SANDVIK
Coromant

2020

# Herramientas rotativas

FRESADO
TALADRADO
MANDRINADO
ADAPTADORES DE HERRAMIENTAS ROTATIVAS





# Presentamos nuestros nuevos catálogos

El catálogo comprende tres volúmenes: Herramientas de torneado, Herramientas rotativas y Herramientas rotativas enterizas. En él presentamos más de 30.000 productos estándar.

**Herramientas de torneado:** torneado general, tronzado y ranurado, torneado de roscas, herramientas multifunción, portaherramientas y adaptadores para herramientas de torneado

**Herramientas rotativas:** fresado, taladrado, mandrinado y adaptadores para herramientas rotativas

**Herramientas rotativas enterizas:** fresado, taladrado, roscado con macho y escariado

Use las páginas de información general de los productos, situadas al principio de cada capítulo, para encontrar su área de interés. Una vez ahí, verá una referencia que le dirigirá a la página del producto que busca. Las referencias situadas al final de cada página de producto le indicarán productos e información relacionada, como portaherramientas, plaquitas y datos de corte.

Nuestra oferta completa, de alrededor de 50.000 productos estándar, está disponible en **www.sandvik.coromant.com/es.** Si, además, sus requisitos son extremadamente específicos, disponemos de una amplia gama de productos que pueden adaptarse a la medida de sus necesidades.

Por favor, visite www.sandvik.coromant.com/es para asegurarse de disponer de las mediciones y tolerancias más actuales; recibir datos de corte detallados; y pedir los productos y piezas de repuesto disponibles.




## Explicación de los símbolos de referencia:

Plaquitas

Fresas

Cuerpos de broca

Herramientas para mandrinar

Adaptadores

Piezas de repuesto

Datos de corte

Descripción de la calidad

Descripción de la geometría

Explicación de los parámetros

Tailor Made

Clave de códigos

Información del refrigerante

Información

| | |
|---|---|
| ★ | Primera elección |
| ☆ | Buena elección |
| | No disponible |

Nuestra recomendación de primera elección es un buen punto de partida para la mayoría de las operaciones. Si lo necesita, a partir de ella puede elegir una calidad con otros atributos.

I Fresado

J Taladrado

K Mandrinado

L Adaptadores de herramientas rotativas

M Piezas de repuesto

N Información general

# Fresado


## Herramientas de planeado I3

CoroMill® 345 I4-I8
CoroMill® 245 I9-I12
CoroMill® 425 I13-I15
CoroMill® 745 I16-I19
CoroMill® 360 I20-I22
CoroMill® 365 I23-I26

## Herramientas de fresado de alto avance I27

CoroMill® 419 I28-I31
CoroMill® 210 I32-I36
CoroMill® 415 I37-I41
CoroMill® 745 I42-I45

## Herramientas de fresado en escuadra I46

CoroMill® 490 I47-I56
CoroMill® 390 I57-I78
CoroMill® 690 I79-I82
CoroMill® Century I83-I89

## Herramientas de fresado de perfiles I90

CoroMill® 300 I91-I99
CoroMill® 200 I100-I104
CoroMill® 216 I105-I111

## Herramientas de fresado de disco I112

CoroMill® 331 I113-I134

## Herramientas de fresado de ranuras I135

CoroMill® QD I136-I141
CoroMill® 328 I142-I144
CoroMill® 327 I145-I147

## Herramientas de fresado de roscas I135

CoroMill® 328 I148
CoroMill® 327 I149-I150

## Herramientas de fresado de chaflanes I135

CoroMill® 327 I150
CoroMill® 495 I151-I153


Para ver la gama completa, consulte www.sandvik.coromant.com/es

# Cómo elegir su herramienta de fresado

## Paso de la fresa

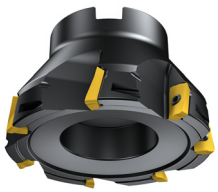
### L



**Paso amplio**

Menor cantidad de plaquitas, fuerzas de corte bajas. Máquinas pequeñas. Mejor productividad cuando la estabilidad y la potencia son limitadas. Voladizo largo.

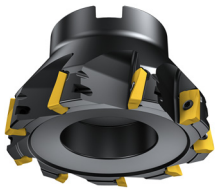
### M



**Paso estrecho**

Fresado universal y producciones mixtas. Siempre la primera elección.

### H

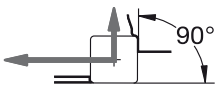


**Paso extra estrecho**

Máximo número de plaquitas para una productividad óptima en condiciones estables. Viruta corta o materiales termorresistentes.

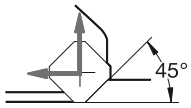
## Ángulo de posición

**Ángulo de posición de 90°**



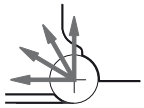

- Componentes de pared delgada.
- Componentes de fijación débil.
- Donde se requiere una forma de 90°.

**Ángulo de posición de 45°**




- Primera elección para uso general.
- Reduce las vibraciones en voladizos largos.
- Efecto de adelgazamiento de la viruta incrementado que ofrece una mayor productividad.

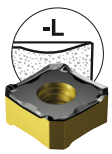
**Fresas de plaquita redonda**



- Filo de corte robusto con múltiples posiciones.
- Fresa de uso general.
- Efecto de adelgazamiento de la viruta incrementado en aleaciones termorresistentes.

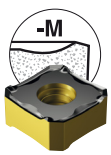
## Geometrías de plaquita

**Ligero**



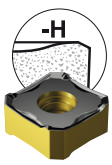

Extra positiva, mecanizado ligero, fuerzas de corte bajas y velocidades de avance reducidas.

**Medio**




Para uso general en la mayoría de los materiales.

**Pesado**




Filo reforzado, mecanizado pesado, máxima seguridad del filo y velocidades de avance elevadas.

## Explicación de los símbolos de las aplicaciones


Planeado


Paredes finas


Recanteado


Perfilado

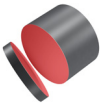

Interpolación helicoidal


Voladizo largo


Fresado en plunge


Ranurado

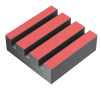

Mecanizado en rampa


Tronzado


Achaflanado


Ranurado

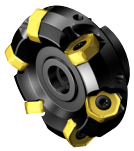
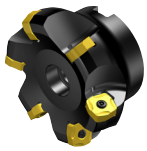
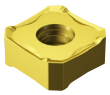
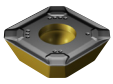
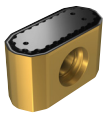
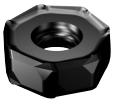
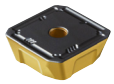
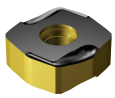

Roscado


Fresado discontinuo


Fresado en escuadra

SPA

# Herramientas de planeado

| | CoroMill® 345 | CoroMill® 245 | CoroMill® 425 | CoroMill® 745 | CoroMill® 360 | CoroMill® 365 |
|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |
| Página | I5 | I10 | I14 | I17 | I21 | I23 |
| Material | P M K N S H | P M K N S H | K | P M K S | P M K | P M K N S H |
| Operación principal |  |  |  |  |  |  |
| KAPR | 45° | 45° | 25° | 42° | 60° | 65° |
| $D_c$ mm | 40 - 250 | 32 - 250 | 100 - 500 | 63 - 250 | 160 - 400 | 50 - 250 |
| DCX mm | 54.1 - 264.1 | 44.5 - 268.8 | 107.0 - 507.0 | 78.2 - 264.4 | 175.0 - 420.8 | 50.0 - 166.7 |
| APMX mm | 6 | 6 - 10 | 0.90 | 5.20 | 13 - 18 | 6.0 |
| Plaquita |  |  |  |  |  |  |
| Tamaños de plaquita | 13 | 12 & 18 | 17 | 21 | 19 & 28 | 15 |
| Acoplamientos | Coromant Capto®<br>Mango cilíndrico<br>En eje | En eje<br>Mango cilíndrico | En eje<br>Montaje Cap | Coromant Capto®<br>En eje | En eje | Coromant Capto®<br>Arbor |
| Refrigerante interior | ✓ | ✗ | ✗ | ✓ | ✓ | ✓ |
| Opciones | Asiento de la punta con placa de apoyo protectora | Asiento de la punta con placa de apoyo protectora | Cartuchos ajustables para plaquitas wiper | | Diseño de cartucho intercambiable | Refrigerante interior en modelos seleccionados |
| Otras operaciones |  |  |  |  |  |  |

# CoroMill® 345

## Fresa de planear para una alta productividad

### Aplicación

- Planeado
- Desbaste y acabado

### Área de aplicación ISO:

P M K N S H



### Ventajas y características

- Bajo coste por pieza gracias a los 8 filos
- Alto rendimiento: con el refrigerante interior puede alcanzarse una gran productividad incluso en materiales exigentes
- Mecanizado seguro gracias a los asientos de punta protegidos por placas de apoyo y el robusto cuerpo de la fresa
- Cuatro pasos distintos para optimizar el aprovechamiento y la productividad de la máquina
- Amplia gama de aplicación: utilice el mismo concepto para múltiples aplicaciones

www.sandvik.coromant.com/coromill345

### Acoplamientos

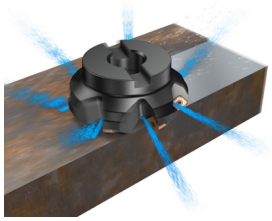
- Coromant Capto®
- En eje
- Mango cilíndrico

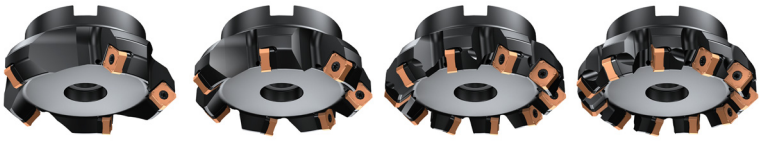
### Plaquitas

- Ocho filos de corte
- Plaquitas Wiper para un acabado superficial excelente a un avance por diente elevado

### Refrigerante interior

El suministro de refrigerante al alojamiento de cada plaquita ofrece una evacuación de la viruta y un rendimiento óptimos en materiales exigentes.






Paso amplio | Paso estrecho | Paso extra estrecho | Paso extra estrecho plus

 I5

 I8



SANDVIK Coromant

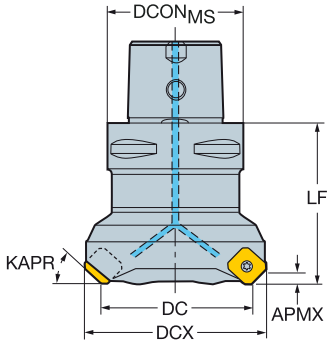
SPA

# Fresa de planear CoroMill® 345

**Coromant Capto® - Suministro de refrigerante interior**

KAPR 45°






| DC | | CZC$_{MS}$ | APMX$_{FFW}$ | CNSC | | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCX | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40.0 | 13 | C4 | 6.00 | 3 | | 4 | 345-040C4-13M | 40.0 | 54.1 | 60.0 | 3.0 | 0.89 | 19600 | 4 | 345R-1305 |
| 50.0 | 13 | C5 | 6.00 | 3 | | 4 | 345-050C5-13M | 50.0 | 64.1 | 60.0 | 3.0 | 1.39 | 17500 | 4 | 345R-1305 |
| | 13 | C6 | 6.00 | 3 | | 4 | 345-050C6-13M | 63.0 | 64.1 | 60.0 | 3.0 | 1.80 | 17500 | 4 | 345R-1305 |
| | 13 | C5 | 6.00 | 3 | 5 | | 345-050C5-13H | 50.0 | 64.1 | 60.0 | 3.0 | 1.48 | 17500 | 5 | 345R-1305 |
| | 13 | C6 | 6.00 | 3 | 5 | | 345-050C6-13H | 63.0 | 64.1 | 60.0 | 3.0 | 1.79 | 17500 | 5 | 345R-1305 |
| 63.0 | 13 | C5 | 6.00 | 3 | | 5 | 345-063C5-13M | 50.0 | 77.1 | 60.0 | 3.0 | 1.53 | 15500 | 5 | 345R-1305 |
| | 13 | C6 | 6.00 | 3 | | 5 | 345-063C6-13M | 63.0 | 77.1 | 60.0 | 3.0 | 1.91 | 15500 | 5 | 345R-1305 |
| | 13 | C5 | 6.00 | 3 | 6 | | 345-063C5-13H | 50.0 | 77.1 | 60.0 | 3.0 | 1.62 | 15500 | 6 | 345R-1305 |
| | 13 | C6 | 6.00 | 3 | 6 | | 345-063C6-13H | 63.0 | 77.1 | 60.0 | 3.0 | 1.97 | 15500 | 6 | 345R-1305 |
| 80.0 | 13 | C6 | 6.00 | 3 | | 6 | 345-080C6-13M | 63.0 | 94.1 | 70.0 | 3.0 | 2.46 | 13700 | 6 | 345R-1305 |
| | 13 | C8 | 6.00 | 3 | | 6 | 345-080C8-13M | 80.0 | 94.1 | 70.0 | 3.0 | 3.32 | 13700 | 6 | 345R-1305 |
| | 13 | C6 | 6.00 | 3 | 8 | | 345-080C6-13H | 63.0 | 94.1 | 70.0 | 3.0 | 2.54 | 13700 | 8 | 345R-1305 |
| 100.0 | 13 | C8 | 6.00 | 3 | | 7 | 345-100C8-13M | 80.0 | 114.1 | 80.0 | 3.0 | 4.01 | 12200 | 7 | 345R-1305 |

| Piezas de repuesto | | |
|---|---|---|
| Tornillo de plaquita | Placa de apoyo | Tornillo de la placa de apoyo |
| 416.1-834 | 5322 474-01 | 5512 090-11 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

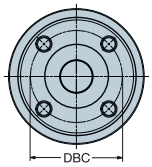
I8 L2 N23 N9 N15

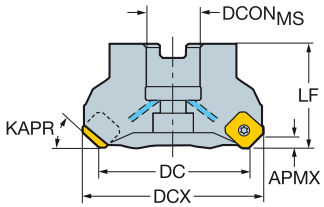
# Fresa de planear CoroMill® 345

**Eje - Suministro de refrigerante interior**

STDNO ISO6462
KAPR 45°






| DC | | CZCMS | APMXFFW | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | ISO | DBC | DCX | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40.0 | 13 | 22 | 6.00 | 1 | | 3 | 345-040Q22-13L | 22.0 | A | | 54.1 | 45.0 | 3.0 | 0.68 | 19600 | 3 | 345R-1305 |
| | 13 | 22 | 6.00 | 1 | | 4 | 345-040Q22-13M | 22.0 | A | | 54.1 | 45.0 | 3.0 | 0.67 | 19600 | 4 | 345R-1305 |
| 50.0 | 13 | 22 | 6.00 | 1 | | 3 | 345-050Q22-13L | 22.0 | A | | 64.1 | 45.0 | 3.0 | 0.82 | 17500 | 3 | 345R-1305 |
| | 13 | 22 | 6.00 | 1 | | 4 | 345-050Q22-13M | 22.0 | A | | 64.1 | 45.0 | 3.0 | 0.78 | 17500 | 4 | 345R-1305 |
| | 13 | 22 | 6.00 | 1 | 5 | | 345-050Q22-13H | 22.0 | A | | 64.1 | 45.0 | 3.0 | 0.82 | 17500 | 5 | 345R-1305 |
| 63.0 | 13 | 22 | 6.00 | 1 | | 4 | 345-063Q22-13L | 22.0 | A | | 77.1 | 45.0 | 3.0 | 0.98 | 15500 | 4 | 345R-1305 |
| | 13 | 22 | 6.00 | 1 | | 5 | 345-063Q22-13M | 22.0 | A | | 77.1 | 45.0 | 3.0 | 0.94 | 15500 | 5 | 345R-1305 |
| | 13 | 22 | 6.00 | 1 | 6 | | 345-063Q22-13H | 22.0 | A | | 77.1 | 45.0 | 3.0 | 0.60 | 15500 | 6 | 345R-1305 |
| | 13 | 22 | 6.00 | 1 | 7 | | 345-063Q22-13HX | 22.0 | A | | 77.1 | 45.0 | 3.0 | 1.03 | 15500 | 7 | 345R-1305 |
| 80.0 | 13 | 27 | 6.00 | 1 | | 4 | 345-080Q27-13L | 27.0 | A | | 94.1 | 50.0 | 3.0 | 1.65 | 13700 | 4 | 345R-1305 |
| | 13 | 27 | 6.00 | 1 | | 6 | 345-080Q27-13M | 27.0 | A | | 94.1 | 50.0 | 3.0 | 1.72 | 13700 | 6 | 345R-1305 |
| | 13 | 27 | 6.00 | 1 | 8 | | 345-080Q27-13H | 27.0 | A | | 94.1 | 50.0 | 3.0 | 1.72 | 13700 | 8 | 345R-1305 |
| | 13 | 27 | 6.00 | 1 | 9 | | 345-080Q27-13HX | 27.0 | A | | 94.1 | 50.0 | 3.0 | 1.76 | 13700 | 9 | 345R-1305 |
| 100.0 | 13 | 32 | 6.00 | 1 | | 5 | 345-100Q32-13L | 32.0 | A | | 114.1 | 50.0 | 3.0 | 2.30 | 12200 | 5 | 345R-1305 |
| | 13 | 32 | 6.00 | 1 | | 7 | 345-100Q32-13M | 32.0 | A | | 114.1 | 50.0 | 3.0 | 2.29 | 12200 | 7 | 345R-1305 |
| | 13 | 32 | 6.00 | 1 | 10 | | 345-100Q32-13H | 32.0 | A | | 114.1 | 50.0 | 3.0 | 2.31 | 12200 | 10 | 345R-1305 |
| | 13 | 32 | 6.00 | 1 | 11 | | 345-100Q32-13HX | 32.0 | A | | 114.1 | 50.0 | 3.0 | 2.38 | 12200 | 11 | 345R-1305 |
| 125.0 | 13 | 40 | 6.00 | 1 | | 6 | 345-125Q40-13L | 40.0 | B | | 139.1 | 63.0 | 3.0 | 3.64 | 10900 | 6 | 345R-1305 |
| | 13 | 40 | 6.00 | 1 | | 8 | 345-125Q40-13M | 40.0 | B | | 139.1 | 63.0 | 3.0 | 3.48 | 10900 | 8 | 345R-1305 |
| | 13 | 40 | 6.00 | 1 | 12 | | 345-125Q40-13H | 40.0 | B | | 139.1 | 63.0 | 3.0 | 3.63 | 10900 | 12 | 345R-1305 |
| | 13 | 40 | 6.00 | 1 | 14 | | 345-125Q40-13HX | 40.0 | B | | 139.1 | 63.0 | 3.0 | 3.64 | 10900 | 14 | 345R-1305 |
| 160.0 | 13 | 40S | 6.00 | 0 | | 7 | 345-160Q40-13L | 40.0 | C | 66.7 | 174.1 | 63.0 | 3.0 | 4.59 | 9600 | 7 | 345R-1305 |
| | 13 | 40S | 6.00 | 0 | | 10 | 345-160Q40-13M | 40.0 | C | 66.7 | 174.1 | 63.0 | 3.0 | 4.50 | 9600 | 10 | 345R-1305 |
| | 13 | 40S | 6.00 | 0 | | 12 | 345-160Q40-13H | 40.0 | C | 66.7 | 174.1 | 63.0 | 3.0 | 4.72 | 9600 | 12 | 345R-1305 |
| | 13 | 40S | 6.00 | 0 | 16 | | 345-160Q40-13HX | 40.0 | C | 66.7 | 174.1 | 63.0 | 3.0 | 4.58 | 9600 | 16 | 345R-1305 |
| 200.0 | 13 | 60 | 6.00 | 0 | | 12 | 345-200Q60-13M | 60.0 | C | 101.6 | 214.1 | 63.0 | 3.0 | 10.60 | 8600 | 12 | 345R-1305 |
| | 13 | 60 | 6.00 | 0 | | 16 | 345-200Q60-13H | 60.0 | C | 101.6 | 214.1 | 63.0 | 3.0 | 6.64 | 8600 | 16 | 345R-1305 |
| 250.0 | 13 | 60 | 6.00 | 0 | | 14 | 345-250Q60-13M | 60.0 | C | 101.6 | 264.1 | 63.0 | 3.0 | 10.36 | 7700 | 14 | 345R-1305 |
| | 13 | 60 | 6.00 | 0 | | 18 | 345-250Q60-13H | 60.0 | C | 101.6 | 264.1 | 63.0 | 3.0 | 10.79 | 7700 | 18 | 345R-1305 |

| | Piezas de repuesto | | | |
|---|---|---|---|---|
| DC | Tornillo de chorro | Tornillo de plaquita | Placa de apoyo | Tornillo de la placa de apoyo |
| 40.00-63.00 | 5512-073-01 | 416.1-834 | 5322 474-01 | 5512 090-11 |
| 80.00 | 5512-073-02 | 416.1-834 | 5322 474-01 | 5512 090-11 |
| 100.00 | 5512-073-05 | 416.1-834 | 5322 474-01 | 5512 090-11 |
| 125.00-160.00 | 5512-098-03 | 416.1-834 | 5322 474-01 | 5512 090-11 |
| 250.00 | | 416.1-834 | 5322 474-01 | 5512 090-11 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es


I8


L2


M1



N23



N9



N15

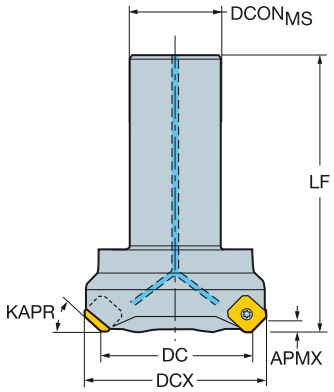
SPA

# Fresa de planear CoroMill® 345

**Mango cilíndrico - Suministro de refrigerante interior**

KAPR 45°






| DC | | CZCMS | APMXFFW | CNSC | | Código de pedido | Dimensiones, mm DCONMS | DCX | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40.0 | 13 | 32 | 6.00 | 1 | 4 | **345-040A32-13M** | 32.0 | 54.1 | 120.0 | 3.0 | 1.26 | 19600 | 4 | 345R-1305 |
| 50.0 | 13 | 32 | 6.00 | 1 | 3 | **345-050A32-13L** | 32.0 | 64.1 | 120.0 | 3.0 | 1.41 | 17500 | 3 | 345R-1305 |
| | 13 | 32 | 6.00 | 1 | 4 | **345-050A32-13M** | 32.0 | 54.1 | 120.0 | 3.0 | 1.41 | 17500 | 4 | 345R-1305 |

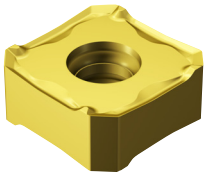
| Piezas de repuesto | | |
|---|---|---|
| Tornillo de plaquita | Placa de apoyo | Tornillo de la placa de apoyo |
| 416.1-834 | 5322 474-01 | 5512 090-11 |

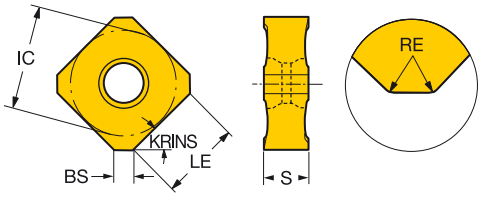
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I8 L2 N23 N9 N15

# Plaquita CoroMill® 345 para fresado

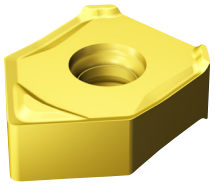
KRINS 45°

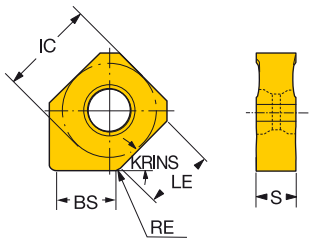





| | | | RE | Código de pedido | P 1130 | P 4220 | P 4330 | P 4340 | P 530 | M 1040 | M 2040 | M 530 | K 1020 | K 3040 | K 3220 | K 3330 | K H13A | K K20W | N 1130 | N 530 | N H13A | S S30T | S S40T | S H13A | H 1010 | H 1130 | H 530 | Dimensiones, mm IC | LE | S | BS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ligero | KL | 13 | 0.80 | 345R-1305E-KL | | | | | | | | | ★ | ☆ | ☆ | ☆ | ☆ | ☆ | | | ☆ | | | ☆ | | | | 13.0 | 8.8 | 5.60 | 2.0 |
| | | | 0.80 | 345R-1305M-KL | | ☆ | | | | | | | ★ | ☆ | | ☆ | | ☆ | | | | | | | | | | 13.0 | 8.8 | 5.60 | 2.0 |
| | ML | 13 | 0.80 | 345R-13T5E-ML | ☆ | | | | | ★ | ☆ | | | | | | | | ☆ | | | ★ | ☆ | | | ☆ | | 13.0 | 8.8 | 5.95 | 2.0 |
| | PL | 13 | 0.80 | 345R-1305E-PL | ☆ | | ★ | ☆ | ☆ | | | ☆ | | | | | | | | | | | | | ★ | ☆ | ☆ | 13.0 | 8.8 | 5.60 | 2.0 |
| | | | 0.80 | 345R-1305M-PL | ☆ | ☆ | ★ | ☆ | | | | | | | | | | | | | | | | | ★ | ☆ | | 13.0 | 8.8 | 5.60 | 2.0 |
| Medio | KM | 13 | 0.80 | 345R-1305E-KM | | | | | ☆ | | | ☆ | ☆ | ☆ | | ★ | | | | ☆ | | | | | ★ | | ☆ | 13.0 | 8.8 | 5.60 | 2.0 |
| | | | 0.80 | 345R-1305M-KM | | | | | | | | | | ☆ | ☆ | ★ | | ☆ | | | | | | | | | | 13.0 | 8.8 | 5.60 | 2.0 |
| | MM | 13 | 0.80 | 345R-13T5E-MM | ☆ | | | | | ★ | ☆ | | | | | | | | ☆ | | | ★ | ☆ | | | ☆ | | 13.0 | 8.8 | 5.95 | 2.0 |
| | | | 0.80 | 345R-13T5M-MM | ☆ | | | | | ★ | ☆ | | | | | | | | ☆ | | | ★ | ☆ | | | ☆ | | 13.0 | 8.8 | 5.95 | 2.0 |
| | PM | 13 | 0.80 | 345L-1305M-PM | ☆ | | ★ | ☆ | | | | | | | | | | | | | | | | | | ☆ | | 13.0 | 8.8 | 5.60 | 2.0 |
| | | | 0.80 | 345R-1305M-PM | ☆ | ☆ | ★ | ☆ | ☆ | | | ☆ | | | | | | | | | | | | | ★ | ☆ | ☆ | 13.0 | 8.8 | 5.60 | 2.0 |
| Pesado | KH | 13 | 0.80 | 345R-1305M-KH | | | ☆ | | | | | | | ☆ | ☆ | ★ | | ☆ | | | | | | | | | | 13.0 | 8.8 | 5.60 | 2.0 |
| | PH | 13 | 0.80 | 345R-1305M-PH | ☆ | ☆ | ★ | ☆ | | | | | | ★ | | | | | ☆ | | | | | | ★ | ☆ | | 13.0 | 8.8 | 5.60 | 2.0 |

KRINS 45°






TECHNOLOGY Wiper

| | | | RE | Código de pedido | P 1130 | P 4330 | P 530 | M 1040 | M 2040 | M 530 | K 1020 | K 3220 | K 3330 | K H13A | K K20W | N 1130 | N 530 | N H13A | S H13A | S S30T | S S40T | H 1010 | H 1130 | H 530 | Dimensiones, mm IC | LE | S | BS | BSR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ligero | KW8 | 13 | 1.00 | 345N-1305E-KW8 | | | | | | | ☆ | ☆ | ☆ | ☆ | ☆ | | | ☆ | ☆ | | | | | | 13.0 | 8.8 | 5.60 | 8.0 | 500.0 |
| | MW8 | 13 | 1.00 | 345N-13T5E-MW8 | ☆ | | | ☆ | ☆ | | | | | | | ☆ | | | | ☆ | ☆ | | ☆ | | 13.0 | 8.8 | 5.95 | 8.0 | 500.0 |
| | PW5 | 13 | 1.00 | 345N-1305E-PW5 | ☆ | ☆ | | | | | | | | | | ☆ | | | | | | ☆ | ☆ | | 13.0 | 8.8 | 5.60 | 5.0 | 500.0 |
| | PW8 | 13 | 1.00 | 345N-1305E-PW8 | ☆ | ☆ | ☆ | | | ☆ | | | | | | ☆ | ☆ | | | | | ☆ | ☆ | ☆ | 13.0 | 8.8 | 5.60 | 8.0 | 500.0 |

La plaquita wiper T5 debe utilizarse con la plaquita estándar T5

I5 I154 I175 N23 N10 N2



SANDVIK Coromant

# CoroMill® 245

## Fresa de planear de corte ligero para desbaste pesado y acabado de espejo

### Aplicación

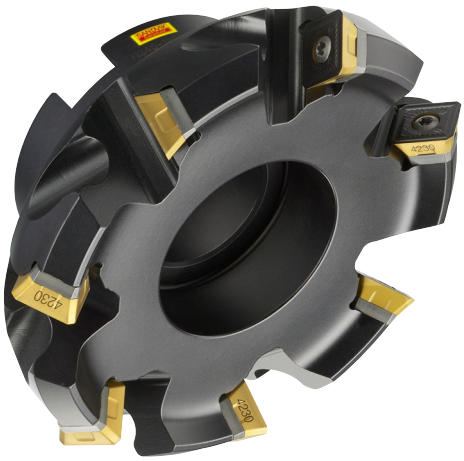
- Planeado
- Desbaste y acabado

### Área de aplicación ISO

P M K N S H

### Ventajas y características

- Uso sencillo y alta productividad
- Corte ligero con consumo de potencia reducido
- Tolerancia estrecha combinada con la plaquita wiper para un excelente acabado superficial
- Fresa de planear de 45°
- Desde desbaste exigente hasta acabado de espejo
- Acción de corte ligera y suave para unas bajas fuerzas de corte
- Disponible en sistema de cartucho intercambiable; un concepto para desbaste y semiacabado de acero



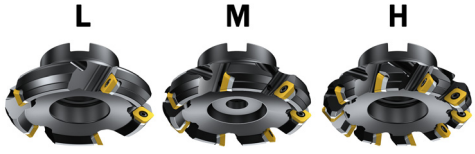
www.sandvik.coromant.com/coromill245

### Acoplamientos

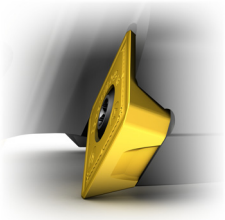
- En eje
- Mango cilíndrico

### Plaquitas

- Cuatro filos de corte
- Amplia gama de calidades y geometrías, incluidas calidades de CBN y cerámicas
- Plaquitas wiper para acabado de alto avance

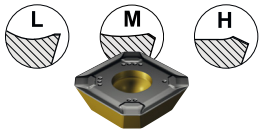



Paso amplio | Paso estrecho | Paso extra estrecho



### Acción de corte ligera

Plaquitas positivas de una cara colocadas para ofrecer una acción de corte suave y unas fuerzas de corte muy bajas.



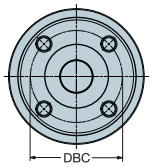

I10 I12 N6

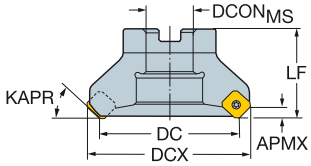
# Fresa de planeado CoroMill® 245

**En eje**

STDNO ISO6462
KAPR 45°






| DC | | CZCMS | APMXFFW | | | Código de pedido | Dimensiones, mm DCONMS | ISO | DBC | DCX | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50.0 | 12 | 22 | 6.00 | | 3 | R245-050Q22-12L | 22.0 | A | | 62.5 | 40.0 | 3.0 | 0.65 | 16250 | 3 | R245-12T3.. |
| | 12 | 22 | 6.00 | 4 | | R245-050Q22-12M | 22.0 | A | | 62.5 | 40.0 | 3.0 | 0.67 | 16250 | 4 | R245-12T3.. |
| | 12 | 22 | 6.00 | 5 | | R245-050Q22-12H | 22.0 | A | | 62.5 | 40.0 | 3.0 | 0.62 | 16250 | 5 | R245-12T3.. |
| 63.0 | 12 | 22 | 6.00 | | 4 | R245-063Q22-12L | 22.0 | A | | 75.5 | 40.0 | 3.0 | 0.89 | 14400 | 4 | R245-12T3.. |
| | 12 | 22 | 6.00 | 5 | | R245-063Q22-12M | 22.0 | A | | 75.5 | 40.0 | 3.0 | 0.84 | 14400 | 5 | R245-12T3.. |
| | 12 | 22 | 6.00 | 6 | | R245-063Q22-12H | 22.0 | A | | 75.5 | 40.0 | 3.0 | 0.87 | 14400 | 6 | R245-12T3.. |
| 80.0 | 12 | 27 | 6.00 | | 4 | R245-080Q27-12L | 27.0 | B | | 92.5 | 50.0 | 3.0 | 1.50 | 12700 | 4 | R245-12T3.. |
| | 12 | 27 | 6.00 | 6 | | R245-080Q27-12M | 27.0 | B | | 92.5 | 50.0 | 3.0 | 1.45 | 12700 | 6 | R245-12T3.. |
| | 12 | 27 | 6.00 | 8 | | R245-080Q27-12H | 27.0 | B | | 92.5 | 50.0 | 3.0 | 1.40 | 12700 | 8 | R245-12T3.. |
| | 18 | 32 | 10.00 | | 4 | R245-080Q32-18M | 32.0 | B | | 98.8 | 50.0 | 5.0 | 1.72 | 6100 | 4 | R245-18T6.. |
| | 18 | 32 | 10.00 | | 5 | R245-080Q32-18H | 32.0 | B | | 98.8 | 50.0 | 5.0 | 1.60 | 6100 | 5 | R245-18T6.. |
| 100.0 | 12 | 32 | 6.00 | | 5 | R245-100Q32-12L | 32.0 | B | | 112.5 | 50.0 | 3.0 | 1.77 | 11300 | 5 | R245-12T3.. |
| | 12 | 32 | 6.00 | 7 | | R245-100Q32-12M | 32.0 | B | | 112.5 | 50.0 | 3.0 | 1.81 | 11300 | 7 | R245-12T3.. |
| | 12 | 32 | 6.00 | 10 | | R245-100Q32-12H | 32.0 | B | | 112.5 | 50.0 | 3.0 | 1.74 | 11300 | 10 | R245-12T3.. |
| | 18 | 32 | 10.00 | | 4 | R245-100Q32-18M | 32.0 | B | | 118.8 | 50.0 | 5.0 | 2.08 | 5400 | 4 | R245-18T6.. |
| | 18 | 32 | 10.00 | | 6 | R245-100Q32-18H | 32.0 | B | | 118.8 | 50.0 | 5.0 | 1.92 | 5400 | 6 | R245-18T6.. |
| 125.0 | 12 | 40 | 6.00 | | 6 | R245-125Q40-12L | 40.0 | B | | 137.5 | 63.0 | 3.0 | 3.20 | 10100 | 6 | R245-12T3.. |
| | 12 | 40 | 6.00 | 8 | | R245-125Q40-12M | 40.0 | B | | 137.5 | 63.0 | 3.0 | 3.12 | 10100 | 8 | R245-12T3.. |
| | 12 | 40 | 6.00 | 12 | | R245-125Q40-12H | 40.0 | B | | 137.5 | 63.0 | 3.0 | 3.10 | 10100 | 12 | R245-12T3.. |
| | 18 | 40 | 10.00 | | 5 | R245-125Q40-18M | 40.0 | B | | 138.8 | 63.0 | 5.0 | 3.74 | 4900 | 5 | R245-18T6.. |
| | 18 | 40 | 10.00 | | 7 | R245-125Q40-18H | 40.0 | B | | 138.8 | 63.0 | 5.0 | 3.64 | 4900 | 7 | R245-18T6.. |
| 160.0 | 12 | 40S | 6.00 | | 7 | R245-160Q40-12L | 40.0 | C | 66.7 | 172.5 | 63.0 | 3.0 | 4.63 | 8900 | 7 | R245-12T3.. |
| | 12 | 40S | 6.00 | 10 | | R245-160Q40-12M | 40.0 | C | 66.7 | 172.5 | 63.0 | 3.0 | 4.50 | 8900 | 10 | R245-12T3.. |
| | 12 | 40S | 6.00 | 16 | | R245-160Q40-12H | 40.0 | C | 66.7 | 172.5 | 63.0 | 3.0 | 4.49 | 8900 | 16 | R245-12T3.. |
| | 18 | 40S | 10.00 | | 6 | R245-160Q40-18M | 40.0 | C | 66.7 | 178.8 | 63.0 | 5.0 | 5.11 | 4300 | 6 | R245-18T6.. |
| | 18 | 40S | 10.00 | | 9 | R245-160Q40-18H | 40.0 | C | 66.7 | 178.8 | 63.0 | 5.0 | 4.99 | 4300 | 9 | R245-18T6.. |
| 200.0 | 12 | 60 | 6.00 | | 8 | R245-200Q60-12L | 60.0 | C | 101.6 | 212.5 | 63.0 | 3.0 | 6.43 | 7950 | 8 | R245-12T3.. |
| | 12 | 60 | 6.00 | 12 | | R245-200Q60-12M | 60.0 | C | 101.6 | 212.5 | 63.0 | 3.0 | 10.64 | 7950 | 12 | R245-12T3.. |
| | 18 | 60 | 10.00 | | 8 | R245-200Q60-18M | 60.0 | C | 101.6 | 218.8 | 63.0 | 5.0 | 6.24 | 3800 | 8 | R245-18T6.. |
| | 18 | 60 | 10.00 | | 12 | R245-200Q60-18H | 60.0 | C | 101.6 | 218.8 | 63.0 | 5.0 | 6.43 | 3800 | 12 | R245-18T6.. |
| 250.0 | 12 | 60 | 6.00 | | 10 | R245-250Q60-12L | 60.0 | C | 101.6 | 262.5 | 63.0 | 3.0 | 9.12 | 7100 | 10 | R245-12T3.. |
| | 12 | 60 | 6.00 | 14 | | R245-250Q60-12M | 60.0 | C | 101.6 | 262.5 | 63.0 | 3.0 | 8.93 | 7100 | 14 | R245-12T3.. |
| | 12 | 60 | 6.00 | 24 | | R245-250Q60-12H | 60.0 | C | 101.6 | 262.5 | 63.0 | 3.0 | 8.74 | 7100 | 24 | R245-12T3.. |
| | 18 | 60 | 10.00 | | 10 | R245-250Q60-18M | 60.0 | C | 101.6 | 268.8 | 63.0 | 5.0 | 17.22 | 3400 | 10 | R245-18T6.. |
| | 18 | 60 | 10.00 | | 14 | R245-250Q60-18H | 60.0 | C | 101.6 | 268.8 | 63.0 | 5.0 | 16.00 | 3400 | 14 | R245-18T6.. |

| | | Piezas de repuesto | | |
|---|---|---|---|---|
| DC | | Tornillo de plaquita | Placa de apoyo | Tornillo de la placa de apoyo |
| 50.00-250.00 | 12 | 5513 020-01 | 5322 472-01 | 5512 090-09 |
| 80.00-100.00 | 18 | 5513 020-55 | | |
| 125.00-250.00 | 18 | 5513 020-26 | 5322 472-03 | 5512 090-10 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I12 L2 M1 N23 N6 N9



SANDVIK Coromant

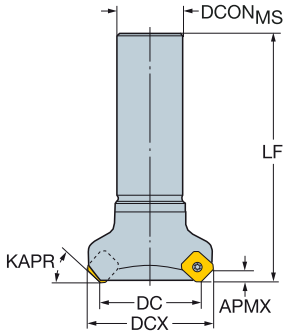
SPA

# Fresa de planeado CoroMill® 245

**Mango cilíndrico**



KAPR 45°




| DC | | CZCMS | APMXFFW | | | Código de pedido | Dimensiones, mm DCONMS | DCX | LB | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32.0 | 12 | 32 | 6.00 | 3 | | **R245-032A32-12M** | 32.0 | 44.5 | 39.0 | 117.0 | 3.0 | 0.97 | 18250 | 3 | R245-12T3.. |
| 40.0 | 12 | 32 | 6.00 | | 3 | **R245-040A32-12L** | 32.0 | 52.5 | 39.0 | 120.0 | 3.0 | 1.06 | 18250 | 3 | R245-12T3.. |
| 50.0 | 12 | 32 | 6.00 | | 3 | **R245-050A32-12L** | 32.0 | 62.5 | 39.0 | 120.0 | 3.0 | 1.28 | 16250 | 3 | R245-12T3.. |
| | 12 | 32 | 6.00 | 4 | | **R245-050A32-12M** | 32.0 | 62.5 | 39.0 | 120.0 | 3.0 | 1.33 | 16250 | 4 | R245-12T3.. |
| 63.0 | 12 | 32 | 6.00 | | 4 | **R245-063A32-12L** | 32.0 | 75.5 | 39.0 | 120.0 | 3.0 | 1.48 | 14400 | 4 | R245-12T3.. |
| | 12 | 32 | 6.00 | 5 | | **R245-063A32-12M** | 32.0 | 75.5 | 39.0 | 120.0 | 3.0 | 1.49 | 14400 | 5 | R245-12T3.. |
| 80.0 | 12 | 32 | 6.00 | | 4 | **R245-080A32-12L** | 32.0 | 92.5 | 39.0 | 120.0 | 3.0 | 1.80 | 12700 | 4 | R245-12T3.. |
| | 12 | 32 | 6.00 | 6 | | **R245-080A32-12M** | 32.0 | 92.5 | 39.0 | 120.0 | 3.0 | 1.74 | 12700 | 6 | R245-12T3.. |

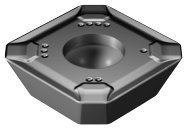
| | | Piezas de repuesto | | |
|---|---|---|---|---|
| DC | | Tornillo de plaquita | Placa de apoyo | Tornillo de la placa de apoyo |
| 32.00 | 12 | 5513 020-01 | | |
| 40.00-80.00 | 12 | 5513 020-01 | 5322 472-01 | 5512 090-09 |

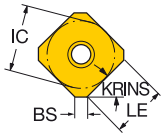
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

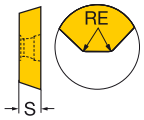
I12 L2 N23 N6 N9

# Plaquita CoroMill® 245 para fresado

KRINS 45°

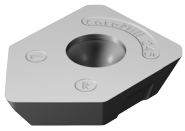


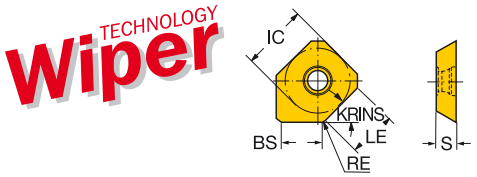



| | | | RE | Código de pedido | P | | | | | M | | | K | | | | | | N | | | | S | | | | H | | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1130 | 4220 | 4230 | 4340 | 530 | 1040 | 2040 | 530 | 1020 | 3040 | 3220 | 3330 | H13A | K15W | K20W | 1130 | 530 | H10 | H13A | 1130 | H13A | S30T | S40T | 1010 | 1130 | 530 | IC | LE | S | BS |
| Ligero | AL | 12 | 1.50 | R245-12 T3 E-AL | | | | | | | | | | | | | | | | | | ★ | | | | | | | | | 13.4 | 10.0 | 3.97 | 2.3 |
| | KL | 12 | 1.50 | R245-12 T3 E-KL | | | | | | | | | ★ | | ☆ | ☆ | ☆ | ☆ | | | | | ★ | | ☆ | | | | | | 13.4 | 10.0 | 3.97 | 2.1 |
| | | | 1.50 | R245-12 T3 M-KL | | | | | | | | | ★ | ☆ | ☆ | ☆ | | | ☆ | | | | | | | | | | | | 13.4 | 10.0 | 3.97 | 2.0 |
| | ML | 12 | 1.50 | R245-12 T3 E-ML | ☆ | | | | | ★ | | | | | | | | | | ☆ | | | | ★ | | | | | ☆ | | 13.4 | 10.0 | 3.97 | 2.1 |
| | PL | 12 | 1.50 | R245-12 T3 E-PL | ☆ | | ★ | | ☆ | | | ☆ | | | | | | | | ☆ | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | ☆ | 13.4 | 10.0 | 3.97 | 2.1 |
| | | | 1.50 | R245-12 T3 M-PL | ☆ | ☆ | ★ | ☆ | | | | | | | | | | | | ☆ | | | | ☆ | | ★ | ☆ | ★ | ☆ | | 13.4 | 10.0 | 3.97 | 2.1 |
| Medio | KM | 12 | 1.50 | R245-12 T3 M-KM | | | | | | | | | ☆ | ☆ | ☆ | ★ | ☆ | | ☆ | | | | ★ | | ☆ | | | | | | 13.4 | 10.0 | 3.97 | 2.0 |
| | | 18 | 1.00 | R245-18 T6 M-KM | | | | | | | | | ☆ | ☆ | ☆ | ★ | | | ☆ | | | | | | | | | | | | 18.0 | 13.9 | 6.10 | 1.5 |
| | MM | 12 | 1.50 | R245-12 T3 K-MM | | | | | | ★ | | | | | | | | | ☆ | | | | | | | ★ | ☆ | | | | 13.4 | 10.0 | 3.97 | 2.1 |
| | | 18 | 1.00 | R245-18 T6 M-MM | | | | | | | ★ | | | | | | | | | | | | | | | | | | | | 18.0 | 13.9 | 6.10 | 1.5 |
| | PM | 12 | 1.50 | R245-12 T3 M-PM | ☆ | ☆ | ★ | ☆ | ☆ | | | ☆ | | | | | | | | ☆ | ☆ | | | ☆ | | | | ★ | ☆ | ☆ | 13.4 | 10.0 | 3.97 | 2.1 |
| | | 18 | 1.00 | R245-18 T6 M-PM | ☆ | ☆ | ★ | ☆ | | | | | | | | | | | | ☆ | | | | ☆ | | | | ★ | ☆ | | 18.0 | 13.9 | 6.10 | 1.5 |
| Pesado | KH | 12 | 1.50 | R245-12 T3 M-KH | | | | | | | | | ☆ | ☆ | ☆ | ★ | | | ☆ | | | | | | | | | | | | 13.4 | 10.0 | 3.97 | 2.0 |
| | PH | 12 | 1.60 | R245-12 T3 M-PH | | ☆ | ★ | ☆ | | | | | | | | | | | | | | | | | | | | | | | 13.4 | 9.8 | 3.97 | 1.5 |

KRINS 45°

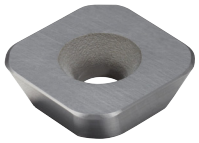


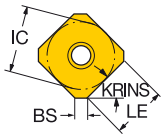


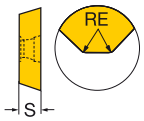

| | | | RE | Código de pedido | P | M | K | | | | | | N | | | | S | | | H | | | Dimensiones, mm | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1130 | 530 | 1020 | 3220 | 3330 | CB50 | H13A | K15W | H10 | 1130 | 530 | H13A | 1130 | H13A | 1010 | 1130 | 530 | CB50 | IC | LE | S | BS | BSR |
| Ligero | W | 12 | 2.50 | R245-12 T3 E-W | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 13.4 | 3.5 | 3.97 | 6.4 | 400.0 |
| | | 18 | 1.00 | R245-18 T6 E-W | ☆ | | ☆ | | | | | | | ☆ | | | ☆ | | | ☆ | | | 18.0 | 13.9 | 6.10 | 10.8 | 500.0 |

## Materiales de corte avanzados

KRINS 45°






| | | RE | Código de pedido | K | | N | H | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 6190 | CB50 | CD10 | 6190 | CB50 | IC | LE | S | BS |
| Ligero | | 12 | 1.50 | R245-12 T3 E | | ☆ | ★ | | ☆ | 13.4 | 3.5 | 3.97 | 1.4 |
| | | | 2.50 | R245-12 T3 E1 | ☆ | | | ☆ | | 13.4 | 10.0 | 3.97 | 0.4 |

I10 I154 I175 N23 N10 N2



SANDVIK Coromant

# CoroMill® 425

## Planeado de acabado fácilmente ajustable

### Aplicación

- Planeado de acabado en fundición
- Piezas principales: bloques de cilindros y culatas
- Otras piezas: carcasas de eje, porta-frenos, cárteres de motor



### Área de aplicación ISO:

K

### Ventajas y características

- Facilidad de uso
- Ocho filos de corte
- Sistema de ajuste preciso y fiable

www.sandvik.coromant.com/coromill425

### Acoplamientos

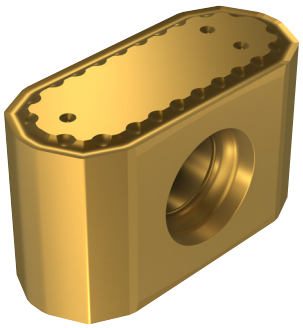
- En eje
- Montaje tipo Cap

### Plaquitas

- Ocho filos de corte

### Plaquitas wiper ajustables

CoroMill® 425 está diseñada para ofrecer un ajuste sencillo de las plaquitas wiper, lo cual permite ajustar la plaquita Wiper hacia arriba y hacia abajo sin necesidad de aflojar el tornillo del cartucho de sujeción.
Gracias al diseño, el sistema de ajuste es muy estable y preciso.



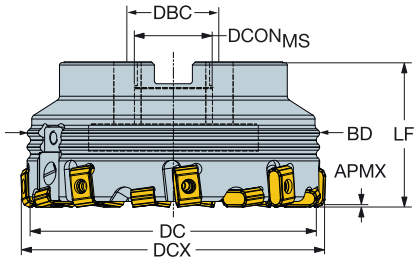
I14 I15

# Fresa de planear CoroMill® 425

## En eje

STDNO ISO6462
KAPR 25°



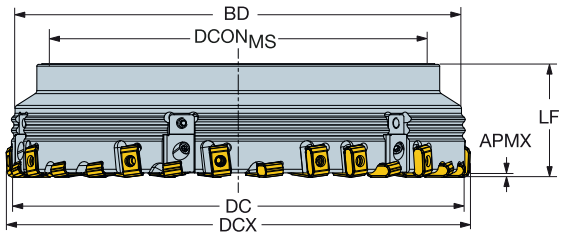



| DC | | CZCMS | APMX | ZADJ | | Código de pedido | Dimensiones, mm DCONMS | ISO | DBC | DCX | BD | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100.0 | 17 | 32 | 0.9 | 2 | 12 | 425-100Q32-17H | 32.0 | A | | 107.0 | 101.9 | 63.0 | 3.0 | 2.23 | 4770 | 12 | 425N-1707 |
| 125.0 | 17 | 40 | 0.9 | 2 | 16 | 425-125Q40-17H | 40.0 | B | | 132.0 | 126.6 | 63.0 | 3.0 | 3.45 | 3820 | 16 | 425N-1707 |
| 160.0 | 17 | 40S | 0.9 | 3 | 18 | 425-160Q40-17H | 40.0 | C | 66.7 | 167.0 | 161.3 | 63.0 | 3.0 | 5.10 | 2980 | 18 | 425N-1707 |
| 200.0 | 17 | 60 | 0.9 | 3 | 24 | 425-200Q60-17H | 60.0 | C | 101.6 | 207.0 | 201.1 | 63.0 | 3.0 | 7.69 | 2390 | 24 | 425N-1707 |
| 250.0 | 17 | 60 | 0.9 | 6 | 30 | 425-250Q60-17H | 60.0 | C | 101.6 | 257.0 | 251.1 | 63.0 | 3.0 | 12.99 | 1910 | 30 | 425N-1707 |

## Montaje Cap

KAPR 25°






| DC | | CZCMS | APMX | ZADJ | | Código de pedido | Dimensiones, mm DCONMS | DCX | BD | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 250.0 | 17 | 250 | 0.9 | 6 | 30 | 425-250P-17H | 203.7 | 257.0 | 251.1 | 63.0 | 3.0 | 9.62 | 1910 | 30 | 425N-1707 |
| | 17 | 250 | 0.9 | 6 | 30 | L425-250P-17H | 203.7 | 257.0 | 251.1 | 63.0 | 3.0 | 9.62 | 1910 | 30 | 425N-1707 |
| 315.0 | 17 | 315 | 0.9 | 6 | 36 | 425-315P-17H | 268.7 | 322.0 | 316.1 | 63.0 | 3.0 | 13.60 | 1520 | 36 | 425N-1707 |
| | 17 | 315 | 0.9 | 6 | 36 | L425-315P-17H | 268.7 | 322.0 | 316.1 | 63.0 | 3.0 | 13.60 | 1520 | 36 | 425N-1707 |
| 355.0 | 17 | 355 | 0.9 | 6 | 48 | 425-355P-17H | 308.7 | 362.0 | 356.1 | 63.0 | 3.0 | 16.45 | 1340 | 48 | 425N-1707 |
| | 17 | 355 | 0.9 | 6 | 48 | L425-355P-17H | 308.7 | 362.0 | 356.1 | 63.0 | 3.0 | 16.45 | 1340 | 48 | 425N-1707 |
| 400.0 | 17 | 400 | 0.9 | 9 | 54 | 425-400P-17H | 353.7 | 407.0 | 401.1 | 63.0 | 3.0 | 20.09 | 1190 | 54 | 425N-1707 |
| | 17 | 400 | 0.9 | 9 | 54 | L425-400P-17H | 353.7 | 407.0 | 401.1 | 63.0 | 3.0 | 20.09 | 1190 | 54 | 425N-1707 |
| 500.0 | 17 | 500 | 0.9 | 9 | 54 | 425-500P-17M | 453.7 | 507.0 | 501.1 | 63.0 | 3.0 | 30.92 | 950 | 54 | 425N-1707 |
| | 17 | 500 | 0.9 | 9 | 54 | L425-500P-17M | 453.7 | 507.0 | 501.1 | 63.0 | 3.0 | 42.00 | 950 | 54 | 425N-1707 |

Piezas de repuesto

| Tornillo de sujeción | Cuña | Tornillo | Tornillo | Tornillo de plaquita | Cartucho |
|---|---|---|---|---|---|
| 3212 012-260 | 5332 010-09 | 5516 035-09 | 5513 014-75 | 5513 020-13 | R425-CA-17-2 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

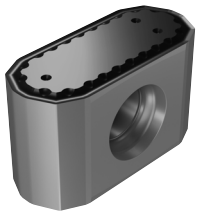
I41 L2 M1 N23 N9



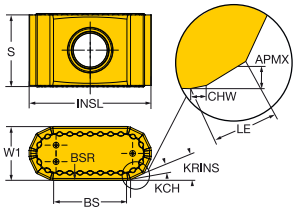
SANDVIK Coromant

SPA

# Plaquita CoroMill® 425 para fresado



KRINS 25°




| | | | KCH | CHW | Código de pedido | K 1010 | K 1020 | K 3220 | K 3330 | K K20W | Dimensiones, mm W1 | LE | S | BS | BSR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ligero | KLW | 17 | 14° | 0.4 | 425N-1707E-KLW12 | ★ | ☆ | ☆ | ☆ | ☆ | 7.5 | 2.1 | 10.00 | 10.4 | 1250.0 |

I14 I154 I175 N23 N10

# CoroMill® 745

## Conceptos de fresado de alto avance y planeado multifilo

### Aplicación

- Planeado
- Desbaste y semiacabado
- Fresado de alto avance

### Área de aplicación ISO:

P M K S

### Ventajas y características

- Concepto multifilo indicado para producciones de lotes grandes, líneas de transmisión flexibles y cuando el aprovechamiento de la máquina es importante
- CoroMill 745 con ángulo de posición de 42° se usa en aplicaciones ISO P, K, M y S donde la APMX es 5.2 mm
- La fresa de alto avance CoroMill 745 con ángulo de posición de 25° se usa como impulsor de la productividad en aplicaciones ISO P e ISO K donde la APMX es 2.8 mm
- Resuelve los problemas habituales al mecanizar componentes con tendencia a la vibración y en reglajes débiles con el exclusivo paso diferencial MD



**Fresa de planear CoroMill® 745** Consulte la página I17
**Fresa de planeado de alto avance CoroMill® 745** Consulte la página I43

www.sandvik.coromant.com/coromill745

### Acoplamientos

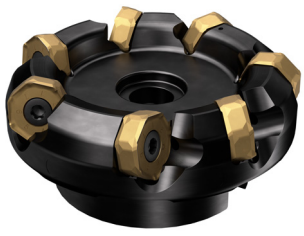
- Coromant Capto®
- En eje

### Plaquitas

- 14 filos
- El seguro asiento de la punta y la plaquita grande y robusta, con geometrías de corte ligero resistentes, están diseñados para ofrecer un mecanizado fiable y predecible.

### Una tecnología revolucionaria

Disponible con ángulo de posición de 42° para mayores profundidades de corte y como versión de alto avance con ángulo de posición de 25° para un régimen de arranque de viruta incluso mayor. Las mismas plaquitas pueden usarse en ambas fresas.





### Paso diferencial MD

El exclusivo paso diferencial MD es la primera elección en operaciones de desbaste que requieren una acción de corte ligera como, por ejemplo, los reglajes débiles con tendencia a la vibración. Es perfecto para resolver los problemas de vibración que limitan la producción. La longitud y el peso del cuerpo de la fresa han sido reducidos para impulsar el rendimiento en aplicaciones de baja productividad. La fresa tiene un diseño de paso diferencial algorítmico y el posicionamiento de la plaquita se compensa radialmente para producir una carga de viruta homogénea en cada plaquita.

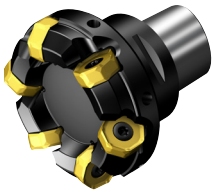
I17 I19

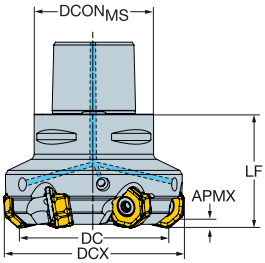
SPA

# Fresa de planear CoroMill® 745

**Coromant Capto® - Suministro de refrigerante interior**

KAPR 42°






| DC | | CZC$_{MS}$ | APMX$_{FFW}$ | CNSC | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCX | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 63.0 | 21 | C5 | 5.20 | 3 | 5 | **745-063C5-21M** | 50.0 | 78.2 | 60.0 | 12.0 | 1.30 | 5894 | 5 | 745R-2109 |
| | 21 | C6 | 5.20 | 3 | 5 | **745-063C6-21M** | 63.0 | 78.2 | 60.0 | 12.0 | 1.84 | 5894 | 5 | 745R-2109 |
| | 21 | C5 | 5.20 | 3 | 7 | **745-063C5-21H** | 50.0 | 78.2 | 60.0 | 12.0 | 1.34 | 5894 | 7 | 745R-2109 |
| | 21 | C6 | 5.20 | 3 | 7 | **745-063C6-21H** | 63.0 | 78.2 | 60.0 | 12.0 | 1.66 | 5894 | 7 | 745R-2109 |
| 80.0 | 21 | C6 | 5.20 | 3 | 6 | **745-080C6-21M** | 63.0 | 95.2 | 60.0 | 12.0 | 2.21 | 5324 | 6 | 745R-2109 |
| | 21 | C8 | 5.20 | 3 | 6 | **745-080C8-21M** | 80.0 | 95.2 | 65.0 | 12.0 | 3.12 | 5324 | 6 | 745R-2109 |
| | 21 | C6 | 5.20 | 3 | 9 | **745-080C6-21H** | 63.0 | 95.2 | 60.0 | 12.0 | 2.09 | 5324 | 9 | 745R-2109 |
| | 21 | C8 | 5.20 | 3 | 9 | **745-080C8-21H** | 80.0 | 95.2 | 65.0 | 12.0 | 3.23 | 5324 | 9 | 745R-2109 |
| 100.0 | 21 | C8 | 5.20 | 3 | 7 | **745-100C8-21M** | 80.0 | 115.2 | 65.0 | 12.0 | 3.66 | 4765 | 7 | 745R-2109 |
| | 21 | C8 | 5.20 | 3 | 11 | **745-100C8-21H** | 80.0 | 115.2 | 65.0 | 12.0 | 3.62 | 4765 | 11 | 745R-2109 |

| Piezas de repuesto |
|---|
| Tornillo de plaquita |
| 5513 020-80 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

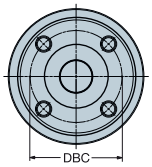
I19 L2 N23 N9 N15

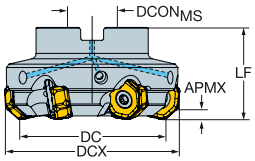
# Fresa de planear CoroMill® 745

**Eje - Suministro de refrigerante interior**

STDNO ISO6462
KAPR 42°






| DC | | CZCMS | APMXFFW | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | ISO | DBC | DCX | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 63.0 | 21 | 22 | 5.20 | 3 | 5 | | 745-063Q22-21M | 22.0 | A | | 78.2 | 50.0 | 12.0 | 0.80 | 5894 | 5 | 745R-2109 |
| | 21 | 22 | 5.20 | 3 | | 5 | 745-063Q22-21MD | 22.0 | A | | 78.2 | 46.0 | 12.0 | 0.83 | 5894 | 5 | 745R-2109 |
| | 21 | 22 | 5.20 | 3 | 7 | | 745-063Q22-21H | 22.0 | A | | 78.2 | 50.0 | 12.0 | 0.98 | 5894 | 7 | 745R-2109 |
| 80.0 | 21 | 27 | 5.20 | 3 | 6 | | 745-080Q27-21M | 27.0 | A | | 95.2 | 50.0 | 12.0 | 1.48 | 5324 | 6 | 745R-2109 |
| | 21 | 27 | 5.20 | 3 | | 6 | 745-080Q27-21MD | 27.0 | A | | 95.2 | 48.0 | 12.0 | 1.38 | 5324 | 6 | 745R-2109 |
| | 21 | 27 | 5.20 | 3 | 9 | | 745-080Q27-21H | 27.0 | A | | 95.2 | 50.0 | 12.0 | 1.37 | 5324 | 9 | 745R-2109 |
| 100.0 | 21 | 32 | 5.20 | 3 | 7 | | 745-100Q32-21M | 32.0 | A | | 115.2 | 50.0 | 12.0 | 2.19 | 4765 | 7 | 745R-2109 |
| | 21 | 32 | 5.20 | 3 | | 7 | 745-100Q32-21MD | 32.0 | A | | 115.2 | 50.0 | 12.0 | 2.12 | 4765 | 7 | 745R-2109 |
| | 21 | 32 | 5.20 | 3 | 11 | | 745-100Q32-21H | 32.0 | A | | 115.2 | 50.0 | 12.0 | 2.01 | 4765 | 11 | 745R-2109 |
| 125.0 | 21 | 40 | 5.20 | 3 | 8 | | 745-125Q40-21M | 40.0 | B | | 140.2 | 63.0 | 12.0 | 3.75 | 4216 | 8 | 745R-2109 |
| | 21 | 40 | 5.20 | 3 | | 8 | 745-125Q40-21MD | 40.0 | B | | 140.2 | 54.0 | 12.0 | 2.95 | 4216 | 8 | 745R-2109 |
| | 21 | 40 | 5.20 | 3 | 14 | | 745-125Q40-21H | 40.0 | B | | 140.2 | 63.0 | 12.0 | 3.53 | 4216 | 14 | 745R-2109 |
| 160.0 | 21 | 40 | 5.20 | 3 | 10 | | 745-160Q40-21M | 40.0 | B | | 175.2 | 63.0 | 12.0 | 5.26 | 3675 | 10 | 745R-2109 |
| | 21 | 40 | 5.20 | 3 | | 10 | 745-160Q40-21MD | 40.0 | B | | 175.2 | 60.0 | 12.0 | 4.70 | 3675 | 10 | 745R-2109 |
| | 21 | 40 | 5.20 | 3 | 16 | | 745-160Q40-21H | 40.0 | B | | 175.2 | 63.0 | 12.0 | 4.75 | 3675 | 16 | 745R-2109 |
| 200.0 | 21 | 60 | 5.20 | 0 | 14 | | 745-200Q60-21M | 60.0 | C | 101.6 | 215.2 | 63.0 | 12.0 | 6.31 | 3292 | 14 | 745R-2109 |
| | 21 | 60 | 5.20 | 0 | 21 | | 745-200Q60-21H | 60.0 | C | 101.6 | 215.2 | 63.0 | 12.0 | 6.61 | 3292 | 21 | 745R-2109 |
| 250.0 | 21 | 60 | 5.20 | 0 | 16 | | 745-250Q60-21M | 60.0 | C | 101.6 | 264.4 | 63.0 | 12.0 | 9.40 | 2998 | 16 | 745R-2109 |
| | 21 | 60 | 5.20 | 0 | 26 | | 745-250Q60-21H | 60.0 | C | 101.6 | 264.4 | 63.0 | 12.0 | 9.00 | 2998 | 26 | 745R-2109 |

| | Piezas de repuesto | |
|---|---|---|
| DC | Tornillo de chorro | Tornillo de plaquita |
| 63.00 | 5512 073-01 | 5513 020-80 |
| 80.00 | 5512 073-02 | 5513 020-80 |
| 100.00 | 5512 073-05 | 5513 020-80 |
| 125.00-160.00 | 5512 098-03 | 5513 020-80 |
| 250.00 | - | 5513 020-80 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es


I45


L2


M1



N23



N9

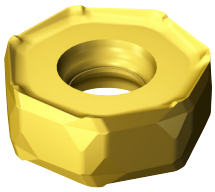


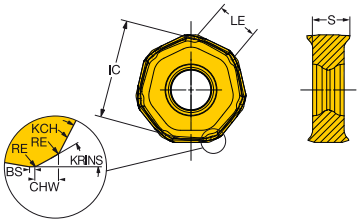
N15

SPA

# Plaquita CoroMill® 745 para fresado

KRINS 42°






| | | | RE | KCH | CHW | Código de pedido | P 1130 | P 4220 | P 4230 | P 4240 | M 1040 | M 2040 | K 1020 | K 3040 | K K20D | K K20W | S S30T | S S40T | Dimensiones, mm IC | LE | S | BS | BSR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Medio | M30 | 21 | 1.00 | 17° | 1.3 | 745R-2109E-M30 | ★ | ☆ | ★ | ☆ | | | ★ | ☆ | ☆ | ☆ | | | 21.0 | 8.9 | 9.00 | 0.3 | 25.0 |
| | M31 | 21 | 1.00 | | | 745R-2109E-M31 | ★ | ☆ | ★ | ☆ | ★ | ☆ | ★ | ☆ | ☆ | ☆ | ★ | ☆ | 21.0 | 7.1 | 9.00 | 1.9 | 150.0 |
| | M50 | 21 | 1.00 | 17° | 1.3 | 745R-2109E-M50 | ☆ | ☆ | ★ | ☆ | | | | ★ | ☆ | ☆ | | | 21.0 | 8.9 | 9.00 | 0.3 | 25.0 |
| | | | 1.00 | 17° | 1.3 | 745L-2109E-M50 | | | ★ | | | | | | ☆ | ☆ | | | 21.0 | 8.5 | 9.00 | 0.3 | 25.0 |
| Pesado | H50 | 21 | 1.00 | 17° | 1.3 | 745R-2109E-H50 | | ☆ | ★ | ☆ | | | | ★ | ☆ | ☆ | | | 21.0 | 8.9 | 9.00 | 0.3 | 25.0 |

No se recomienda 745R-2109E-M31 para la fresa de alto avance CoroMill 745 con ángulo de posición de 25°.

I17 I154 I175 N23 N10

# CoroMill® 360

## Fresa de planear para mecanizado pesado

**Área de aplicación ISO:**

P M K

**Aplicación**

- Planeado pesado

**Ventajas y características**

- Los cartuchos de plaquitas intercambiables con adaptadores estriados proporcionan un posicionamiento seguro y preciso y una manipulación sencilla.
- La utilización de cartuchos independientes para cada tamaño de plaquita en el mismo cuerpo de la fresa reduce el tiempo de inactividad y el inventario.
- Se encuentran disponibles diseños de herramienta a derecha o izquierda.
- Solución de cartucho especial.



**M** **H**



La solución de cartucho independiente, con plaquitas de sujeción por brida cuña, proporciona una gran seguridad y un cambio de plaquita simplificado. Ambos tamaños de cartucho emplean el mismo cuerpo. Cada tamaño de plaquita dispone de cuñas y cartuchos independientes. Al llevar a cabo la sustitución, asegúrese de utilizar el tamaño correcto para cada una.



I21 I22

SPA

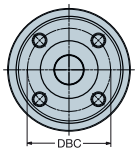
# Fresa de planear CoroMill® 360

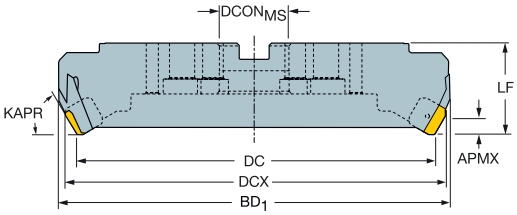
**En eje**

STDNO
KAPR

ISO6462
60°






| DC | | CZC$_{MS}$ | APMX | ZADJ | | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ISO | DBC | DCX | BD | LB | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 160.0 | 19 | 40 | 13.0 | 6 | | 6 | **360-160Q40-Z6D19** | 40.0 | B | | 175.0 | 186.6 | 13.0 | 80.0 | 16.0 | 16.11 | 795 | 6 | 360R-1906 |
| | 19 | 40 | 13.0 | 8 | 8 | | **360-160Q40-Z8E19** | 40.0 | B | | 175.0 | 186.6 | 13.0 | 80.0 | 16.0 | 10.66 | 795 | 8 | 360R-1906 |
| | 28 | 40 | 18.0 | 8 | 8 | | **360-160Q40-Z8E28** | 40.0 | B | | 180.8 | 186.2 | 18.0 | 80.0 | 16.0 | 15.47 | 795 | 8 | 360R-2807 |
| 200.0 | 19 | 60 | 13.0 | 8 | | 8 | **360-200Q60-Z8D19** | 60.0 | C | 101.6 | 215.0 | 226.6 | 13.0 | 80.0 | 16.0 | 19.96 | 640 | 8 | 360R-1906 |
| | 19 | 60 | 13.0 | 10 | 10 | | **360-200Q60-Z10E19** | 60.0 | C | 101.6 | 215.0 | 226.6 | 13.0 | 80.0 | 16.0 | 19.78 | 640 | 10 | 360R-1906 |
| | 28 | 60 | 18.0 | 10 | 10 | | **360-200Q60-Z10E28** | 60.0 | C | 101.6 | 220.8 | 226.2 | 18.0 | 80.0 | 16.0 | 15.20 | 640 | 10 | 360R-2807 |
| 250.0 | 19 | 60 | 13.0 | 10 | | 10 | **360-250Q60-Z10D19** | 60.0 | C | 101.6 | 265.0 | 276.6 | 13.0 | 80.0 | 16.0 | 26.77 | 510 | 10 | 360R-1906 |
| | 19 | 60 | 13.0 | 12 | 12 | | **360-250Q60-Z12E19** | 60.0 | C | 101.6 | 265.0 | 276.6 | 13.0 | 80.0 | 16.0 | 27.00 | 510 | 12 | 360R-1906 |
| | 28 | 60 | 18.0 | 10 | | 10 | **360-250Q60-Z10D28** | 60.0 | C | 101.6 | 270.8 | 276.2 | 18.0 | 80.0 | 16.0 | 26.50 | 510 | 10 | 360R-2807 |
| | 28 | 60 | 18.0 | 12 | 12 | | **360-250Q60-Z12E28** | 60.0 | C | 101.6 | 270.8 | 276.2 | 18.0 | 80.0 | 16.0 | 26.13 | 510 | 12 | 360R-2807 |
| 315.0 | 19 | 60 | 13.0 | 12 | | 12 | **360-315Q60-Z12D19** | 60.0 | C | | 330.0 | 341.6 | 13.0 | 80.0 | 16.0 | 42.32 | 405 | 12 | 360R-1906 |
| | 28 | 60 | 18.0 | 12 | | 12 | **360-315Q60-Z12D28** | 60.0 | C | | 335.8 | 341.2 | 18.0 | 80.0 | 16.0 | 39.90 | 405 | 12 | 360R-2807 |
| | 28 | 60 | 18.0 | 15 | 15 | | **360-315Q60-Z15E28** | 60.0 | C | | 335.8 | 341.2 | 18.0 | 80.0 | 16.0 | 34.00 | 405 | 15 | 360R-2807 |
| 400.0 | 19 | 60 | 13.0 | 15 | | 15 | **360-400Q60-Z15D19** | 60.0 | C | | 415.0 | 426.6 | 13.0 | 80.0 | 16.0 | 60.00 | 320 | 15 | 360R-1906 |
| | 28 | 60 | 18.0 | 15 | | 15 | **360-400Q60-Z15D28** | 60.0 | C | | 420.8 | 426.2 | 18.0 | 80.0 | 16.0 | 58.00 | 320 | 15 | 360R-2807 |

| | | Piezas de repuesto | | | | |
|---|---|---|---|---|---|---|
| DC | | Cartucho | Cuña para plaquita | Tornillo para cuña de plaquita | Cuña para cartucho | Tornillo para cuña de cartucho |
| 160.00-315.00 | 19 | 360R-CA-19 | 360R-IW-19 | 267.21-830 | 5431 105-08 | 5516 010-06 |
| 200.00-400.00 | 28 | 360R-CA-28 | 360R-IW-28 | 267.21-830 | 5431 105-08 | 5516 010-06 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es


I22


L2


M1



N23

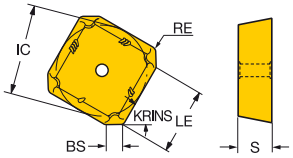


N9

# Plaquita CoroMill® 360 para fresado

KRINS 60°






| | | SSC | RE | Código de pedido | P 4220 | P 4330 | P 4340 | M 2030 | M 2040 | K 3040 | K 3330 | Dimensiones, mm IC | LE | S | BS | BSR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pesado | KH | 19 | 1.60 | 360R-19 06M-KH | | | | | | ☆ | ★ | 18.9 | 15.0 | 6.35 | 2.2 | 200.0 |
| | | 28 | 1.70 | 360L-2807M-KH | | | | | | ★ | | 28.5 | 20.0 | 7.94 | 4.6 | 200.0 |
| | | | 1.70 | 360R-28 07M-KH | | | | | | ☆ | ★ | 28.5 | 20.0 | 7.94 | 4.6 | 200.0 |
| | MH | 19 | 1.60 | 360L-1906M-MH | | | | | ★ | | | 18.9 | 15.0 | 6.35 | 2.2 | 200.0 |
| | | | 1.60 | 360R-19 06M-MH | | | | ☆ | ★ | | | 18.9 | 15.0 | 6.35 | 2.2 | 200.0 |
| | | 28 | 1.70 | 360L-2807M-MH | | | | | ★ | | | 28.5 | 20.0 | 7.94 | 4.6 | 200.0 |
| | | | 1.70 | 360R-28 07M-MH | | | | | ★ | | | 28.5 | 20.0 | 7.94 | 4.6 | 200.0 |
| | PH | 19 | 1.60 | 360L-1906M-PH | | ★ | | | | | | 18.9 | 15.0 | 6.35 | 2.2 | 200.0 |
| | | | 1.60 | 360R-19 06M-PH | ☆ | ★ | ☆ | | | | | 18.9 | 15.0 | 6.35 | 2.2 | 200.0 |
| | | 28 | 1.70 | 360L-2807M-PH | | ★ | | | | | | 28.5 | 20.0 | 7.94 | 4.6 | 200.0 |
| | | | 1.70 | 360R-28 07M-PH | | ★ | ☆ | | | | | 28.5 | 20.0 | 7.94 | 4.6 | 200.0 |

I21 I154 I175 N23 N10

SPA

# CoroMill® 365

## Planeado seguro en fundición y acero

### Área de aplicación ISO

P M K N S H

### Aplicación

- Planeado
- Desbaste y semiacabado



### Ventajas y características

- Diseño exclusivo con ocho filos efectivos para conseguir un mecanizado muy productivo y un bajo coste por pieza.
- Las plaquitas multifilo con autocentrado proporcionan un mecanizado robusto y fiable.
- Acoplamiento Coromant Capto® o montaje en eje.
- Diseño con refrigerante interior.
- Geometría y calidad marcadas con láser sobre la plaquita para facilitar su identificación.
- Plaquitas Wiper para optimizar el acabado superficial.

CoroMill® 365 es la herramienta imprescindible para operaciones de planeado en desbaste y semiacabado de piezas de fundición y acero. Utilice la herramienta para producciones en serie de gran escala y aplicaciones en las que el volumen de viruta es crítico.

### Plaquitas

- El diseño de la herramienta presenta una gran superficie de apoyo y una distribución óptima de la fuerza de corte.

I24 I26

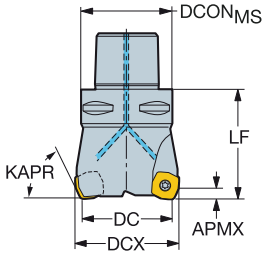
# Fresa de planear CoroMill® 365

**Coromant Capto®**

**Diseño de sujeción por tornillo**

KAPR 65°





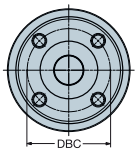

| DC | | CZCMS | APMX | CNSC | | Código de pedido | Dimensiones, mm DCONMS | DCX | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60.0 | 15 | C6 | 6.0 | 3 | 5 | R365-063C6-S15M | 63.0 | 69.7 | 60.0 | 3.0 | 1.88 | 13600 | 5 | R365-1505ZNE |

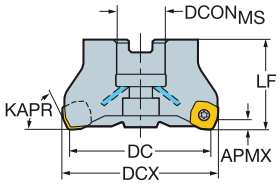
En eje

**Diseño de sujeción por tornillo**

STDNO ISO6462
KAPR 65°






| DC | | CZCMS | APMX | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | ISO | DBC | DCX | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50.0 | 15 | 22 | 6.0 | 1 | 5 | | R365-050Q22-S15H | 22.0 | A | | 56.7 | 50.0 | 3.0 | 0.68 | 15700 | 5 | R365-1505ZNE |
| 63.0 | 15 | 22 | 6.0 | 1 | | 5 | R365-063Q22-S15M | 22.0 | A | | 69.7 | 50.0 | 3.0 | 1.00 | 13600 | 5 | R365-1505ZNE |
| | 15 | 22 | 6.0 | 1 | 6 | | R365-063Q22-S15H | 22.0 | A | | 69.7 | 50.0 | 3.0 | 0.98 | 13600 | 6 | R365-1505ZNE |
| 80.0 | 15 | 27 | 6.0 | 1 | | 6 | R365-080Q27-S15M | 27.0 | A | | 86.7 | 50.0 | 3.0 | 1.70 | 11500 | 6 | R365-1505ZNE |
| | 15 | 27 | 6.0 | 1 | 8 | | R365-080Q27-S15H | 27.0 | A | | 86.7 | 50.0 | 3.0 | 1.68 | 11500 | 8 | R365-1505ZNE |
| 100.0 | 15 | 32 | 6.0 | 1 | | 7 | R365-100Q32-S15M | 32.0 | A | | 106.7 | 50.0 | 3.0 | 2.20 | 9900 | 7 | R365-1505ZNE |
| | 15 | 32 | 6.0 | 1 | 10 | | R365-100Q32-S15H | 32.0 | A | | 106.7 | 50.0 | 3.0 | 2.20 | 9900 | 10 | R365-1505ZNE |
| 125.0 | 15 | 40 | 6.0 | 1 | | 8 | R365-125Q40-S15M | 40.0 | B | | 131.7 | 63.0 | 3.0 | 3.94 | 8500 | 8 | R365-1505ZNE |
| | 15 | 40 | 6.0 | 1 | 12 | | R365-125Q40-S15H | 40.0 | B | | 131.7 | 63.0 | 3.0 | 3.87 | 8500 | 12 | R365-1505ZNE |
| 160.0 | 15 | 40S | 6.0 | 0 | | 10 | R365-160Q40-S15M | 40.0 | C | 66.7 | 166.7 | 63.0 | 3.0 | 5.80 | 7500 | 10 | R365-1505ZNE |
| | 15 | 40S | 6.0 | 0 | 14 | | R365-160Q40-S15H | 40.0 | C | 66.7 | 166.7 | 63.0 | 3.0 | 5.76 | 7500 | 14 | R365-1505ZNE |

| Piezas de repuesto |
|---|
| Tornillo |
| 5513 020-29 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I26 L2 N23 N15 N9

SPA

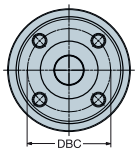
# Fresa de planear CoroMill® 365

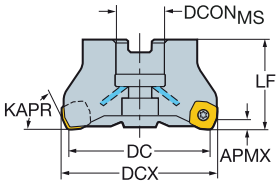
**En eje**

**Diseño de brida cuña**

STDNO ISO6462
KAPR 65°






| DC | | CZC$_{MS}$ | APMX | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ISO | DBC | DCX | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80.0 | 15 | 27 | 6.0 | 10 | **R365-080Q27-W15H** | 27.0 | A | | 86.7 | 50.0 | 6.0 | 1.79 | 11200 | 10 | R365-1505ZNE |
| | 15 | 27 | 6.0 | 10 | **L365-080Q27-W15H** | 27.0 | A | | 86.7 | 50.0 | 6.0 | 1.79 | 11200 | 10 | L365-1505ZNE |
| 100.0 | 15 | 32 | 6.0 | 14 | **R365-100Q32-W15H** | 32.0 | A | | 106.7 | 50.0 | 6.0 | 2.26 | 9900 | 14 | R365-1505ZNE |
| 125.0 | 15 | 40 | 6.0 | 18 | **R365-125Q40-W15H** | 40.0 | B | | 131.7 | 63.0 | 6.0 | 4.00 | 8800 | 18 | R365-1505ZNE |
| | 15 | 40 | 6.0 | 18 | **L365-125Q40-W15H** | 40.0 | B | | 131.7 | 63.0 | 6.0 | 4.00 | 8800 | 18 | L365-1505ZNE |
| 160.0 | 15 | 40S | 6.0 | 22 | **R365-160Q40-W15H** | 40.0 | C | 66.7 | 166.7 | 63.0 | 6.0 | 5.86 | 7700 | 22 | R365-1505ZNE |
| 200.0 | 15 | 60 | 6.0 | 28 | **R365-200Q60-W15H** | 60.0 | C | 101.6 | 206.7 | 63.0 | 6.0 | 14.54 | 6800 | 28 | R365-1505ZNE |
| 250.0 | 15 | 60 | 6.0 | 36 | **R365-250Q60-W15H** | 60.0 | C | 101.6 | 256.7 | 63.0 | 6.0 | 20.16 | 6100 | 36 | R365-1505ZNE |

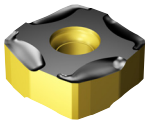
| Piezas de repuesto | |
|---|---|
| Tornillo de cuña | Cuña |
| 339-831 | 5431 058-01 |

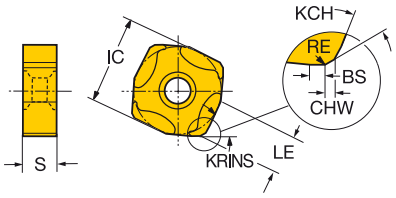
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I26 L2 N23 N15 N9

# Plaquita CoroMill® 365 para fresado

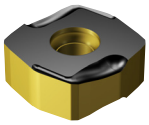
KRINS 65°



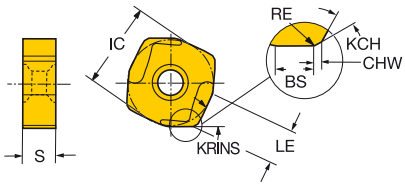



| | | | RE | KCH | CHW | Código de pedido | P | | | M | K | | | | N | S | H | | Dimensiones, mm | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 1130 | 4220 | 4330 | 1130 | 1020 | 3330 | K20D | K20W | 1130 | 1130 | 1010 | 1130 | IC | LE | S | BS | BSR |
| Ligero | KL | 15 | | 30° | 0.7 | L365-1505ZNE-KL | | | | | ★ | ☆ | | | | | | | 15.0 | 6.4 | 5.66 | 1.5 | |
| | | | 0.30 | 35° | 0.7 | R365-1505ZNE-KL | | | | | ★ | ☆ | ☆ | ☆ | | | | | 15.0 | 6.4 | 5.66 | 1.5 | 150.0 |
| | PL | 15 | 0.30 | 35° | 0.7 | R365-1505ZNE-PL | ☆ | | | ☆ | | | | | ☆ | ☆ | | ☆ | 15.0 | 6.4 | 5.66 | 1.5 | 150.0 |
| Medio | KM | 15 | 0.30 | 35° | 0.7 | L365-1505ZNE-KM | | | | | ☆ | ★ | ☆ | ☆ | | | | | 15.0 | 6.4 | 5.66 | 1.5 | |
| | | | 0.30 | 35° | 0.7 | R365-1505ZNE-KM | | | | | ☆ | ★ | ☆ | ☆ | | | | | 15.0 | 6.4 | 5.66 | 1.5 | 150.0 |
| | PM | 15 | 0.30 | 35° | 0.7 | R365-1505ZNE-PM | ☆ | ☆ | ★ | ☆ | | | | | ☆ | ☆ | ★ | ☆ | 15.0 | 6.4 | 5.66 | 1.5 | 150.0 |

KRINS 65°



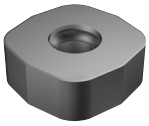
TECHNOLOGY Wiper

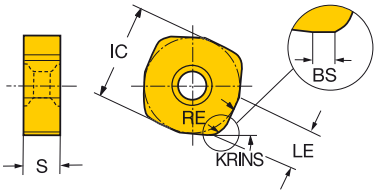



| | | | RE | KCH | CHW | Código de pedido | P | | M | | K | | | | H | | Dimensiones, mm | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 1030 | 1130 | 1030 | 1130 | 1020 | K20W | 3220 | 3330 | 1030 | 1130 | IC | LE | S | BS | BSR |
| Ligero | KW4 | 15 | 0.55 | 35° | 0.8 | N365-1505ZNE-KW4 | | | | | ☆ | ☆ | ☆ | ☆ | | | 15.0 | 6.4 | 5.66 | 4.0 | 200.0 |
| | KW8 | 15 | 0.20 | 35° | 0.8 | N365-1505ZNE-KW8 | | | | | ☆ | ☆ | ☆ | ☆ | | | 15.0 | 6.4 | 5.66 | 8.0 | 431.0 |
| | PW4 | 15 | 0.55 | 35° | 0.8 | N365-1505ZNE-PW4 | ☆ | | ☆ | | | | | | ☆ | | 15.0 | 6.4 | 5.66 | 4.0 | 200.0 |
| | PW8 | 15 | 0.20 | 35° | 0.8 | N365-1505ZNE-PW8 | | ☆ | | ☆ | | | | | | ☆ | 15.0 | 6.4 | 5.66 | 8.0 | 431.0 |

## Materiales de corte avanzados

KRINS 65°





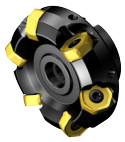
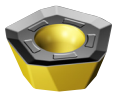
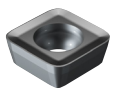
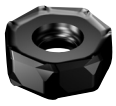
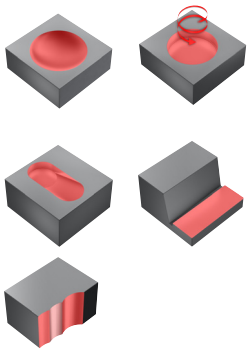
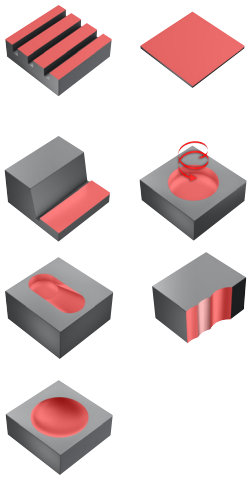
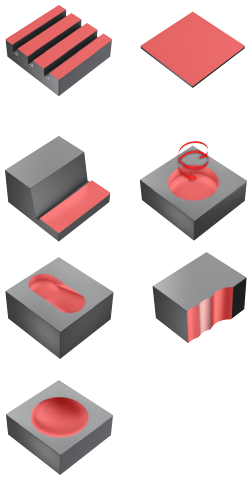

| | | RE | Código de pedido | K | H | Dimensiones, mm | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 6190 | 6190 | IC | LE | S | BS | BSR |
| Ligero | 15 | 3.60 | N365-1505ZNE | ☆ | ☆ | 15.0 | 6.4 | 5.66 | 1.2 | 150.0 |
| Medio | 15 | 3.60 | N365-150536E | ☆ | ☆ | 15.0 | 6.4 | 5.66 | | |

I24 I154 I175 N23 N10



SANDVIK Coromant

# Herramientas de fresado de alto avance

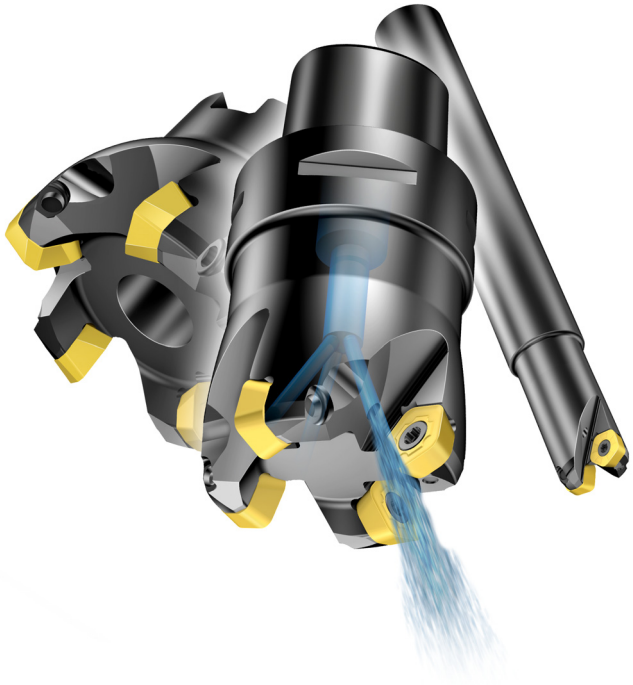
| | CoroMill® 419 | CoroMill® 210 | CoroMill® 415 | CoroMill® 745 |
|---|---|---|---|---|
| |  |  |  |  |
| Página | I29 | I33 | I38 | I43 |
| Material | P M K S H | P M K S H | P M S H | P K |
| Operación principal |  |  |  |  |
| KAPR | 19° | 10° | 15° | 25° |
| $D_c$ mm | 17.4 - 85.3 | 10.9 - 136 | 4.6 - 23.6 | 63 - 160 |
| DCX mm | 32.0 - 100.0 | 25 - 160 | 13 - 32 | 86.4 - 183.4 |
| APMX mm | 2 | 1.2 - 2 | 0.85 - 1.2 | 2.80 |
| Plaquita |  |  |  |  |
| Tamaños de plaquita | 14 | 09 & 14 | 05 & 07 | 21 |
| Acoplamientos | Coromant Capto®<br>Mango cilíndrico<br>En eje | Coromant Capto®<br>Mango cilíndrico<br>En eje<br>Acoplamiento roscado<br>Weldon | Mango cilíndrico<br>Coromant EH<br>Acoplamiento roscado | Coromant Capto®<br>En eje |
| Refrigerante interior | ✓ | ✓ | ✓ | ✓ |
| Opciones | | | iLock | |
| Otras operaciones |  |  |  |  |

# CoroMill® 419

## Herramienta de fresado de alto avance

### Aplicación

- Planeado de alto avance
- Perfilado
- Mecanizado en rampa
- Interpolación helicoidal
- Mecanizado de piezas que requieren voladizos largos
- Apta para máquinas de potencia baja y fijaciones débiles
- Desbaste y semiacabado



### Área de aplicación ISO:

P M K N S H

### Ventajas y características

- Gran productividad en aplicaciones que requieren una acción de corte ligera
- Vida útil de la herramienta prolongada, especialmente en materiales de difícil mecanizado
- Plaquitas fuertes y robustas para un mecanizado fiable
- Consumo de potencia bajo
- El refrigerante interior en todas las fresas permite llevar a cabo un mecanizado eficiente con refrigerante y aire comprimido
- Fuerzas axiales reducidas con un ángulo de posición de 19° y ángulo de inclinación axial positivo

www.sandvik.coromant.com/coromill419

### Acoplamientos

- Coromant Capto®
- En eje
- Mango cilíndrico

### Plaquitas

- Cinco filos de corte
- Plaquitas con faceta paralela para planeado de alto avance y plaquitas de radio para fresado de cavidades
- Amplia gama de calidades y geometrías

**L**



Paso amplio

**M**



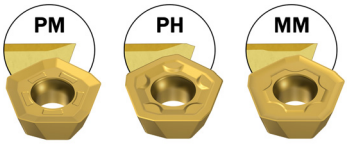
Paso estrecho

**H**

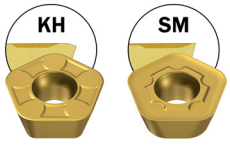


Paso extra estrecho

Planeado




Fresado de perfiles y planeado






I29



I31




N6

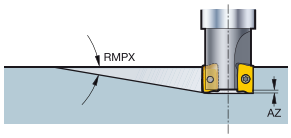
SPA

# Fresa CoroMill® 419 para planeado

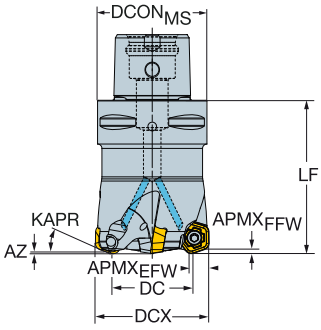
**Coromant Capto® - Suministro de refrigerante interior**

**Herramienta de fresado de alto avance**






KAPR 19°



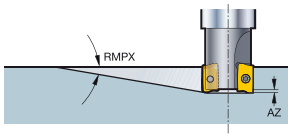

| DC | | CZCMS | APMXEFW | APMXFFW | RMPX | AZ | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | DCX | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.4 | 14 | C3 | 8.0 | 2.00 | 9° | 2.0 | 3 | 2 | | 419-036C3-14L | 32.0 | 36.0 | 50.0 | 5.0 | 0.36 | 22400 | 2 | 419R-1405 |
| 27.4 | 14 | C4 | 8.0 | 2.00 | 8° | 2.0 | 3 | | 3 | 419-042C4-14M | 40.0 | 42.0 | 70.0 | 5.0 | 0.62 | 19900 | 3 | 419R-1405 |
| 37.4 | 14 | C5 | 8.0 | 2.00 | 8° | 2.0 | 3 | | 4 | 419-052C5-14M | 50.0 | 52.0 | 70.0 | 5.0 | 1.08 | 17100 | 4 | 419R-1405 |
| 51.3 | 14 | C6 | 8.0 | 2.00 | 6° | 2.0 | 3 | | 5 | 419-066C6-14M | 63.0 | 66.0 | 70.0 | 5.0 | 1.73 | 14600 | 5 | 419R-1405 |
| 69.3 | 14 | C8 | 8.0 | 2.00 | 5° | 2.0 | 3 | 6 | | 419-084C8-14H | 80.0 | 84.0 | 70.0 | 5.0 | 3.02 | 12600 | 6 | 419R-1405 |

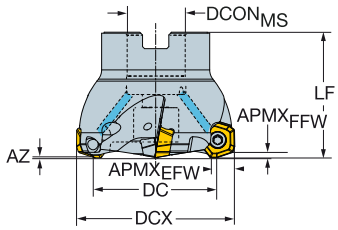
**Eje - Suministro de refrigerante interior**

STDNO ISO 6462

KAPR 19°






| DC | | CZCMS | APMXEFW | APMXFFW | RMPX | AZ | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | ISO | DCX | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29.4 | 14 | 16 | 8.0 | 2.00 | 8° | 2.0 | 1 | | 3 | 419-044Q16-14M | 16.0 | A | 44.0 | 45.0 | 5.0 | 0.37 | 19300 | 3 | 419R-1405 |
| 35.4 | 14 | 22 | 8.0 | 2.00 | 8° | 2.0 | 1 | | 4 | 419-050Q22-14M | 22.0 | A | 50.0 | 45.0 | 5.0 | 0.43 | 17600 | 4 | 419R-1405 |
| 37.4 | 14 | 22 | 8.0 | 2.00 | 8° | 2.0 | 1 | 5 | | 419-052Q22-14H | 22.0 | A | 52.0 | 45.0 | 5.0 | 0.50 | 17100 | 5 | 419R-1405 |
| 39.4 | 14 | 22 | 8.0 | 2.00 | 8° | 2.0 | 1 | | 4 | 419-054Q22-14M | 22.0 | A | 54.0 | 45.0 | 5.0 | 0.47 | 16800 | 4 | 419R-1405 |
| | 14 | 22 | 8.0 | 2.00 | 8° | 2.0 | 1 | 5 | | 419-054Q22-14H | 22.0 | A | 54.0 | 45.0 | 5.0 | 0.47 | 16800 | 5 | 419R-1405 |
| 48.3 | 14 | 22 | 8.0 | 2.00 | 7° | 2.0 | 1 | | 4 | 419-063Q22-14L | 22.0 | A | 63.0 | 50.0 | 5.0 | 0.63 | 15100 | 4 | 419R-1405 |
| | 14 | 22 | 8.0 | 2.00 | 7° | 2.0 | 1 | | 5 | 419-063Q22-14M | 22.0 | A | 63.0 | 50.0 | 5.0 | 0.58 | 15100 | 5 | 419R-1405 |
| 51.3 | 14 | 22 | 8.0 | 2.00 | 6° | 2.0 | 1 | | 5 | 419-066Q22-14M | 22.0 | A | 66.0 | 50.0 | 5.0 | 0.66 | 14600 | 5 | 419R-1405 |
| | 14 | 22 | 8.0 | 2.00 | 6° | 2.0 | 1 | 6 | | 419-066Q22-14H | 22.0 | A | 66.0 | 50.0 | 5.0 | 0.65 | 14600 | 6 | 419R-1405 |
| 65.3 | 14 | 27 | 8.0 | 2.00 | 5° | 2.0 | 1 | | 5 | 419-080Q27-14M | 27.0 | A | 80.0 | 50.0 | 5.0 | 1.07 | 13000 | 5 | 419R-1405 |
| | 14 | 27 | 8.0 | 2.00 | 5° | 2.0 | 1 | 6 | | 419-080Q27-14H | 27.0 | A | 80.0 | 50.0 | 5.0 | 1.06 | 13000 | 6 | 419R-1405 |
| 69.3 | 14 | 27 | 8.0 | 2.00 | 5° | 2.0 | 1 | | 6 | 419-084Q27-14M | 27.0 | A | 84.0 | 50.0 | 5.0 | 1.12 | 12600 | 6 | 419R-1405 |
| | 14 | 27 | 8.0 | 2.00 | 5° | 2.0 | 1 | 7 | | 419-084Q27-14H | 27.0 | A | 84.0 | 50.0 | 5.0 | 1.15 | 12600 | 7 | 419R-1405 |
| 85.3 | 14 | 32 | 8.0 | 2.00 | 0° | 2.0 | 1 | | 6 | 419-100Q32-14M | 32.0 | B | 100.0 | 50.0 | 5.0 | 1.68 | 11400 | 6 | 419R-1405 |
| | 14 | 32 | 8.0 | 2.00 | 0° | 2.0 | 1 | 7 | | 419-100Q32-14H | 32.0 | B | 100.0 | 50.0 | 5.0 | 1.69 | 11400 | 7 | 419R-1405 |

| Piezas de repuesto |
|---|
| Tornillo de plaquita |
| 5513 020-78 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

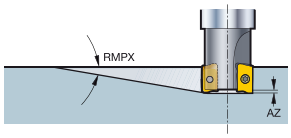
I31 L2 M1 N23 N6 N9 N15

# Fresa CoroMill® 419 para planeado

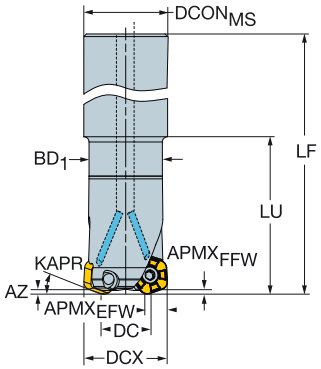
**Mango cilíndrico - Suministro de refrigerante interior**

**Herramienta de fresado de alto avance**






KAPR 19°




| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | CNSC | | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCX | BD | LB | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17.4 | 14 | 32 | 8.0 | 2.00 | 10° | 2.0 | 1 | 2 | | **419-032A32L-14L** | 32.0 | 32.0 | 28.0 | 57.0 | 250.0 | 60.0 | 5.0 | 1.40 | 24700 | 2 | 419R-1405 |
| 25.4 | 14 | 32 | 8.0 | 2.00 | 8° | 2.0 | 1 | | 3 | **419-040A32L-14M** | 32.0 | 40.0 | 28.0 | | 250.0 | | 5.0 | 1.50 | 20600 | 3 | 419R-1405 |

| Piezas de repuesto |
|---|
| Tornillo de plaquita |
| 5513 020-78 |

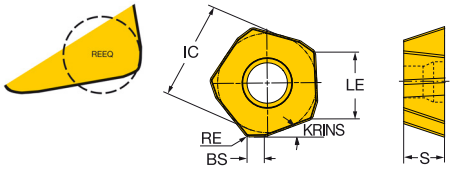
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I31 L2 N23 N6 N9 N15

# Plaquita CoroMill® 419 para fresado



KRINS 19°




| | | | RE | Código de pedido | P | | | | M | | | K | | | N | S | | | H | | Dimensiones, mm | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1130 | 4220 | 4330 | 4340 | 1040 | 1130 | 2040 | 1020 | 3040 | 3330 | 1130 | 1130 | S30T | S40T | 1010 | 1130 | IC | LE | S | BS | REEQ |
| Medio | MM | 14 | 0.80 | 419R-1405E-MM | ★ | | ★ | | ★ | ☆ | ☆ | | | | ☆ | ☆ | ★ | ☆ | ★ | ☆ | 13.5 | 9.0 | 5.47 | 2.0 | 4.50 |
| | PM | 14 | 0.80 | 419R-1405M-PM | ★ | ☆ | ★ | ☆ | ★ | ☆ | ☆ | ★ | | ★ | ☆ | ☆ | ★ | ☆ | | ☆ | 13.5 | 9.0 | 5.47 | 2.0 | 4.50 |
| | SM | 14 | 3.00 | 419N-140530E-SM | ★ | | ★ | ☆ | ★ | ☆ | ☆ | | | | ☆ | ☆ | ★ | ☆ | | ☆ | 13.5 | 9.0 | 5.47 | | 4.50 |
| Pesado | KH | 14 | 3.00 | 419N-140530M-KH | | ☆ | ★ | | | | | ☆ | ★ | ★ | | | | | | | 13.5 | 9.0 | 5.47 | | 4.50 |
| | PH | 14 | 0.80 | 419R-1405M-PH | | | ☆ | ★ | | | | | | ★ | | | | | ★ | | 13.5 | 9.0 | 5.47 | 2.0 | 4.50 |

I29 I154 I175 N23 N10

# CoroMill® 210

## Planeado y fresado axial de alto avance

### Aplicación

- Planeado de alto avance
- Fresado en plunge
- Mecanizado en rampa
- Desbaste y semiacabado
- Interpolación helicoidal
- Perfilado

### Área de aplicación ISO:

P M K N S H

### Ventajas y características

- Gran avance de mesa debido al efecto de adelgazamiento de la viruta: alta productividad
- Fresa de planear de primera elección para mecanizar con voladizos largos
- Herramienta multifunción: planeado, mandrinado, mecanizado en rampa y fresado axial
- Refrigerante interior



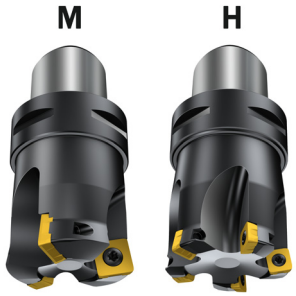
www.sandvik.coromant.com/coromill210

### Acoplamientos

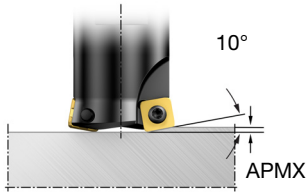
- Coromant Capto®
- En eje
- Mango cilíndrico
- Acoplamiento roscado

### Plaquitas

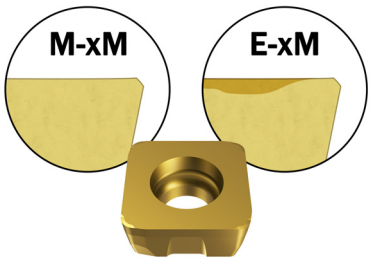
- Cuatro filos de corte
- Geometrías y calidades de plaquita para todo tipo de materiales, excepto ISO N
- Geometría E-xM para un excelente rendimiento en titanio




Paso estrecho Paso extra estrecho




El ángulo de posición de 10° permite aplicar velocidades de avance muy elevadas en operaciones de planeado.




Avance por diente recomendado ($f_z$) 1.5 mm para las plaquitas de tamaño 09 y 2 mm de avance por diente ($f_z$) para las plaquitas de tamaño 14.


I33

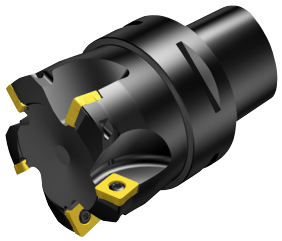

I36

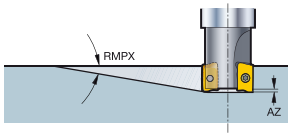
SPA

# Fresa de planear CoroMill® 210

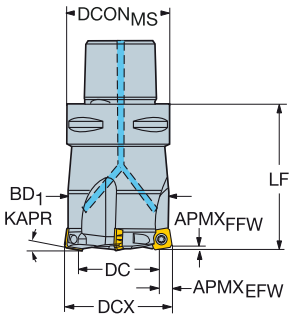
**Coromant Capto® - Suministro de refrigerante interior**

**Herramienta de fresado de alto avance**






KAPR 10°




| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | CNSC | | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCX | BD | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21.9 | 09 | C3 | 8.0 | 1.20 | 7° | 1.8 | 3 | 2 | | R210-036C3-09M | 32.0 | 36.0 | 33.0 | 50.0 | 3.0 | 0.44 | 30900 | 2 | R210-090412M- |
| | 09 | C3 | 8.0 | 1.20 | 7° | 1.8 | 3 | 3 | | R210-036C3-09H | 32.0 | 36.0 | 33.0 | 50.0 | 3.0 | 0.37 | 30900 | 3 | R210-090412M- |
| 27.9 | 09 | C4 | 8.0 | 1.20 | 5° | 1.8 | 3 | | 3 | R210-042C4-09M | 40.0 | 42.0 | 39.0 | 60.0 | 3.0 | 0.79 | 27600 | 3 | R210-090412M- |
| | 09 | C4 | 8.0 | 1.20 | 5° | 1.8 | 3 | 4 | | R210-042C4-09H | 40.0 | 42.0 | 39.0 | 60.0 | 3.0 | 0.60 | 27600 | 4 | R210-090412M- |
| 28.0 | 14 | C5 | 13.0 | 2.00 | 5° | 2.0 | 3 | | 3 | R210-052C5-14M | 50.0 | 52.0 | 47.7 | 70.0 | 5.0 | 1.21 | 20800 | 3 | R210-140512M- |
| | 14 | C5 | 13.0 | 2.00 | 3° | 2.0 | 3 | 4 | | R210-052C5-14H | 50.0 | 52.0 | 47.7 | 70.0 | 5.0 | 1.21 | 20800 | 4 | R210-140512M- |
| 30.0 | 14 | C5 | 13.0 | 2.00 | 5° | 2.0 | 3 | 4 | | R210-054C5-14H | 50.0 | 54.0 | 49.7 | 70.0 | 5.0 | 1.35 | 23600 | 4 | R210-140512M- |
| 37.9 | 09 | C5 | 8.0 | 1.20 | 3° | 1.8 | 3 | | 4 | R210-052C5-09M | 50.0 | 52.0 | 49.0 | 70.0 | 3.0 | 1.26 | 24000 | 4 | R210-090412M- |
| | 09 | C5 | 8.0 | 1.20 | 3° | 1.8 | 3 | 5 | | R210-052C5-09H | 50.0 | 52.0 | 49.0 | 70.0 | 3.0 | 1.20 | 24000 | 5 | R210-090412M- |
| 39.9 | 09 | C5 | 8.0 | 1.20 | 3° | 1.8 | 3 | 5 | | R210-054C5-09H | 50.0 | 54.0 | 51.0 | 70.0 | 3.0 | 1.15 | 23600 | 5 | R210-090412M- |
| 42.0 | 14 | C6 | 13.0 | 2.00 | 3° | 2.0 | 3 | | 4 | R210-066C6-14M | 63.0 | 66.0 | 61.7 | 72.0 | 5.0 | 2.02 | 17700 | 4 | R210-140512M- |
| | 14 | C6 | 13.0 | 2.00 | 3° | 2.0 | 3 | 5 | | R210-066C6-14H | 63.0 | 66.0 | 61.7 | 72.0 | 5.0 | 2.03 | 17700 | 5 | R210-140512M- |
| 51.9 | 09 | C6 | 8.0 | 1.20 | 2° | 1.8 | 3 | | 6 | R210-066C6-09M | 63.0 | 66.0 | 63.0 | 72.0 | 3.0 | 2.05 | 21300 | 6 | R210-090412M- |
| 58.0 | 14 | C8 | 13.0 | 2.00 | 2° | 2.0 | 3 | | 5 | R210-082C8-14M | 80.0 | 82.0 | 77.7 | 80.0 | 5.0 | 3.50 | 15100 | 5 | R210-140512M- |
| | 14 | C8 | 13.0 | 2.00 | 2° | 2.0 | 3 | 6 | | R210-082C8-14H | 80.0 | 82.0 | 77.7 | 80.0 | 5.0 | 3.46 | 15100 | 6 | R210-140512M- |
| 62.0 | 14 | C8 | 13.0 | 2.00 | 2° | 2.0 | 3 | 6 | | R210-086C8-14H | 80.0 | 86.0 | 81.7 | 80.0 | 5.0 | 3.67 | 14700 | 6 | R210-140512M- |

| | Piezas de repuesto |
|---|---|
| | Tornillo de plaquita |
| 09 | 5513 020-02 |
| 14 | 5513 020-50 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

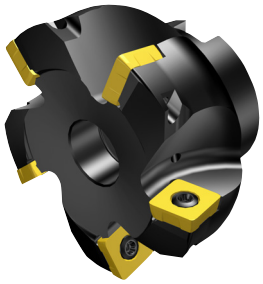
I36 L2 N23 N9 N15

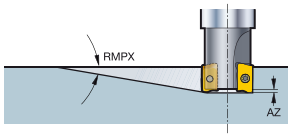
# Fresa de planear CoroMill® 210

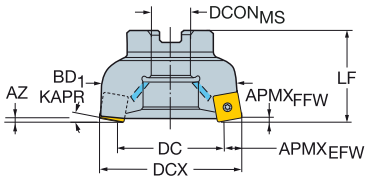
**Eje - Suministro de refrigerante interior**

**Herramienta de fresado de alto avance**

STDNO ISO6462
KAPR 10°






| DC | | CZCMS | APMXEFW | APMXFFW | RMPX | AZ | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | ISO | DCX | BD | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35.9 | 09 | 22 | 8.0 | 1.20 | 3° | 1.8 | 1 | | 4 | R210-050Q22-09M | 22.0 | A | 50.0 | 47.0 | 50.0 | 3.0 | 0.43 | 24500 | 4 | R210-090412M- |
| | 09 | 22 | 8.0 | 1.20 | 3° | 1.8 | 1 | 5 | | R210-050Q22-09H | 22.0 | A | 50.0 | 47.0 | 50.0 | 3.0 | 0.63 | 24500 | 5 | R210-090412M- |
| 39.0 | 14 | 22 | 13.0 | 2.00 | 3° | 2.0 | 1 | | 4 | R210-063Q22-14M | 22.0 | A | 63.0 | 58.7 | 50.0 | 5.0 | 0.76 | 18300 | 4 | R210-140512M- |
| | 14 | 27 | 13.0 | 2.00 | 3° | 2.0 | 1 | | 4 | R210-063Q27-14M | 27.0 | A | 63.0 | 58.7 | 50.0 | 5.0 | 0.81 | 18300 | 4 | R210-140512M- |
| | 14 | 22 | 13.0 | 2.00 | 3° | 2.0 | 1 | 5 | | R210-063Q22-14H | 22.0 | A | 63.0 | 58.7 | 50.0 | 5.0 | 0.50 | 18300 | 5 | R210-140512M- |
| 48.9 | 09 | 22 | 8.0 | 1.20 | 2° | 1.8 | 1 | | 5 | R210-063Q22-09M | 22.0 | A | 63.0 | 60.0 | 50.0 | 3.0 | 0.85 | 21800 | 5 | R210-090412M- |
| | 09 | 27 | 8.0 | 1.20 | 2° | 1.8 | 1 | | 5 | R210-063Q27-09M | 27.0 | A | 63.0 | 60.0 | 50.0 | 3.0 | 1.05 | 21800 | 5 | R210-090412M- |
| | 09 | 22 | 8.0 | 1.20 | 2° | 1.8 | 1 | 6 | | R210-063Q22-09H | 22.0 | A | 63.0 | 60.0 | 50.0 | 3.0 | 0.81 | 21800 | 6 | R210-090412M- |
| 56.0 | 14 | 27 | 13.0 | 2.00 | 2° | 2.0 | 1 | | 5 | R210-080Q27-14M | 27.0 | A | 80.0 | 75.7 | 50.0 | 5.0 | 1.10 | 15400 | 5 | R210-140512M- |
| | 14 | 27 | 13.0 | 2.00 | 2° | 2.0 | 1 | 6 | | R210-080Q27-14H | 27.0 | A | 80.0 | 75.7 | 50.0 | 5.0 | 1.20 | 15400 | 6 | R210-140512M- |
| 76.0 | 14 | 32 | 13.0 | 2.00 | 1° | 2.0 | 1 | | 6 | R210-100Q32-14M | 32.0 | B | 100.0 | 95.7 | 50.0 | 5.0 | 1.85 | 13400 | 6 | R210-140512M- |
| | 14 | 32 | 13.0 | 2.00 | 1° | 2.0 | 1 | 7 | | R210-100Q32-14H | 32.0 | B | 100.0 | 95.7 | 50.0 | 5.0 | 1.92 | 13400 | 7 | R210-140512M- |
| 101.0 | 14 | 40 | 13.0 | 2.00 | 1° | 2.0 | 1 | | 7 | R210-125Q40-14M | 40.0 | B | 125.0 | 120.7 | 63.0 | 5.0 | 3.83 | 11400 | 7 | R210-140512M- |
| 136.0 | 14 | 40 | 13.0 | 2.00 | 1° | 2.0 | 1 | | 8 | R210-160Q40-14M | 40.0 | B | 160.0 | 155.7 | 63.0 | 5.0 | 5.78 | 10400 | 8 | R210-140512M- |

| | Piezas de repuesto |
|---|---|
| | Tornillo de plaquita |
| 09 | 5513 020-02 |
| 14 | 5513 020-50 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I36 L2 M1 N23 N9 N15

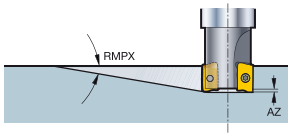
SPA

# Fresa de planear CoroMill® 210

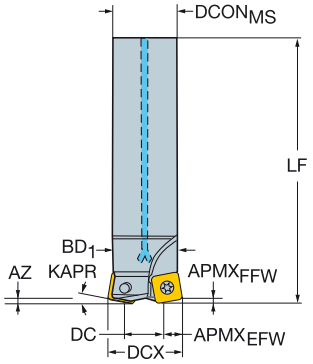
**Mango cilíndrico - Suministro de refrigerante interior**

**Herramienta de fresado de alto avance**





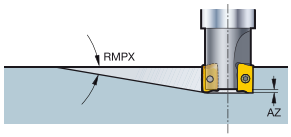

KAPR 10°



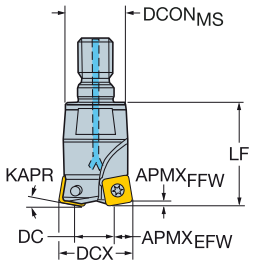

| DC | | CZCMS | APMXEFW | APMXFFW | RMPX | AZ | CNSC | | Código de pedido | Dimensiones, mm DCONMS | DCX | BD | LB | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.9 | 09 | 20 | 8.0 | 1.20 | 14° | 1.8 | 1 | 2 | R210-025A20-09M | 20.0 | 25.0 | 22.0 | 35.0 | 180.0 | 3.0 | 0.54 | 17200 | 2 | R210-090412M- |
| 17.9 | 09 | 25 | 8.0 | 1.20 | 8° | 1.8 | 1 | 2 | R210-032A25-09M | 25.0 | 32.0 | 29.0 | 45.0 | 210.0 | 3.0 | 0.88 | 11000 | 2 | R210-090412M- |
| | 09 | 25 | 8.0 | 1.20 | 8° | 1.8 | 1 | 3 | R210-032A25-09H | 25.0 | 32.0 | 29.0 | 45.0 | 210.0 | 3.0 | 0.50 | 11000 | 3 | R210-090412M- |
| 20.9 | 09 | 32 | 8.0 | 1.20 | 7° | 1.8 | 1 | 3 | R210-035A32-09H | 32.0 | 35.0 | 32.0 | 45.0 | 210.0 | 3.0 | 1.30 | 11000 | 3 | R210-090412M- |
| 27.9 | 09 | 32 | 8.0 | 1.20 | 5° | 1.8 | 1 | 3 | R210-042A32-09M | 32.0 | 42.0 | 39.0 | 50.0 | 250.0 | 3.0 | 1.83 | 8000 | 3 | R210-090412M- |
| | 09 | 32 | 8.0 | 1.20 | 5° | 1.8 | 1 | 4 | R210-042A32-09H | 32.0 | 42.0 | 39.0 | 50.0 | 250.0 | 3.0 | 1.77 | 8000 | 4 | R210-090412M- |

**Acoplamiento roscado - Suministro de refrigerante interior**






KAPR 10°




| DC | | CZCMS | APMXEFW | APMXFFW | RMPX | AZ | CNSC | | Código de pedido | Dimensiones, mm DCONMS | DCX | BD | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.9 | 09 | M12 | 8.0 | 1.20 | 14° | 1.8 | 1 | 2 | R210-025T12-09M | 20.8 | 25.0 | 22.0 | 35.0 | 3.0 | 0.24 | 15000 | 2 | R210-090412M- |
| 17.9 | 09 | M16 | 8.0 | 1.20 | 8° | 1.8 | 1 | 2 | R210-032T16-09M | 28.8 | 32.0 | 29.0 | 45.0 | 3.0 | 0.36 | 15000 | 2 | R210-090412M- |
| 20.9 | 09 | M16 | 8.0 | 1.20 | 7° | 1.8 | 1 | 3 | R210-035T16-09H | 28.8 | 35.0 | 32.0 | 50.0 | 3.0 | 0.37 | 15000 | 3 | R210-090412M- |
| 27.9 | 09 | M16 | 8.0 | 1.20 | 5° | 1.8 | 1 | 4 | R210-042T16-09H | 28.8 | 42.0 | 39.0 | 50.0 | 3.0 | 0.44 | 15000 | 4 | R210-090412M- |

| Piezas de repuesto |
|---|
| Tornillo de plaquita |
| 5513 020-02 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es


I36


L2



N23



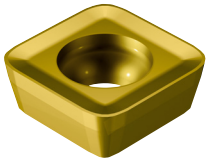
N9



N15

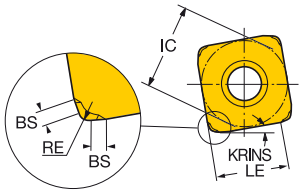
# Plaquita CoroMill® 210 para fresado

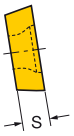
KRINS



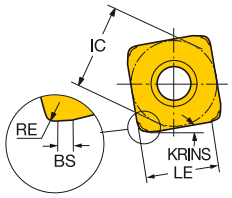


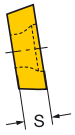

10°
R210..E-KM




10°
R210..M-PM




| | | | | | P | | | | M | | | K | | | N | S | | | H | | Dimensiones, mm | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | RE | Código de pedido | 1130 | 4220 | 4330 | 4340 | 1040 | 1130 | 2040 | 1020 | 3040 | 3330 | 1130 | 1130 | S30T | S40T | 1010 | 1130 | IC | LE | S | BS | BSR | REEQ |
| Medio | KM | 09 | 1.00 | R210-09 04 12M-KM | | | | | | | | ☆ | ☆ | ★ | | | | | | | 9.4 | 6.2 | 4.00 | 0.8 | | 2.50 |
| | | | 1.40 | R210-09 04 14E-KM | | | | | | | | ☆ | ☆ | ★ | | | | | | | 9.5 | 5.7 | 4.50 | 0.7 | 50.0 | 2.50 |
| | | 14 | 1.00 | R210-14 05 12M-KM | | | | | | | | ☆ | ☆ | ★ | | | | | | | 14.5 | 11.3 | 4.76 | 0.8 | | 3.50 |
| | | | 1.40 | R210-14 05 14E-KM | | | | | | | | ☆ | ☆ | ★ | | | | | | | 14.6 | 10.8 | 5.26 | 0.7 | 50.0 | 3.50 |
| | MM | 09 | 1.00 | R210-09 04 12M-MM | | | | | ★ | | ☆ | | | | | | | | | | 9.4 | 6.2 | 4.00 | 0.8 | | 2.50 |
| | | | 1.40 | R210-09 04 14E-MM | | | | | ★ | | ☆ | | | | | | | | | | 9.5 | 5.7 | 4.50 | 0.7 | 50.0 | 2.50 |
| | | 14 | 1.00 | R210-14 05 12M-MM | | | | | ★ | | ☆ | | | | | | | | | | 14.5 | 11.3 | 4.76 | 0.8 | | 3.50 |
| | | | 1.40 | R210-14 05 14E-MM | | | | | ★ | | ☆ | | | | | | | | | | 14.6 | 10.8 | 5.26 | 0.7 | 50.0 | 3.50 |
| | PM | 09 | 1.00 | R210-09 04 12M-PM | ★ | ☆ | ★ | ☆ | | ☆ | | | | | ☆ | ☆ | ★ | ☆ | ★ | ☆ | 9.4 | 6.2 | 4.00 | 0.8 | | 2.50 |
| | | | 1.40 | R210-09 04 14E-PM | ★ | ☆ | ★ | ☆ | | ☆ | | | | | | ☆ | ★ | ☆ | | | 9.5 | 5.7 | 4.50 | 0.7 | 50.0 | 2.50 |
| | | 14 | 1.00 | R210-14 05 12M-PM | ★ | ☆ | ★ | ☆ | | ☆ | | | | | ☆ | ☆ | ★ | ☆ | ★ | ☆ | 14.5 | 11.3 | 4.76 | 0.8 | | 3.50 |
| | | | 1.40 | R210-14 05 14E-PM | ★ | ☆ | ★ | ☆ | | ☆ | | | | | ☆ | ☆ | ★ | ☆ | ★ | ☆ | 14.6 | 10.8 | 5.26 | 0.7 | 50.0 | 3.50 |

I33 I154 I175 N23 N10



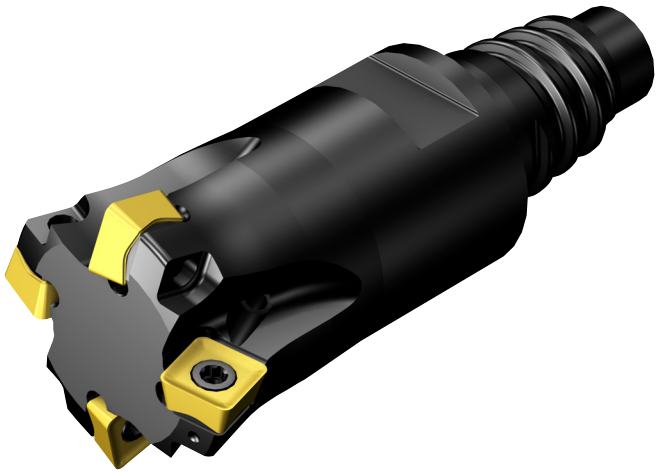
SANDVIK Coromant

# CoroMill® 415

## Fresa de planear de alto avance de menor diámetro

### Aplicación

- Planeado de alto avance
- Fresado en plunge
- Mecanizado en rampa
- Desbaste y semiacabado
- Interpolación helicoidal
- Perfilado



### Área de aplicación ISO:

P M S H

### Ventajas y características

- Herramienta versátil indicada para una amplia gama de aplicaciones
- Canales de refrigerante para una evacuación de la viruta optimizada
- Puede combinarse con el acoplamiento Coromant EH y los adaptadores antivibratorios Silent Tools™ para un mecanizado sin vibraciones, alta fiabilidad y gran aumento de la productividad
- Exclusivo sistema de bloqueo iLock™ de precisión que resulta en menos piezas desechadas. Además, el asiento iLock™ también facilita la manipulación de las plaquitas pequeñas.
- Disponibilidad de opciones Tailor made

www.sandvik.coromant.com/coromill415

### Acoplamientos

- Mango cilíndrico
- Coromant EH
- Acoplamiento roscado

### Plaquitas

- Cuatro filos de corte
- La exclusiva solución iLock™ proporciona un cambio de la plaquita sencillo y preciso, una mayor fiabilidad y una vida útil considerablemente optimizada

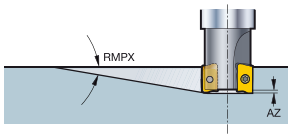
I38 I41

# Fresa de planear CoroMill® 415

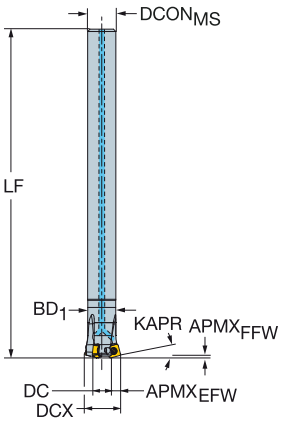
**Mango cilíndrico - Suministro de refrigerante interior**

**Herramienta de fresado de alto avance**






KAPR 15°




| DC | | CZCMS | APMXEFW | APMXFFW | RMPX | CNSC | | Código de pedido | Dimensiones, mm DCONMS | DCX | BD | LB | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4.6 | 05 | 12 | 3.0 | 0.85 | 0.85° | 1 | 2 | **415-013A12-05H** | 12.0 | 13.0 | 11.0 | 15.0 | 140.0 | 0.6 | 0.16 | 23600 | 2 | 415N-050206M |
| 7.6 | 05 | 12 | 3.0 | 0.85 | 0.97° | 1 | 3 | **415-016A12-05H** | 12.0 | 16.0 | 12.0 | 15.0 | 140.0 | 0.6 | 0.16 | 21300 | 3 | 415N-050206M |
| 11.6 | 05 | 16 | 3.0 | 0.85 | 0.62° | 1 | 3 | **415-020A16-05L** | 16.0 | 20.0 | 16.0 | 15.0 | 200.0 | 0.6 | 0.37 | 19000 | 3 | 415N-050206M |
| | 05 | 16 | 3.0 | 0.85 | 0.62° | 1 | 4 | **415-020A16-05M** | 16.0 | 20.0 | 16.0 | 15.0 | 200.0 | 0.6 | 0.33 | 19000 | 4 | 415N-050206M |
| | 05 | 16 | 3.0 | 0.85 | 0.62° | 1 | 5 | **415-020A16-05H** | 16.0 | 20.0 | 16.0 | 15.0 | 200.0 | 0.6 | 0.27 | 19000 | 5 | 415N-050206M |
| 13.5 | 07 | 20 | 4.5 | 1.20 | 0.61° | 1 | 4 | **415-025A20-07H** | 20.0 | 25.0 | 19.0 | 15.0 | 200.0 | 1.2 | 0.50 | 15700 | 4 | 415N-070310M |
| 16.6 | 05 | 20 | 3.0 | 0.85 | 0.64° | 1 | 5 | **415-025A20-05M** | 20.0 | 25.0 | 21.0 | 15.0 | 200.0 | 0.6 | 0.50 | 17000 | 5 | 415N-050206M |
| 20.5 | 07 | 25 | 4.5 | 1.20 | 0.63° | 1 | 5 | **415-032A25-07H** | 25.0 | 32.0 | 26.0 | 15.0 | 250.0 | 1.2 | 0.95 | 13900 | 5 | 415N-070310M |

| | Piezas de repuesto |
|---|---|
| | Tornillo de plaquita |
| 05 | 5513 020-28 |
| 07 | 5513 020-56 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I41 L2 N23 N9 N15

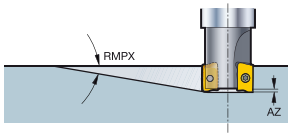
SPA

# Fresa de planear CoroMill® 415

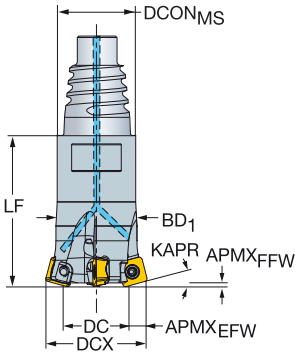
**Coromant EH - Suministro de refrigerante interior**

**Herramienta de fresado de alto avance**






KAPR 15°




| | | | | | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DC | | $CZC_{MS}$ | $APMX_{EFW}$ | $APMX_{FFW}$ | RMPX | CNSC | | Código de pedido | $DCON_{MS}$ | DCX | BD | LB | LF | NM | KG | RPMX | CICT | MIID |
| 4.6 | 05 | E12 | 3.0 | 0.85 | 0.85° | 1 | 2 | 415-13EH12-05H | 11.7 | 13.0 | 11.0 | 10.0 | 25.0 | 0.6 | 0.14 | 23600 | 2 | 415N-050206M |
| 7.6 | 05 | E16 | 3.0 | 0.85 | 0.97° | 1 | 3 | 415-16EH16-05H | 15.5 | 16.0 | 12.0 | 12.0 | 30.0 | 0.6 | 0.06 | 21300 | 3 | 415N-050206M |
| 8.6 | 07 | E16 | 4.5 | 1.20 | 0.56° | 1 | 2 | 415-20EH16-07H | 15.5 | 20.0 | 14.0 | 12.0 | 35.0 | 1.2 | 0.17 | 17500 | 2 | 415N-070310M |
| | 07 | E20 | 4.5 | 1.20 | 0.56° | 1 | 2 | 415-20EH20-07H | 19.3 | 20.0 | 14.0 | 15.0 | 35.0 | 1.2 | 0.13 | 17500 | 2 | 415N-070310M |
| 11.6 | 05 | E16 | 3.0 | 0.85 | 0.62° | 1 | 4 | 415-20EH16-05M | 15.5 | 20.0 | 16.0 | 12.0 | 30.0 | 0.6 | 0.05 | 19000 | 4 | 415N-050206M |
| | 05 | E20 | 3.0 | 0.85 | 0.62° | 1 | 4 | 415-20EH20-05M | 19.3 | 20.0 | 16.0 | 13.0 | 32.0 | 0.6 | 0.07 | 19000 | 4 | 415N-050206M |
| | 05 | E16 | 3.0 | 0.85 | 0.62° | 1 | 5 | 415-20EH16-05H | 15.5 | 20.0 | 16.0 | 12.0 | 30.0 | 0.6 | 0.16 | 19000 | 5 | 415N-050206M |
| | 05 | E20 | 3.0 | 0.85 | 0.62° | 1 | 5 | 415-20EH20-05H | 19.3 | 20.0 | 16.0 | 13.0 | 32.0 | 0.6 | 0.19 | 19000 | 5 | 415N-050206M |
| 13.5 | 07 | E20 | 4.5 | 1.20 | 0.61° | 1 | 3 | 415-25EH20-07M | 19.3 | 25.0 | 19.0 | 15.0 | 35.0 | 1.2 | 0.08 | 15700 | 3 | 415N-070310M |
| | 07 | E25 | 4.5 | 1.20 | 0.61° | 1 | 3 | 415-25EH25-07M | 24.2 | 25.0 | 19.0 | 18.0 | 40.0 | 1.2 | 0.12 | 15700 | 3 | 415N-070310M |
| | 07 | E20 | 4.5 | 1.20 | 0.61° | 1 | 4 | 415-25EH20-07H | 19.3 | 25.0 | 19.0 | 15.0 | 35.0 | 1.2 | 0.20 | 15700 | 4 | 415N-070310M |
| | 07 | E25 | 4.5 | 1.20 | 0.61° | 1 | 4 | 415-25EH25-07H | 24.2 | 25.0 | 19.0 | 18.0 | 40.0 | 1.2 | 0.18 | 15700 | 4 | 415N-070310M |
| 16.6 | 05 | E20 | 3.0 | 0.85 | 0.64° | 1 | 5 | 415-25EH20-05M | 19.3 | 25.0 | 21.0 | 13.0 | 32.0 | 0.6 | 0.08 | 17000 | 5 | 415N-050206M |
| | 05 | E25 | 3.0 | 0.85 | 0.64° | 1 | 5 | 415-25EH25-05M | 24.2 | 25.0 | 21.0 | 15.0 | 35.0 | 0.6 | 0.12 | 17000 | 5 | 415N-050206M |
| | 05 | E20 | 3.0 | 0.85 | 0.64° | 1 | 6 | 415-25EH20-05H | 19.3 | 25.0 | 21.0 | 13.0 | 32.0 | 0.6 | 0.20 | 17000 | 6 | 415N-050206M |
| | 05 | E25 | 3.0 | 0.85 | 0.64° | 1 | 6 | 415-25EH25-05H | 24.2 | 25.0 | 21.0 | 15.0 | 35.0 | 0.6 | 0.24 | 17000 | 6 | 415N-050206M |
| 20.5 | 07 | E25 | 4.5 | 1.20 | 0.63° | 1 | 4 | 415-32EH25-07M | 24.2 | 32.0 | 26.0 | 18.0 | 40.0 | 1.2 | 0.19 | 13900 | 4 | 415N-070310M |
| | 07 | E25 | 4.5 | 1.20 | 0.63° | 1 | 5 | 415-32EH25-07H | 24.2 | 32.0 | 26.0 | 18.0 | 40.0 | 1.2 | 0.16 | 13900 | 5 | 415N-070310M |
| 23.6 | 05 | E25 | 3.0 | 0.85 | 0.65° | 1 | 7 | 415-32EH25-05H | 24.2 | 32.0 | 28.0 | 15.0 | 35.0 | 0.6 | 0.16 | 15000 | 7 | 415N-050206M |

| | Piezas de repuesto |
|---|---|
| | Tornillo de plaquita |
| 05 | 5513 020-28 |
| 07 | 5513 020-56 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

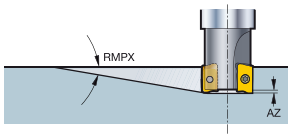
I41 L2 N23 N9 N15 N3

# Fresa de planear CoroMill® 415

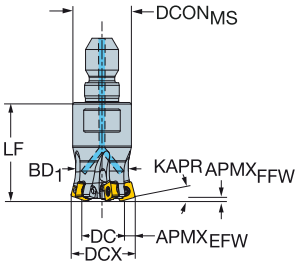
**Acoplamiento roscado - Suministro de refrigerante interior**

**Herramienta de fresado de alto avance**






KAPR 15°




| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | CNSC | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCX | BD | LB | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4.6 | 05 | M8 | 3.0 | 0.85 | 0.85° | 1 | 2 | **415-13T08-05H** | 12.8 | 13.0 | 11.0 | 10.0 | 25.0 | 0.6 | 0.02 | 23600 | 2 | 415N-050206M |
| 7.6 | 05 | M8 | 3.0 | 0.85 | 0.97° | 1 | 3 | **415-16T08-05H** | 12.8 | 16.0 | 12.0 | 10.0 | 25.0 | 0.6 | 0.03 | 21300 | 3 | 415N-050206M |
| 11.6 | 05 | M10 | 3.0 | 0.85 | 0.62° | 1 | 5 | **415-20T10-05H** | 17.8 | 20.0 | 16.0 | 12.0 | 30.0 | 0.6 | 0.05 | 19000 | 5 | 415N-050206M |
| 13.5 | 07 | M12 | 4.5 | 1.20 | 0.61° | 1 | 4 | **415-25T12-07H** | 20.8 | 25.0 | 19.0 | 15.0 | 38.0 | 1.2 | 0.09 | 15700 | 4 | 415N-070310M |
| 16.6 | 05 | M12 | 3.0 | 0.85 | 0.64° | 1 | 6 | **415-25T12-05H** | 20.8 | 25.0 | 21.0 | 15.0 | 35.0 | 0.6 | 0.10 | 17000 | 6 | 415N-050206M |
| 20.5 | 07 | M16 | 4.5 | 1.20 | 0.63° | 1 | 5 | **415-32T16-07H** | 28.8 | 32.0 | 26.0 | 15.0 | 40.0 | 1.2 | 0.19 | 13900 | 5 | 415N-070310M |

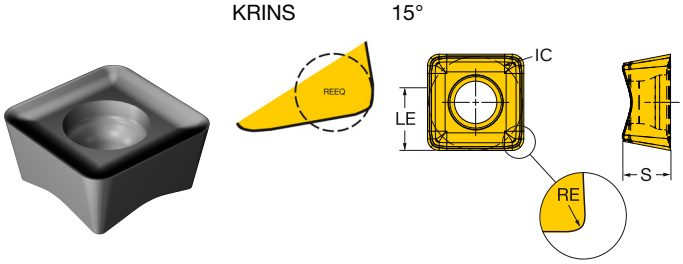
| | Piezas de repuesto |
|---|---|
| | Tornillo de plaquita |
| 05 | 5513 020-28 |
| 07 | 5513 020-56 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I41 N23 N9 N15

SPA

# Plaquita CoroMill® 415 para fresado




| | | | | | P | | M | | S | | | | H | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | RE | Código de pedido | 1130 | 4340 | 1040 | 1130 | 1130 | H13A | S30T | S40T | 1010 | 1130 | IC | LE | S | REEQ |
| Medio | M30 | 05 | 0.60 | 415N-05 02 06M-M30 | ★ | ☆ | ★ | ☆ | ☆ | ☆ | ★ | ☆ | ★ | ☆ | 5.0 | 3.8 | 2.21 | 1.50 |
| | | 05 | 1.20 | 415N-05 02 12E-M30 | ★ | | ★ | | ☆ | | ★ | ☆ | | ☆ | 5.0 | 3.0 | 2.21 | 2.00 |
| | | 05 | 1.20 | 415N-05 02 12M-M30 | ★ | | ★ | ☆ | ☆ | | ★ | ☆ | ★ | ☆ | 5.0 | 3.0 | 2.21 | 2.00 |
| | | 07 | 1.00 | 415N-07 03 10M-M30 | ★ | ☆ | ★ | ☆ | ☆ | ☆ | ★ | ☆ | ★ | ☆ | 7.0 | 5.0 | 3.07 | 2.20 |
| | | 07 | 2.00 | 415N-07 03 20E-M30 | ★ | | ★ | | ☆ | | ★ | ☆ | | ☆ | 7.0 | 3.0 | 3.07 | 2.20 |
| | | 07 | 2.00 | 415N-07 03 20M-M30 | ★ | | ★ | ☆ | ☆ | | ★ | ☆ | ★ | ☆ | 7.0 | 3.0 | 3.07 | 2.80 |

415N-05 02 12M-M30 incrementa el DC 1.0 mm y reduce el DCX 0.26 mm y la LF 0.13 mm415N-07 03 20M-M30 incrementa el DC 1.7 mm y reduce el DCX 0.44 mm y la LF 0.22 mm(Frente al uso de la herramienta con MIID)

I38 I154 I175 N23 N10

# CoroMill® 745

## Conceptos de fresado de alto avance y planeado multifilo

### Aplicación

- Planeado
- Desbaste y semiacabado
- Fresado de alto avance

### Área de aplicación ISO:

P K

### Ventajas y características

- Concepto multifilo indicado para producciones de lotes grandes, líneas de transmisión flexibles y cuando el aprovechamiento de la máquina es importante
- CoroMill 745 con ángulo de posición de 42° se usa en aplicaciones ISO P, K, M y S donde la APMX es 5.2 mm
- La fresa de alto avance CoroMill 745 con ángulo de posición de 25° se usa como impulsor de la productividad en aplicaciones ISO P e ISO K donde la APMX es 2.8 mm
- Resuelve los problemas habituales al mecanizar componentes con tendencia a la vibración y en reglajes débiles con el exclusivo paso diferencial MD



**Fresa de planear CoroMill® 745** Consulte la página I17

**Fresa de planeado de alto avance CoroMill® 745** Consulte la página I43

www.sandvik.coromant.com/coromill745

### Acoplamientos

- Coromant Capto®
- En eje

### Plaquitas

- 14 filos
- El seguro asiento de la punta y la plaquita grande y robusta, con geometrías de corte ligero resistentes, están diseñados para ofrecer un mecanizado fiable y predecible.

### Una tecnología revolucionaria

Disponible con ángulo de posición de 42° para mayores profundidades de corte y como versión de alto avance con ángulo de posición de 25° para un régimen de arranque de viruta incluso mayor. Las mismas plaquitas pueden usarse en ambas fresas.





### Paso diferencial MD

El exclusivo paso diferencial MD es la primera elección en operaciones de desbaste que requieren una acción de corte ligera como, por ejemplo, los reglajes débiles con tendencia a la vibración. Es perfecto para resolver los problemas de vibración que limitan la producción. La longitud y el peso del cuerpo de la fresa han sido reducidos para impulsar el rendimiento en aplicaciones de baja productividad. La fresa tiene un diseño de paso diferencial algorítmico y el posicionamiento de la plaquita se compensa radialmente para producir una carga de viruta homogénea en cada plaquita.

I43 I45

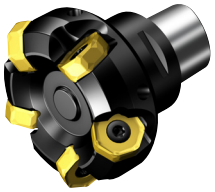
SPA

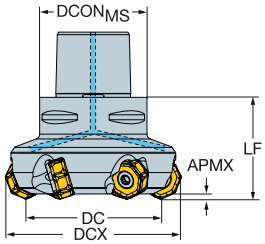
# Fresa de planear CoroMill® 745

**Coromant Capto® - Suministro de refrigerante interior**

**Herramienta de fresado de alto avance**

KAPR 25°






| DC | | CZC$_{MS}$ | APMX$_{FFW}$ | CNSC | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCX | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 63.0 | 21 | C5 | 2.80 | 3 | 5 | **725-063C5-21M** | 50.0 | 86.4 | 60.0 | 12.0 | 1.30 | 5894 | 5 | 745R-2109 |
| | 21 | C6 | 2.80 | 3 | 5 | **725-063C6-21M** | 63.0 | 86.4 | 60.0 | 12.0 | 1.70 | 5894 | 5 | 745R-2109 |
| | 21 | C5 | 2.80 | 3 | 7 | **725-063C5-21H** | 50.0 | 86.4 | 60.0 | 12.0 | 1.20 | 5894 | 7 | 745R-2109 |
| | 21 | C6 | 2.80 | 3 | 7 | **725-063C6-21H** | 63.0 | 86.4 | 60.0 | 12.0 | 1.60 | 5894 | 7 | 745R-2109 |
| 80.0 | 21 | C6 | 2.80 | 3 | 5 | **725-080C6-21M** | 63.0 | 103.4 | 65.0 | 12.0 | 2.06 | 5324 | 5 | 745R-2109 |
| | 21 | C8 | 2.80 | 3 | 6 | **725-080C8-21M** | 80.0 | 103.4 | 65.0 | 12.0 | 3.04 | 5324 | 6 | 745R-2109 |
| | 21 | C6 | 2.80 | 3 | 9 | **725-080C6-21H** | 63.0 | 103.4 | 65.0 | 12.0 | 1.93 | 5324 | 9 | 745R-2109 |
| | 21 | C8 | 2.80 | 3 | 9 | **725-080C8-21H** | 80.0 | 103.4 | 65.0 | 12.0 | 2.91 | 5324 | 9 | 745R-2109 |
| 100.0 | 21 | C8 | 2.80 | 3 | 7 | **725-100C8-21M** | 80.0 | 123.4 | 65.0 | 12.0 | 3.67 | 4765 | 7 | 745R-2109 |
| | 21 | C8 | 2.80 | 3 | 11 | **725-100C8-21H** | 80.0 | 123.4 | 65.0 | 12.0 | 3.49 | 4765 | 11 | 745R-2109 |

| Piezas de repuesto |
|---|
| Tornillo de plaquita |
| 5513 020-80 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

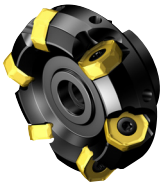
I45 L2 N23 N9 N15

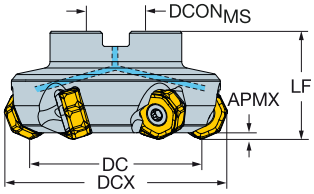
# Fresa de planear CoroMill® 745

**Eje - Suministro de refrigerante interior**

**Herramienta de fresado de alto avance**

STDNO ISO 6462
KAPR 25°






| DC | | CZC$_{MS}$ | APMX$_{FFW}$ | CNSC | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ISO | DCX | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 63.0 | 21 | 22 | 2.80 | 3 | 5 | **725-063Q22-21M** | 22.0 | A | 86.4 | 50.0 | 12.0 | 0.90 | 5894 | 5 | 745R-2109 |
| | 21 | 22 | 2.80 | 3 | 7 | **725-063Q22-21H** | 22.0 | A | 86.4 | 50.0 | 12.0 | 0.81 | 5894 | 7 | 745R-2109 |
| 80.0 | 21 | 27 | 2.80 | 3 | 6 | **725-080Q27-21M** | 27.0 | A | 103.4 | 50.0 | 12.0 | 1.36 | 5324 | 6 | 745R-2109 |
| | 21 | 27 | 2.80 | 3 | 9 | **725-080Q27-21H** | 27.0 | A | 103.4 | 50.0 | 12.0 | 1.23 | 5324 | 9 | 745R-2109 |
| 100.0 | 21 | 32 | 2.80 | 3 | 7 | **725-100Q32-21M** | 32.0 | A | 123.4 | 50.0 | 12.0 | 2.33 | 4765 | 7 | 745R-2109 |
| | 21 | 32 | 2.80 | 3 | 11 | **725-100Q32-21H** | 32.0 | A | 123.4 | 50.0 | 12.0 | 2.18 | 4765 | 11 | 745R-2109 |
| 125.0 | 21 | 40 | 2.80 | 3 | 8 | **725-125Q40-21M** | 40.0 | B | 148.4 | 63.0 | 12.0 | 3.97 | 4216 | 8 | 745R-2109 |
| | 21 | 40 | 2.80 | 3 | 14 | **725-125Q40-21H** | 40.0 | B | 148.4 | 63.0 | 12.0 | 3.17 | 4216 | 14 | 745R-2109 |
| 160.0 | 21 | 40 | 2.80 | 3 | 10 | **725-160Q40-21M** | 40.0 | B | 183.4 | 63.0 | 12.0 | 4.86 | 3675 | 10 | 745R-2109 |
| | 21 | 40 | 2.80 | 3 | 16 | **725-160Q40-21H** | 40.0 | B | 183.4 | 63.0 | 12.0 | 5.31 | 3675 | 16 | 745R-2109 |

| | Piezas de repuesto | |
|---|---|---|
| DC | Tornillo de chorro | Tornillo de plaquita |
| 63.00 | 5512 073-01 | 5513 020-80 |
| 80.00 | 5512 073-02 | 5513 020-80 |
| 100.00 | 5512 073-05 | 5513 020-80 |
| 125.00-160.00 | 5512 098-03 | 5513 020-80 |
| 250.00 | - | 5513 020-80 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

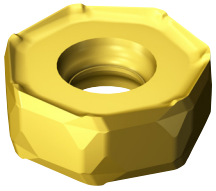
I45 L2 M1 N23 N9 N15



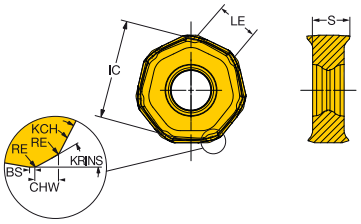
SANDVIK Coromant

SPA

# Plaquita CoroMill® 745 para fresado



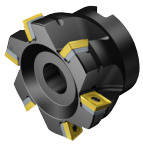
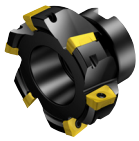
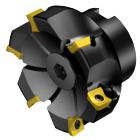
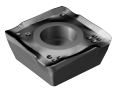
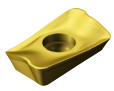
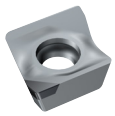
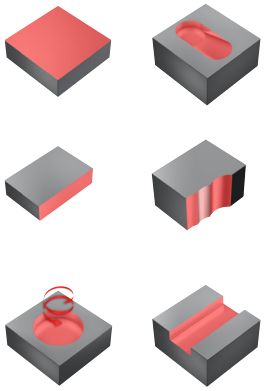
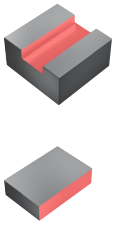
KRINS 42°




| | | | RE | KCH | CHW | Código de pedido | P 1130 | P 4220 | P 4230 | P 4240 | K 1020 | K 3040 | K K20D | K K20W | IC | LE | S | BS | BSR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Dimensiones, mm | | | | | | | | | | | | |
| Medio | M30 | 21 | 1.00 | 17° | 1.3 | 745R-2109E-M30 | ★ | ☆ | ★ | ☆ | ★ | ☆ | ☆ | ☆ | 21.0 | 8.9 | 9.00 | 0.3 | 25.0 |
| Medio | M50 | 21 | 1.00 | 17° | 1.3 | 745L-2109E-M50 | | | ★ | | | | ☆ | ☆ | 21.0 | 8.5 | 9.00 | 0.3 | 25.0 |
| Medio | M50 | | 1.00 | 17° | 1.3 | 745R-2109E-M50 | ★ | ☆ | ★ | ☆ | | ★ | ☆ | ☆ | 21.0 | 8.9 | 9.00 | 0.3 | 25.0 |
| Pesado | H50 | 21 | 1.00 | 17° | 1.3 | 745R-2109E-H50 | | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | 21.0 | 8.9 | 9.00 | 0.3 | 25.0 |

I43 I154 I175 N23 N10

# Herramientas de fresado en escuadra

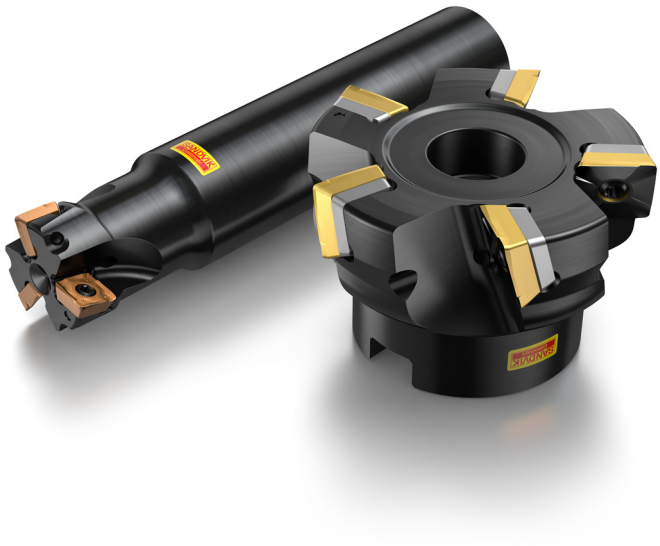
| | CoroMill® 490 | CoroMill® 390 | CoroMill® 690 | CoroMill® Century |
|---|---|---|---|---|
| |  |  |  |  |
| Página | I47 | I57 | I79 | I83 |
| Material | P M K N S H | P M K N S H | S | P M K N S H |
| Operación principal |  |  |  |  |
| KAPR | 90° | 90° | 90° | 90° |
| $D_c$ mm | 20 - 250 | 9.7 - 200 | 40 - 100 | 40 - 200 |
| APMX mm | 5.5 - 10.0 | 5.8 - 85 | 46 - 108 | 11 |
| Plaquita |  |  |  |  |
| Tamaños de plaquita | 8 & 14 | 07,11,17 & 18 | 10 & 14 | 11 |
| Acoplamientos | Coromant Capto®<br>Coromant EH<br>Mango cilíndrico<br>Weldon<br>HSK<br>En eje | Coromant Capto®<br>Coromant EH<br>Mango cilíndrico<br>En eje<br>Weldon<br>Acoplamiento roscado | Coromant Capto®<br>HSK<br>En eje | Coromant Capto®<br>HSK<br>En eje |
| Refrigerante interior | ✓ | ✓ | ✓ | ✓ |
| Opciones | | Disponibilidad de cuerpos de fresa antivibratorios | | Diseño de cartucho intercambiable |
| Otras operaciones |  |  |  |  |

# CoroMill® 490

## Fresa de planear y escuadrar para perfiles de precisión

### Aplicación

- Escuadrado
- Fresado en escuadra repetido
- Interpolación circular
- Planeado



### Área de aplicación ISO:

P M K N S H

### Ventajas y características

- Gran versatilidad, alta precisión y buenas tolerancias
- Corte ligero y silencioso con fuerzas de corte reducidas
- Gran productividad con una excelente geometría de la plaquita y calidades
- Filos agudos, sin rebabas, y perfiles uniformes
- Características de pieza acabadas en una sola pasada
- Corte efectivo de 90° sin escalones pronunciados
- Rendimiento de corte ligero que se traduce en una utilización óptima de las máquinas-herramientas de baja potencia. Esta característica facilita asimismo la utilización de la fresa en conjuntos de herramientas ampliados
- Los mangos subdimensionados para fresas de gran diámetro, que utilizan plaquitas de 8 mm, hacen que estas fresas sean compatibles con portaherramientas de menor tamaño
- Las versiones sobredimensionadas optimizan la accesibilidad y proporcionan una incidencia natural para fijaciones estrechas

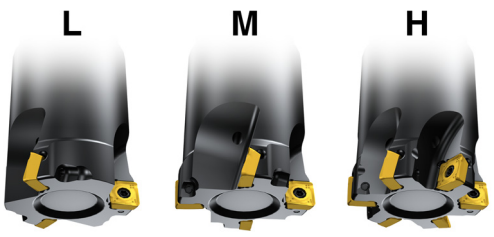
www.sandvik.coromant.com/coromill490

### Acoplamientos

- Coromant Capto®
- En eje
- Mango cilíndrico
- Weldon
- Coromant EH
- HSK
- Mangos subdimensionados para fresas cilíndricas
- Versiones sobredimensionadas disponibles en eje, fresas Coromant Capto® y Coromant EH

### Plaquitas

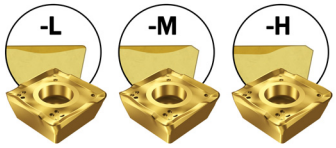
- Cuatro filos de corte
- Calidades de metal duro, CBN y cerámica




Paso amplio | Paso estrecho | Paso extra estrecho

### Precisión

Los filos de la plaquita sobresalen ligeramente para compensar la flexión. Gracias a esta geometría, durante el fresado en escuadra, se minimiza la distorsión angular y no se producen pasos perceptibles entre cada una de las pasadas repetidas.



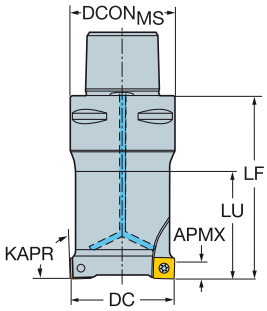

I48 I55 N6

# Fresa de escuadrar CoroMill® 490

**Coromant Capto® - Suministro de refrigerante interior**

KAPR 90°






| DC | | CZC$_{MS}$ | APMX$_{FFW}$ | CNSC | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | LB | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.0 | 08 | C3 | 5.50 | 3 | 2 | 490-020C3-08L | 32.0 | 40.0 | 80.0 | 40.0 | 1.2 | 0.37 | 48500 | 2 | 490R-08T308 |
| | 08 | C4 | 5.50 | 3 | 2 | 490-020C4-08L | 40.0 | 40.0 | 70.0 | 40.0 | 1.2 | 0.62 | 39000 | 2 | 490R-08T308 |
| 25.0 | 08 | C3 | 5.50 | 3 | 3 | 490-025C3-08M | 32.0 | 60.0 | 80.0 | 60.0 | 1.2 | 0.39 | 40400 | 3 | 490R-08T308 |
| | 08 | C4 | 5.50 | 3 | 3 | 490-025C4-08M | 40.0 | 45.0 | 70.0 | 45.0 | 1.2 | 0.43 | 39000 | 3 | 490R-08T308 |
| | 08 | C5 | 5.50 | 3 | 3 | 490-025C5-08M | 50.0 | 50.0 | 75.0 | 50.0 | 1.2 | 0.85 | 28000 | 3 | 490R-08T308 |
| | 08 | C6 | 5.50 | 3 | 3 | 490-025C6-08M | 63.0 | 53.0 | 80.0 | 53.0 | 1.2 | 1.41 | 20000 | 3 | 490R-08T308 |
| 32.0 | 08 | C3 | 5.50 | 3 | 4 | 490-032C3-08M | 32.0 | 60.0 | 80.0 | 60.0 | 1.2 | 0.50 | 33900 | 4 | 490R-08T308 |
| | 08 | C4 | 5.50 | 3 | 4 | 490-032C4-08M | 40.0 | 45.0 | 70.0 | 45.0 | 1.2 | 0.75 | 33900 | 4 | 490R-08T308 |
| | 08 | C5 | 5.50 | 3 | 4 | 490-032C5-08M | 50.0 | 50.0 | 75.0 | 50.0 | 1.2 | 0.90 | 28000 | 4 | 490R-08T308 |
| | 08 | C6 | 5.50 | 3 | 4 | 490-032C6-08M | 63.0 | 53.0 | 80.0 | 53.0 | 1.2 | 1.44 | 20000 | 4 | 490R-08T308 |
| 36.0 | 08 | C3 | 5.50 | 3 | 4 | 490-036C3-08M | 32.0 | 30.0 | 50.0 | 30.0 | 1.2 | 0.55 | 31300 | 4 | 490R-08T308 |
| 40.0 | 08 | C4 | 5.50 | 3 | 4 | 490-040C4-08M | 40.0 | 45.0 | 70.0 | 45.0 | 1.2 | 0.82 | 29300 | 4 | 490R-08T308 |
| | 08 | C5 | 5.50 | 3 | 4 | 490-040C5-08M | 50.0 | 50.0 | 75.0 | 50.0 | 1.2 | 1.09 | 28000 | 4 | 490R-08T308 |
| | 08 | C4 | 5.50 | 3 | 6 | 490-040C4-08H | 40.0 | 45.0 | 70.0 | 45.0 | 1.2 | 0.88 | 29300 | 6 | 490R-08T308 |
| | 08 | C5 | 5.50 | 3 | 6 | 490-040C5-08H | 50.0 | 50.0 | 75.0 | 50.0 | 1.2 | 1.10 | 28000 | 6 | 490R-08T308 |
| | 08 | C6 | 5.50 | 3 | 6 | 490-040C6-08H | 63.0 | 53.0 | 80.0 | 53.0 | 1.2 | 1.62 | 20000 | 6 | 490R-08T308 |
| | 14 | C4 | 10.00 | 3 | 3 | 490-040C4-14M | 40.0 | 45.0 | 70.0 | 45.0 | 3.0 | 0.82 | 26400 | 3 | 490R-1404 |
| | 14 | C5 | 10.00 | 3 | 3 | 490-040C5-14M | 50.0 | 50.0 | 75.0 | 50.0 | 3.0 | 1.02 | 26400 | 3 | 490R-1404 |
| | 14 | C6 | 10.00 | 3 | 3 | 490-040C6-14M | 63.0 | 53.0 | 80.0 | 53.0 | 3.0 | 1.56 | 20000 | 3 | 490R-1404 |
| | 14 | C4 | 10.00 | 3 | 4 | 490-040C4-14H | 40.0 | 70.0 | 70.0 | 45.0 | 3.0 | 0.82 | 26400 | 4 | 490R-1404 |
| | 14 | C5 | 10.00 | 3 | 4 | 490-040C5-14H | 50.0 | 50.0 | 75.0 | 50.0 | 3.0 | 1.03 | 26400 | 4 | 490R-1404 |
| | 14 | C6 | 10.00 | 3 | 4 | 490-040C6-14H | 63.0 | 53.0 | 80.0 | 53.0 | 3.0 | 1.52 | 20000 | 4 | 490R-1404 |
| 44.0 | 08 | C4 | 5.50 | 3 | 5 | 490-044C4-08M | 40.0 | 40.0 | 60.0 | | 1.2 | 0.83 | 27600 | 5 | 490R-08T308 |
| | 08 | C4 | 5.50 | 3 | 6 | 490-044C4-08H | 40.0 | 40.0 | 60.0 | | 1.2 | 0.79 | 27600 | 6 | 490R-08T308 |
| | 14 | C4 | 10.00 | 3 | 3 | 490-044C4-14M | 40.0 | 45.0 | 70.0 | | 3.0 | 0.89 | 24600 | 3 | 490R-1404 |
| | 14 | C4 | 10.00 | 3 | 4 | 490-044C4-14H | 40.0 | 70.0 | 70.0 | | 3.0 | 0.89 | 24600 | 4 | 490R-1404 |
| 50.0 | 08 | C5 | 5.50 | 3 | 5 | 490-050C5-08M | 50.0 | 50.0 | 75.0 | 50.0 | 1.2 | 1.28 | 25500 | 5 | 490R-08T308 |
| | 08 | C6 | 5.50 | 3 | 5 | 490-050C6-08M | 63.0 | 53.0 | 80.0 | 53.0 | 1.2 | 1.84 | 20000 | 5 | 490R-08T308 |
| | 08 | C5 | 5.50 | 3 | 7 | 490-050C5-08H | 50.0 | 50.0 | 75.0 | 50.0 | 1.2 | 1.26 | 25500 | 7 | 490R-08T308 |
| | 08 | C6 | 5.50 | 3 | 7 | 490-050C6-08H | 63.0 | 53.0 | 80.0 | 53.0 | 1.2 | 1.86 | 20000 | 7 | 490R-08T308 |
| | 14 | C5 | 10.00 | 3 | 4 | 490-050C5-14M | 50.0 | 53.0 | 75.0 | 50.0 | 3.0 | 1.26 | 13700 | 4 | 490R-1404 |
| | 14 | C6 | 10.00 | 3 | 4 | 490-050C6-14M | 63.0 | 53.0 | 80.0 | 53.0 | 3.0 | 1.80 | 13700 | 4 | 490R-1404 |
| | 14 | C5 | 10.00 | 3 | 5 | 490-050C5-14H | 50.0 | 50.0 | 75.0 | 50.0 | 3.0 | 1.23 | 22400 | 5 | 490R-1404 |
| | 14 | C6 | 10.00 | 3 | 5 | 490-050C6-14H | 63.0 | 53.0 | 80.0 | 53.0 | 3.0 | 1.75 | 20000 | 5 | 490R-1404 |
| 54.0 | 08 | C5 | 5.50 | 3 | 5 | 490-054C5-08M | 50.0 | 40.0 | 60.0 | | 1.2 | 1.34 | 24300 | 5 | 490R-08T308 |
| | 08 | C5 | 5.50 | 3 | 7 | 490-054C5-08H | 50.0 | 40.0 | 60.0 | | 1.2 | 1.34 | 24300 | 7 | 490R-08T308 |
| | 14 | C5 | 10.00 | 3 | 4 | 490-054C5-14M | 50.0 | 60.0 | 60.0 | | 3.0 | 1.31 | 13000 | 4 | 490R-1404 |
| | 14 | C5 | 10.00 | 3 | 5 | 490-054C5-14H | 50.0 | 60.0 | 60.0 | | 3.0 | 1.26 | 21300 | 5 | 490R-1404 |
| 63.0 | 08 | C6 | 5.50 | 3 | 6 | 490-063C6-08M | 63.0 | 23.0 | 50.0 | 23.0 | 1.2 | 1.69 | 20000 | 6 | 490R-08T308 |
| | 08 | C6 | 5.50 | 3 | 8 | 490-063C6-08H | 63.0 | 23.0 | 50.0 | 23.0 | 1.2 | 1.67 | 20000 | 8 | 490R-08T308 |
| | 14 | C6 | 10.00 | 3 | 5 | 490-063C6-14M | 63.0 | 53.0 | 80.0 | 53.0 | 3.0 | 2.18 | 11700 | 5 | 490R-1404 |
| | 14 | C6 | 10.00 | 3 | 6 | 490-063C6-14H | 63.0 | 53.0 | 80.0 | 53.0 | 3.0 | 2.16 | 11700 | 6 | 490R-1404 |
| 66.0 | 08 | C6 | 5.50 | 3 | 6 | 490-066C6-08M | 63.0 | 28.0 | 50.0 | | 1.2 | 1.70 | 20000 | 6 | 490R-08T308 |
| | 08 | C6 | 5.50 | 3 | 8 | 490-066C6-08H | 63.0 | 28.0 | 50.0 | | 1.2 | 1.72 | 20000 | 8 | 490R-08T308 |
| | 14 | C6 | 10.00 | 3 | 5 | 490-066C6-14M | 63.0 | 65.0 | 65.0 | | 3.0 | 1.93 | 11400 | 5 | 490R-1404 |
| | 14 | C6 | 10.00 | 3 | 6 | 490-066C6-14H | 63.0 | 65.0 | 65.0 | | 3.0 | 1.94 | 11400 | 6 | 490R-1404 |

I55 L2 N23 N6 N9 N15



SANDVIK Coromant

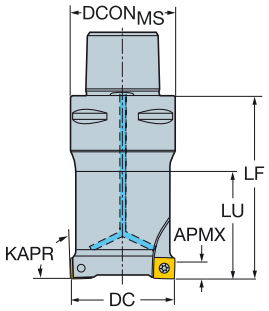
SPA

# Fresa de escuadrar CoroMill® 490

**Coromant Capto® - Suministro de refrigerante interior**

KAPR 90°






| DC | | CZC$_{MS}$ | APMX$_{FFW}$ | CNSC | | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | LB | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80.0 | 08 | C8 | 5.50 | 3 | | 8 | 490-080C8-08M | 80.0 | | 80.0 | 45.0 | 1.2 | 3.73 | 14000 | 8 | 490R-08T308 |
| | 08 | C8 | 5.50 | 3 | | 10 | 490-080C8-08H | 80.0 | | 80.0 | 45.0 | 1.2 | 3.76 | 14000 | 10 | 490R-08T308 |
| | 14 | C6 | 10.00 | 3 | | 6 | 490-080C6-14M | 63.0 | 65.0 | 65.0 | 65.0 | 3.0 | 2.33 | 10100 | 6 | 490R-1404 |
| | 14 | C8 | 10.00 | 3 | | 6 | 490-080C8-14M | 80.0 | | 80.0 | 45.0 | 3.0 | 3.59 | 10100 | 6 | 490R-1404 |
| | 14 | C6 | 10.00 | 3 | 8 | | 490-080C6-14H | 63.0 | 65.0 | 65.0 | 65.0 | 3.0 | 2.33 | 10100 | 8 | 490R-1404 |
| | 14 | C8 | 10.00 | 3 | 8 | | 490-080C8-14H | 80.0 | | 80.0 | 45.0 | 3.0 | 3.59 | 10100 | 8 | 490R-1404 |
| 84.0 | 08 | C8 | 5.50 | 3 | | 8 | 490-084C8-08M | 80.0 | | 60.0 | | 1.2 | 3.13 | 14000 | 8 | 490R-08T308 |
| | 08 | C8 | 5.50 | 3 | | 10 | 490-084C8-08H | 80.0 | | 60.0 | | 1.2 | 3.19 | 14000 | 10 | 490R-08T308 |
| | 14 | C8 | 10.00 | 3 | | 6 | 490-084C8-14M | 80.0 | | 70.0 | | 3.0 | 3.39 | 9800 | 6 | 490R-1404 |
| | 14 | C8 | 10.00 | 3 | 8 | | 490-084C8-14H | 80.0 | | 70.0 | | 3.0 | 3.39 | 9800 | 8 | 490R-1404 |

| | Piezas de repuesto | | |
|---|---|---|---|
| | Tornillo de plaquita | Placa de apoyo | Tornillo de la placa de apoyo |
| 08 | 5513 020-35 | | |
| 14 | 5513 020-72 | 5322 471-01 | 5512 090-01 |

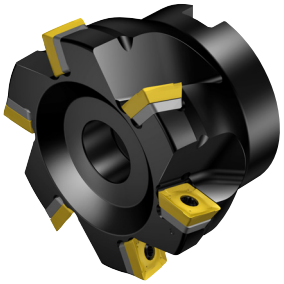
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

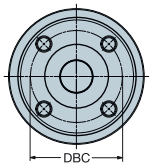
I55 L2 N23 N6 N9 N15

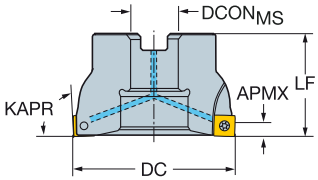
# Fresa de escuadrar CoroMill® 490

**Eje - Suministro de refrigerante interior**

STDNO ISO6462
KAPR 90°






| DC | | CZCMS | APMXFFW | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | ISO | DBC | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40.0 | 08 | 16 | 5.50 | 1 | | 4 | 490-040Q16-08M | 16.0 | A | | 40.0 | 1.2 | 0.46 | 29300 | 4 | 490R-08T308 |
| | 08 | 16 | 5.50 | 1 | 6 | | 490-040Q16-08H | 16.0 | A | | 40.0 | 1.2 | 0.23 | 29300 | 6 | 490R-08T308 |
| 44.0 | 08 | 16 | 5.50 | 1 | | 5 | 490-044Q16-08M | 16.0 | A | | 40.0 | 1.2 | 0.50 | 27600 | 5 | 490R-08T308 |
| 50.0 | 08 | 22 | 5.50 | 1 | | 4 | 490-050Q22-08L | 22.0 | A | | 40.0 | 1.2 | 0.66 | 25500 | 4 | 490R-08T308 |
| | 08 | 22 | 5.50 | 1 | | 5 | 490-050Q22-08M | 22.0 | A | | 40.0 | 1.2 | 0.48 | 25500 | 5 | 490R-08T308 |
| | 08 | 22 | 5.50 | 1 | 7 | | 490-050Q22-08H | 22.0 | A | | 40.0 | 1.2 | 0.37 | 25500 | 7 | 490R-08T308 |
| | 14 | 22 | 10.00 | 1 | | 4 | 490-050Q22-14M | 22.0 | A | | 40.0 | 3.0 | 0.38 | 13700 | 4 | 490R-1404 |
| | 14 | 22 | 10.00 | 1 | 5 | | 490-050Q22-14H | 22.0 | A | | 40.0 | 3.0 | 0.36 | 22400 | 5 | 490R-1404 |
| 54.0 | 08 | 22 | 5.50 | 1 | | 5 | 490-054Q22-08M | 22.0 | A | | 40.0 | 1.2 | 0.69 | 24300 | 5 | 490R-08T308 |
| | 14 | 22 | 10.00 | 1 | | 4 | 490-054Q22-14M | 22.0 | A | | 40.0 | 3.0 | 0.67 | 13000 | 4 | 490R-1404 |
| 63.0 | 08 | 22 | 5.50 | 1 | | 5 | 490-063Q22-08L | 22.0 | A | | 40.0 | 1.2 | 0.77 | 22200 | 5 | 490R-08T308 |
| | 08 | 22 | 5.50 | 1 | | 6 | 490-063Q22-08M | 22.0 | A | | 40.0 | 1.2 | 0.53 | 22200 | 6 | 490R-08T308 |
| | 08 | 22 | 5.50 | 1 | 8 | | 490-063Q22-08H | 22.0 | A | | 40.0 | 1.2 | 0.50 | 22200 | 8 | 490R-08T308 |
| | 14 | 22 | 10.00 | 1 | | 5 | 490-063Q22-14M | 22.0 | A | | 40.0 | 3.0 | 0.51 | 11700 | 5 | 490R-1404 |
| | 14 | 22 | 10.00 | 1 | 6 | | 490-063Q22-14H | 22.0 | A | | 40.0 | 3.0 | 0.71 | 11700 | 6 | 490R-1404 |
| 66.0 | 08 | 22 | 5.50 | 1 | | 6 | 490-066Q22-08M | 22.0 | A | | 40.0 | 1.2 | 0.75 | 21600 | 6 | 490R-08T308 |
| | 14 | 22 | 10.00 | 1 | | 5 | 490-066Q22-14M | 22.0 | A | | 40.0 | 3.0 | 0.76 | 11400 | 5 | 490R-1404 |
| 80.0 | 08 | 27 | 5.50 | 1 | | 6 | 490-080Q27-08L | 27.0 | A | | 50.0 | 1.2 | 1.43 | 19400 | 6 | 490R-08T308 |
| | 08 | 27 | 5.50 | 1 | | 8 | 490-080Q27-08M | 27.0 | A | | 50.0 | 1.2 | 1.39 | 19400 | 8 | 490R-08T308 |
| | 08 | 27 | 5.50 | 1 | | 10 | 490-080Q27-08H | 27.0 | A | | 50.0 | 1.2 | 1.20 | 19400 | 10 | 490R-08T308 |
| | 14 | 27 | 10.00 | 1 | | 6 | 490-080Q27-14M | 27.0 | A | | 50.0 | 3.0 | 1.11 | 10100 | 6 | 490R-1404 |
| | 14 | 27 | 10.00 | 1 | 8 | | 490-080Q27-14H | 27.0 | A | | 50.0 | 3.0 | 1.12 | 10100 | 8 | 490R-1404 |
| 84.0 | 08 | 27 | 5.50 | 1 | | 8 | 490-084Q27-08M | 27.0 | A | | 50.0 | 1.2 | 1.78 | 18900 | 8 | 490R-08T308 |
| | 14 | 27 | 10.00 | 1 | | 6 | 490-084Q27-14M | 27.0 | A | | 50.0 | 3.0 | 1.61 | 9800 | 6 | 490R-1404 |
| 100.0 | 08 | 32 | 5.50 | 0 | | 6 | 490-100Q32-08L | 32.0 | B | | 50.0 | 1.2 | 2.15 | 17100 | 6 | 490R-08T308 |
| | 08 | 32 | 5.50 | 0 | | 8 | 490-100Q32-08M | 32.0 | B | | 50.0 | 1.2 | 2.10 | 17100 | 8 | 490R-08T308 |
| | 08 | 32 | 5.50 | 0 | | 10 | 490-100Q32-08H | 32.0 | B | | 50.0 | 1.2 | 2.10 | 17100 | 10 | 490R-08T308 |
| | 14 | 32 | 10.00 | 1 | | 5 | 490-100Q32-14L | 32.0 | B | | 50.0 | 3.0 | 2.07 | 8900 | 5 | 490R-1404 |
| | 14 | 32 | 10.00 | 1 | | 7 | 490-100Q32-14M | 32.0 | B | | 50.0 | 3.0 | 1.99 | 8900 | 7 | 490R-1404 |
| | 14 | 32 | 10.00 | 1 | 10 | | 490-100Q32-14H | 32.0 | B | | 50.0 | 3.0 | 2.00 | 8900 | 10 | 490R-1404 |
| 125.0 | 08 | 40 | 5.50 | 0 | | 8 | 490-125Q40-08L | 40.0 | B | | 63.0 | 1.2 | 3.51 | 15200 | 8 | 490R-08T308 |
| | 08 | 40 | 5.50 | 0 | | 10 | 490-125Q40-08M | 40.0 | B | | 63.0 | 1.2 | 3.44 | 15200 | 10 | 490R-08T308 |
| | 08 | 40 | 5.50 | 0 | | 12 | 490-125Q40-08H | 40.0 | B | | 63.0 | 1.2 | 3.46 | 15200 | 12 | 490R-08T308 |
| | 14 | 40 | 10.00 | 1 | | 6 | 490-125Q40-14L | 40.0 | B | | 63.0 | 3.0 | 3.37 | 7800 | 6 | 490R-1404 |
| | 14 | 40 | 10.00 | 1 | | 8 | 490-125Q40-14M | 40.0 | B | | 63.0 | 3.0 | 3.05 | 7800 | 8 | 490R-1404 |
| | 14 | 40 | 10.00 | 1 | 12 | | 490-125Q40-14H | 40.0 | B | | 63.0 | 3.0 | 3.29 | 7800 | 12 | 490R-1404 |
| 160.0 | 14 | 40S | 10.00 | 0 | | 8 | 490-160Q40-14L | 40.0 | C | 66.7 | 63.0 | 3.0 | 5.05 | 6800 | 8 | 490R-1404 |
| | 14 | 40S | 10.00 | 0 | | 12 | 490-160Q40-14M | 40.0 | C | 66.7 | 63.0 | 3.0 | 5.01 | 6800 | 12 | 490R-1404 |
| | 14 | 40S | 10.00 | 0 | 15 | | 490-160Q40-14H | 40.0 | C | 66.7 | 63.0 | 3.0 | 5.06 | 6800 | 15 | 490R-1404 |
| 200.0 | 14 | 60 | 10.00 | 0 | | 10 | 490-200Q60-14L | 60.0 | C | 101.6 | 63.0 | 3.0 | 13.11 | 6000 | 10 | 490R-1404 |
| | 14 | 60 | 10.00 | 0 | | 16 | 490-200Q60-14M | 60.0 | C | 101.6 | 63.0 | 3.0 | 11.79 | 6000 | 16 | 490R-1404 |
| 250.0 | 14 | 60 | 10.00 | 0 | | 12 | 490-250Q60-14L | 60.0 | C | 101.6 | 63.0 | 3.0 | 15.50 | 5300 | 12 | 490R-1404 |
| | 14 | 60 | 10.00 | 0 | | 18 | 490-250Q60-14M | 60.0 | C | 101.6 | 63.0 | 3.0 | 17.52 | 5300 | 18 | 490R-1404 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


I55


L2


M1



N23



N6



N9



N15

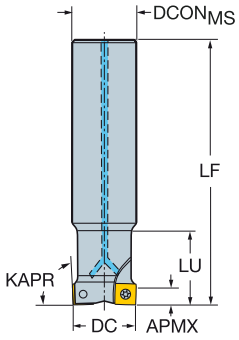
SPA

# Fresa de escuadrar CoroMill® 490

**Mango cilíndrico - Suministro de refrigerante interior**

KAPR 90°






| DC | | $CZC_{MS}$ | $APMX_{FFW}$ | CNSC | | | Código de pedido | Dimensiones, mm $DCON_{MS}$ | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.0 | 08 | 16 | 5.50 | 1 | 2 | | 490-020A16-08L | 16.0 | 100.0 | | 1.2 | 0.24 | 48500 | 2 | 490R-08T308 |
| | 08 | 20 | 5.50 | 1 | 2 | | 490-020A20-08L | 20.0 | 110.0 | 25.0 | 1.2 | 0.33 | 48500 | 2 | 490R-08T308 |
| 22.0 | 08 | 20 | 5.50 | 1 | 2 | | 490-022A20L-08L | 20.0 | 170.0 | | 1.2 | 0.47 | 20300 | 2 | 490R-08T308 |
| 25.0 | 08 | 20 | 5.50 | 1 | 2 | | 490-025A20-08L | 20.0 | 110.0 | | 1.2 | 0.34 | 40400 | 2 | 490R-08T308 |
| | 08 | 25 | 5.50 | 1 | 2 | | 490-025A25-08L | 25.0 | 120.0 | 32.0 | 1.2 | 0.49 | 40400 | 2 | 490R-08T308 |
| | 08 | 20 | 5.50 | 1 | 3 | | 490-025A20-08M | 20.0 | 110.0 | | 1.2 | 0.32 | 40400 | 3 | 490R-08T308 |
| | 08 | 25 | 5.50 | 1 | 3 | | 490-025A25-08M | 25.0 | 120.0 | 32.0 | 1.2 | 0.46 | 40400 | 3 | 490R-08T308 |
| 28.0 | 08 | 25 | 5.50 | 1 | 2 | | 490-028A25L-08L | 25.0 | 210.0 | | 1.2 | 0.84 | 11000 | 2 | 490R-08T308 |
| 32.0 | 08 | 25 | 5.50 | 1 | | 3 | 490-032A25-08L | 25.0 | 120.0 | | 1.2 | 0.55 | 33900 | 3 | 490R-08T308 |
| | 08 | 32 | 5.50 | 1 | | 3 | 490-032A32-08L | 32.0 | 130.0 | 40.0 | 1.2 | 0.81 | 33900 | 3 | 490R-08T308 |
| | 08 | 25 | 5.50 | 1 | 4 | | 490-032A25-08M | 25.0 | 120.0 | | 1.2 | 0.55 | 33900 | 4 | 490R-08T308 |
| | 08 | 32 | 5.50 | 1 | 4 | | 490-032A32-08M | 32.0 | 130.0 | 40.0 | 1.2 | 0.81 | 33900 | 4 | 490R-08T308 |
| 40.0 | 08 | 32 | 5.50 | 1 | | 3 | 490-040A32-08L | 32.0 | 170.0 | | 1.2 | 1.18 | 20300 | 3 | 490R-08T308 |
| | 08 | 32 | 5.50 | 1 | | 4 | 490-040A32-08M | 32.0 | 170.0 | | 1.2 | 1.16 | 20300 | 4 | 490R-08T308 |
| | 08 | 32 | 5.50 | 1 | 6 | | 490-040A32-08H | 32.0 | 170.0 | | 1.2 | 1.18 | 20300 | 6 | 490R-08T308 |
| | 14 | 32 | 10.00 | 1 | | 3 | 490-040A32-14M | 32.0 | 170.0 | | 3.0 | 1.12 | 26400 | 3 | 490R-1404 |
| | 14 | 32 | 10.00 | 1 | | 3 | 490-040A32L-14M | 32.0 | 250.0 | | 3.0 | 1.77 | 7600 | 3 | 490R-1404 |
| | 14 | 32 | 10.00 | 1 | 4 | | 490-040A32-14H | 32.0 | 170.0 | | 3.0 | 1.13 | 26400 | 4 | 490R-1404 |
| 50.0 | 14 | 32 | 10.00 | 1 | | 3 | 490-050A32-14L | 32.0 | 120.0 | | 3.0 | 1.07 | 13700 | 3 | 490R-1404 |
| | 14 | 32 | 10.00 | 1 | | 4 | 490-050A32-14M | 32.0 | 120.0 | | 3.0 | 0.90 | 13700 | 4 | 490R-1404 |
| 63.0 | 14 | 32 | 10.00 | 1 | | 4 | 490-063A32-14L | 32.0 | 120.0 | | 3.0 | 1.43 | 11700 | 4 | 490R-1404 |
| | 14 | 32 | 10.00 | 1 | | 5 | 490-063A32-14M | 32.0 | 120.0 | | 3.0 | 1.43 | 11700 | 5 | 490R-1404 |

| | Piezas de repuesto | | |
|---|---|---|---|
| | Tornillo de plaquita | Placa de apoyo | Tornillo de la placa de apoyo |
| 08 | 5513 020-35 | | |
| 14 | 5513 020-72 | 5322 471-01 | 5512 090-01 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

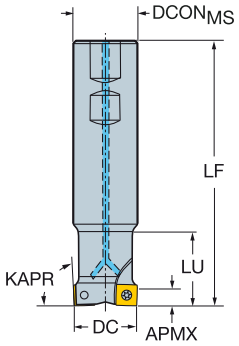
I55 L2 N23 N6 N9 N15

# Fresa de escuadrar CoroMill® 490

**Weldon - Suministro de refrigerante interior**

KAPR 90°






| DC | | CZC$_{MS}$ | APMX$_{FFW}$ | CNSC | | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ISO | LB | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.0 | 08 | 16 | 5.50 | 1 | 2 | | 490-020B16-08L | 16.0 | WE | 25.0 | 74.0 | | 1.2 | 0.20 | 48500 | 2 | 490R-08T308 |
| | 08 | 20 | 5.50 | 1 | 2 | | 490-020B20-08L | 20.0 | WE | 25.0 | 76.0 | 25.0 | 1.2 | 0.25 | 48500 | 2 | 490R-08T308 |
| 25.0 | 08 | 20 | 5.50 | 1 | 2 | | 490-025B20-08L | 20.0 | WE | 32.0 | 83.0 | | 1.2 | 0.28 | 40400 | 2 | 490R-08T308 |
| | 08 | 25 | 5.50 | 1 | 3 | | 490-025B25-08M | 25.0 | WE | 32.0 | 88.0 | 32.0 | 1.2 | 0.37 | 40400 | 3 | 490R-08T308 |
| 32.0 | 08 | 25 | 5.50 | 1 | | 3 | 490-032B25-08L | 25.0 | WE | 40.0 | 98.0 | | 1.2 | 0.46 | 33900 | 3 | 490R-08T308 |
| | 08 | 32 | 5.50 | 1 | | 3 | 490-032B32-08L | 32.0 | WE | 40.0 | 100.0 | 40.0 | 1.2 | 0.62 | 33900 | 3 | 490R-08T308 |
| | 08 | 25 | 5.50 | 1 | 4 | | 490-032B25-08M | 25.0 | WE | 40.0 | 98.0 | | 1.2 | 0.47 | 33900 | 4 | 490R-08T308 |
| | 08 | 32 | 5.50 | 1 | 4 | | 490-032B32-08M | 32.0 | WE | 40.0 | 100.0 | 40.0 | 1.2 | 0.62 | 33900 | 4 | 490R-08T308 |
| 40.0 | 08 | 32 | 5.50 | 1 | | 4 | 490-040B32-08M | 32.0 | WE | 50.0 | 112.0 | | 1.2 | 0.79 | 29300 | 4 | 490R-08T308 |
| | 08 | 32 | 5.50 | 1 | 6 | | 490-040B32-08H | 32.0 | WE | 50.0 | 112.0 | | 1.2 | 0.81 | 29300 | 6 | 490R-08T308 |
| | 14 | 32 | 10.00 | 1 | | 3 | 490-040B32-14M | 32.0 | WE | 50.0 | 112.0 | | 3.0 | 0.76 | 26400 | 3 | 490R-1404 |
| | 14 | 32 | 10.00 | 1 | 4 | | 490-040B32-14H | 32.0 | WE | 50.0 | 112.0 | | 3.0 | 0.77 | 26400 | 4 | 490R-1404 |

| | Piezas de repuesto |
|---|---|
| | Tornillo de plaquita |
| 08 | 5513 020-35 |
| 14 | 5513 020-72 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I55 L2 N23 N6 N9 N15

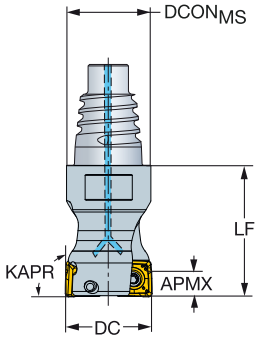
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# Fresa de escuadrar CoroMill® 490

**Coromant EH - Suministro de refrigerante interior**

KAPR 90°






| DC | | CZCMS | APMXFFW | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.0 | 08 | E20 | 5.50 | 1 | 2 | | **490-020EH20-08L** | 19.3 | 30.0 | 1.2 | 0.14 | 48500 | 2 | 490R-08T308 |
| 25.0 | 08 | E25 | 5.50 | 1 | 2 | | **490-025EH25-08L** | 24.2 | 35.0 | 1.2 | 0.18 | 40400 | 2 | 490R-08T308 |
| | 08 | E25 | 5.50 | 1 | 3 | | **490-025EH25-08M** | 24.2 | 35.0 | 1.2 | 0.19 | 40400 | 3 | 490R-08T308 |
| 32.0 | 08 | E25 | 5.50 | 1 | | 3 | **490-032EH25-08L** | 24.2 | 35.0 | 1.2 | 0.21 | 33900 | 3 | 490R-08T308 |
| | 08 | E25 | 5.50 | 1 | 4 | | **490-032EH25-08M** | 24.2 | 35.0 | 1.2 | 0.18 | 33900 | 4 | 490R-08T308 |

| | | Piezas de repuesto |
|---|---|---|
| DC | | Tornillo de plaquita |
| 20.00 | 08 | 5513 020-36 |
| 25.00-32.00 | 08 | 5513 020-35 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

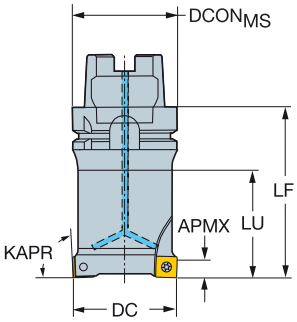
I55 L2 N23 N6 N9 N15 N3

# Fresa de escuadrar CoroMill® 490

**HSK - Suministro de refrigerante interior**

KAPR 90°






| DC | | CZCMS | APMXFFW | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | ISO | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.0 | 08 | 63 | 5.50 | 1 | 2 | | 490-020HA06-08L | 63.0 | A | 95.0 | 40.0 | 1.2 | 1.27 | 30000 | 2 | 490R-08T308 |
| 25.0 | 08 | 63 | 5.50 | 1 | 3 | | 490-025HA06-08M | 63.0 | A | 95.0 | 50.0 | 1.2 | 1.25 | 30000 | 3 | 490R-08T308 |
| 32.0 | 08 | 63 | 5.50 | 1 | 4 | | 490-032HA06-08M | 63.0 | A | 95.0 | 58.0 | 1.2 | 1.33 | 30000 | 4 | 490R-08T308 |
| 40.0 | 08 | 63 | 5.50 | 1 | 6 | | 490-040HA06-08H | 63.0 | A | 95.0 | 58.0 | 1.2 | 1.57 | 29300 | 6 | 490R-08T308 |
| 50.0 | 08 | 63 | 5.50 | 1 | | 5 | 490-050HA06-08M | 63.0 | A | 95.0 | 63.0 | 1.2 | 1.84 | 25500 | 5 | 490R-08T308 |
| | 08 | 63 | 5.50 | 1 | 7 | | 490-050HA06-08H | 63.0 | A | 95.0 | 58.0 | 1.2 | 1.86 | 25500 | 7 | 490R-08T308 |
| 63.0 | 08 | 63 | 5.50 | 1 | | 6 | 490-063HA06-08M | 63.0 | A | 70.0 | 44.0 | 1.2 | 1.81 | 22200 | 6 | 490R-08T308 |
| | 08 | 63 | 5.50 | 1 | 8 | | 490-063HA06-08H | 63.0 | A | 70.0 | 44.0 | 1.2 | 1.80 | 22200 | 8 | 490R-08T308 |
| 80.0 | 08 | 63 | 5.50 | 1 | | 8 | 490-080HA06-08M | 63.0 | A | 70.0 | | 1.2 | 2.03 | 19400 | 8 | 490R-08T308 |

| Piezas de repuesto |
|---|
| Tornillo de plaquita |
| 5513 020-35 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

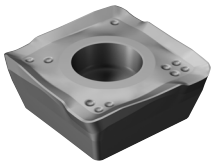
I55 L2 N23 N6 N9 N15

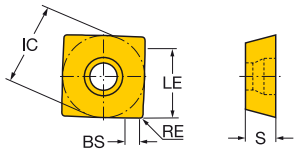


SANDVIK Coromant

# Plaquita CoroMill® 490 para fresado

KRINS 90°





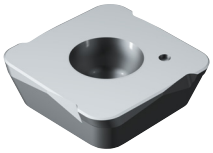

| | | | RE | Código de pedido | P | | | | | M | | | | | K | | | | | N | | S | | | | H | | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1130 | 4220 | 4330 | 4340 | 530 | 1040 | 1130 | 2040 | 4340 | 530 | 1020 | 3040 | 3220 | 3330 | H13A | 1130 | H13A | 1130 | H13A | S30T | S40T | 1010 | 1130 | 530 | IC | LE | S | BS |
| Ligero | KL | 08 | 0.40 | 490R-08T304M-KL | | | | | | | | | | | ★ | ☆ | | ☆ | | | | | | | | | | | 8.5 | 5.6 | 3.30 | 1.5 |
| | | | 0.80 | 490R-08T308M-KL | | | | | | | | | | | ★ | ☆ | | ☆ | | | | | | | | | | | 8.5 | 5.6 | 3.30 | 1.2 |
| | ML | 08 | 0.40 | 490R-08T304E-ML | | | | | | ★ | | ☆ | | | | | | | | | ★ | | ☆ | | | | | | 8.5 | 5.6 | 3.30 | 1.5 |
| | | | 0.80 | 490R-08T308E-ML | ★ | | | | | ★ | ☆ | ☆ | | | | | | | | ☆ | ★ | ☆ | ☆ | ★ | ☆ | | ☆ | | 8.5 | 5.6 | 3.30 | 1.2 |
| | | 14 | 0.80 | 490R-140408E-ML | | | | | | ★ | | ☆ | | | | | | | ☆ | | ★ | | ☆ | ★ | ☆ | | | | 13.8 | 10.3 | 3.90 | 2.0 |
| | PL | 08 | 0.40 | 490R-08T304M-PL | ★ | | ★ | ☆ | | | ☆ | | ☆ | | | | | | | | | ☆ | | | | | ☆ | | 8.5 | 5.6 | 3.30 | 1.5 |
| | | | 0.80 | 490R-08T308M-PL | ★ | ☆ | ★ | ☆ | ☆ | | ☆ | | ☆ | ☆ | | | | | | | | ☆ | | | | ★ | ☆ | ☆ | 8.5 | 5.6 | 3.30 | 1.2 |
| | | 14 | 0.80 | 490R-140408M-PL | ★ | | ★ | ☆ | | | ☆ | | ☆ | | ★ | ☆ | | ☆ | | ☆ | | ☆ | | | | | ☆ | | 13.8 | 10.3 | 3.90 | 2.0 |
| Medio | KM | 08 | 0.80 | 490R-08T308M-KM | | | | | | | | | | | ☆ | ☆ | ☆ | ★ | | | | | | | | | | | 8.5 | 5.6 | 3.30 | 1.2 |
| | | | 1.20 | 490R-08T312M-KM | | | | | | | | | | | ☆ | ☆ | | ★ | | | | | | | | | | | 8.5 | 5.6 | 3.30 | 0.9 |
| | | | 1.60 | 490R-08T316M-KM | | | | | | | | | | | ☆ | | | ★ | | | | | | | | | | | 8.5 | 5.6 | 3.30 | 0.6 |
| | MM | 08 | 0.80 | 490R-08T308E-MM | ★ | | | | | ★ | ☆ | ☆ | | | | | | | | | | ☆ | | ★ | ☆ | | | | 8.5 | 5.6 | 3.30 | 1.2 |
| | | | 0.80 | 490R-08T308M-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | ★ | ☆ | | | | 8.5 | 5.6 | 3.30 | 1.2 |
| | | | 1.20 | 490R-08T312E-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | | 8.5 | 5.6 | 3.30 | 0.9 |
| | | | 1.60 | 490R-08T316E-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | | 8.5 | 5.6 | 3.30 | 0.6 |
| | | 14 | 0.80 | 490R-140408E-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | | 13.8 | 10.3 | 3.90 | 2.0 |
| | | | 0.80 | 490R-140408M-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | ★ | ☆ | | | | 13.8 | 10.3 | 3.90 | 2.0 |
| | | | 1.20 | 490R-140412E-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | ★ | ☆ | | | | 13.8 | 10.3 | 3.90 | 1.6 |
| | | | 1.60 | 490R-140416E-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | | 13.8 | 10.3 | 3.90 | 1.2 |
| | | | 2.00 | 490R-140420E-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | | 13.8 | 10.3 | 3.90 | 0.9 |
| | | | 2.00 | 490R-140420M-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | | 13.8 | 10.3 | 3.90 | 0.9 |
| | PM | 08 | 0.80 | 490R-08T308M-PM | ★ | ☆ | ★ | ☆ | | | ☆ | | ☆ | | | | | | | | | ☆ | | | | ★ | ☆ | | 8.5 | 5.6 | 3.30 | 1.2 |
| | | | 1.20 | 490R-08T312M-PM | ★ | ☆ | ★ | ☆ | | | ☆ | | ☆ | | | | | | | | | ☆ | | | | ★ | ☆ | | 8.5 | 5.6 | 3.30 | 0.9 |
| | | | 1.60 | 490R-08T316M-PM | ★ | ☆ | ★ | ☆ | | | ☆ | | ☆ | | | | | | | | | ☆ | | | | ★ | ☆ | | 8.5 | 5.6 | 3.30 | 0.6 |
| | | 14 | 0.80 | 490R/L-140408M-PM | | | ★ | | | | | | | | | ☆ | ☆ | | | | | | | | | | | | 13.8 | 10.3 | 3.90 | 2.0 |
| | | | 0.80 | 490R-140408M-PM | ★ | ☆ | | ☆ | | | ☆ | | ☆ | | ☆ | | | ★ | | ☆ | | ☆ | | | | | ☆ | | 13.8 | 10.3 | 3.90 | 2.0 |
| | | | 1.20 | 490R-140412M-PM | ★ | | ★ | ☆ | | | ☆ | | ☆ | | ☆ | ☆ | ☆ | ★ | | ☆ | | ☆ | | | | | ☆ | | 13.8 | 10.3 | 3.90 | 2.0 |
| | | | 1.60 | 490R-140416M-PM | ★ | | ★ | ☆ | | | ☆ | | ☆ | | ☆ | ☆ | ☆ | ★ | | ☆ | | ☆ | | | | | ☆ | | 13.8 | 10.3 | 3.90 | 1.2 |
| | | | 2.00 | 490R-140420M-PM | ★ | ☆ | ★ | ☆ | | | ☆ | | ☆ | | ☆ | ☆ | ☆ | ★ | | ☆ | | ☆ | | | | | ☆ | | 13.8 | 10.3 | 3.90 | 0.9 |
| Pesado | KH | 08 | 0.80 | 490R-08T308M-KH | | | | | | | | | | | ☆ | ☆ | ☆ | ★ | | | | | | | | | | | 8.5 | 5.6 | 3.30 | 1.2 |
| | | | 1.60 | 490R-08T316M-KH | | | | | | | | | | | ☆ | | | ★ | | | | | | | | | | | 8.5 | 5.6 | 3.30 | 0.6 |
| | PH | 08 | 0.80 | 490R-08T308M-PH | ☆ | ☆ | ☆ | ★ | | | ☆ | | ☆ | | | | | | | | | ☆ | | | | | ☆ | | 8.5 | 5.6 | 3.30 | 1.2 |
| | | | 1.60 | 490R-08T316M-PH | ☆ | ☆ | ☆ | ★ | | | ☆ | | ☆ | | | | | | | | | ☆ | | | | | ☆ | | 8.5 | 5.6 | 3.30 | 0.6 |
| | | 14 | 0.80 | 490R-140408M-PH | ☆ | ☆ | ☆ | ★ | | | ☆ | | ☆ | | ☆ | ☆ | ☆ | ★ | | ☆ | | ☆ | | | | | ☆ | | 13.8 | 10.3 | 3.90 | 2.0 |
| | | | 2.00 | 490R-140420M-PH | ☆ | ☆ | ☆ | ★ | | | ☆ | | ☆ | | ☆ | ☆ | ☆ | ★ | | ☆ | | ☆ | | | | | ☆ | | 13.8 | 10.3 | 3.90 | 0.9 |

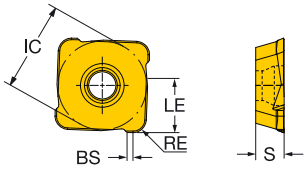
I48 I154 I175 N23 N10

# Plaquita CoroMill® 490 para fresado

**Materiales de corte avanzados**

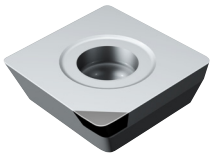
KRINS 90°

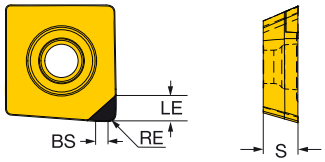





| | | | RE | Código de pedido | K 6190 | H 6190 | Dimensiones, mm IC | LE | S | BS |
|---|---|---|---|---|---|---|---|---|---|---|
| Medio | PO | 14 | 2.00 | 490R-140420E | ★ | ☆ | 13.8 | 5.0 | 3.90 | 0.8 |
| | | | 2.00 | 490R-140408E | ★ | | 13.8 | 5.0 | 3.90 | 0.8 |

KRINS 90°






| | | | RE | Código de pedido | K CB50 | H CB50 | Dimensiones, mm IC | LE | S | BS |
|---|---|---|---|---|---|---|---|---|---|---|
| Medio | PO | 14 | 0.80 | 490R-140408E | ☆ | ★ | 13.8 | 2.0 | 3.90 | 1.5 |

I48 I154 I175 N23 N10



SANDVIK Coromant

# CoroMill® 390

## Fresas versátiles con capacidad de mecanizado en rampa para producciones mixtas

### Aplicación

- Fresado en escuadra
- Fresado en escuadra repetido
- Tornofresado
- Fresado en escuadra profundo
- Recanteado
- Fresado de cavidades
- Mecanizado en rampa lineal y helicoidal

### Área de aplicación ISO:

P M K N S H



### Ventajas y características

- Tolerancia estrecha con acabado superficial excelente y desajuste mínimo
- Gran profundidad de corte y capacidad de mecanizado en rampa inclinado
- Disponibilidad de diámetro sobredimensionado para disponer de holgura
- Tecnología antivibratoria Silent Tools™ integrada para un régimen de arranque de viruta elevado y un acabado superficial optimizado
- Disponible en versión corta para centros de torneado
- Refrigerante interior en la mayoría de fresas

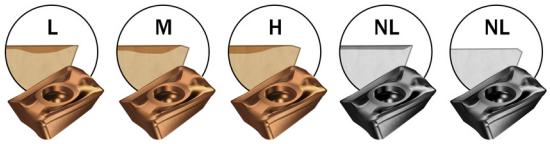
www.sandvik.coromant.com/coromill390

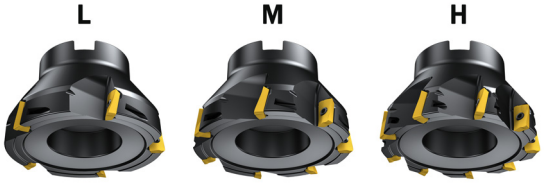
### Cuerpos de fresa

- Coromant Capto®
- En eje
- Mango cilíndrico
- Weldon
- Coromant EH
- Acoplamiento roscado
- Versiones sobredimensionadas disponibles en fresas Coromant Capto® , en eje y Coromant EH
- Mangos subdimensionados en fresas cilíndricas

### Plaquitas

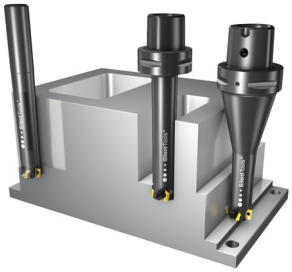
- Dos filos de corte
- Calidades de metal duro y PCD
- Las geometrías de plaquita de corte ligero y calidades de alto rendimiento proporcionan unas fuerzas de corte reducidas y un mecanizado sin vibraciones, garantizando así un fresado seguro en todos los materiales.




Paso amplio | Paso estrecho | Paso extra estrecho

Los cuerpos de fresa antivibratorios Silent Tools impulsan la productividad con voladizos largos



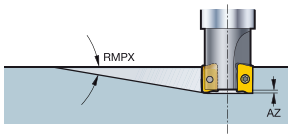
I58 I74 N6

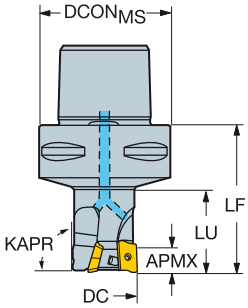
# Fresa de escuadrar CoroMill® 390

**Coromant Capto® - Suministro de refrigerante interior**



KAPR 90°




| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | CNSC | | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.0 | 11 | C3 | 5.5 | 10.00 | 10° | 1.0 | 3 | 2 | | R390-016C3-11L050 | 32.0 | 50.0 | 25.0 | 1.2 | 0.28 | 39000 | 2 | R390-11.. |
| | 11 | C4 | 5.5 | 10.00 | 10° | 1.0 | 3 | 2 | | R390-016C4-11L | 40.0 | 50.0 | 25.0 | 1.2 | 0.41 | 39000 | 2 | R390-11.. |
| 20.0 | 11 | C3 | 5.5 | 10.00 | 5° | 1.0 | 3 | 2 | | R390-020C3-11L050 | 32.0 | 50.0 | 25.0 | 1.2 | 0.29 | 34600 | 2 | R390-11.. |
| | 11 | C4 | 5.5 | 10.00 | 5° | 1.0 | 3 | 2 | | R390-020C4-11L | 40.0 | 50.0 | 25.0 | 1.2 | 0.42 | 34600 | 2 | R390-11.. |
| | 11 | C3 | 5.5 | 10.00 | 5° | 1.0 | 3 | 3 | | R390-020C3-11M050 | 32.0 | 50.0 | 25.0 | 1.2 | 0.29 | 34600 | 3 | R390-11.. |
| | 11 | C5 | 5.5 | 10.00 | 5° | 1.0 | 3 | 3 | | R390-020C5-11M095 | 50.0 | 95.0 | 40.0 | 1.2 | 1.00 | 34600 | 3 | R390-11.. |
| | 11 | C6 | 5.5 | 10.00 | 5° | 1.0 | 3 | 3 | | R390-020C6-11M110 | 63.0 | 110.0 | 40.0 | 1.2 | 1.75 | 34600 | 3 | R390-11.. |
| 25.0 | 11 | C3 | 5.5 | 10.00 | 5° | 1.0 | 3 | 2 | | R390-025C3-11L050 | 32.0 | 50.0 | 32.0 | 1.2 | 0.31 | 36500 | 2 | R390-11.. |
| | 11 | C4 | 5.5 | 10.00 | 5° | 1.0 | 3 | 2 | | R390-025C4-11L | 40.0 | 55.0 | 32.0 | 1.2 | 0.42 | 36500 | 2 | R390-11.. |
| | 11 | C3 | 5.5 | 10.00 | 5° | 1.0 | 3 | 3 | | R390-025C3-11M050 | 32.0 | 50.0 | 32.0 | 1.2 | 0.28 | 36500 | 3 | R390-11.. |
| | 11 | C4 | 5.5 | 10.00 | 5° | 1.0 | 3 | 3 | | R390-025C4-11M | 40.0 | 55.0 | 32.0 | 1.2 | 0.44 | 36500 | 3 | R390-11.. |
| | 11 | C5 | 5.5 | 10.00 | 5° | 1.0 | 3 | 3 | | R390-025C5-11M095 | 50.0 | 95.0 | 45.0 | 1.2 | 1.06 | 36500 | 3 | R390-11.. |
| | 11 | C6 | 5.5 | 10.00 | 5° | 1.0 | 3 | 3 | | R390-025C6-11M110 | 63.0 | 110.0 | 45.0 | 1.2 | 1.60 | 36500 | 3 | R390-11.. |
| 32.0 | 11 | C3 | 5.5 | 10.00 | 3° | 1.0 | 3 | | 2 | R390-032C3-11L050 | 32.0 | 50.0 | 35.0 | 1.2 | 0.38 | 31000 | 2 | R390-11.. |
| | 11 | C3 | 5.5 | 10.00 | 3° | 1.0 | 3 | | 3 | R390-032C3-11M050 | 32.0 | 50.0 | 35.0 | 1.2 | 0.38 | 31000 | 3 | R390-11.. |
| | 11 | C4 | 5.5 | 10.00 | 3° | 1.0 | 3 | | 3 | R390-032C4-11M | 40.0 | 65.0 | 40.0 | 1.2 | 0.52 | 31000 | 3 | R390-11.. |
| | 11 | C5 | 5.5 | 10.00 | 3° | 1.0 | 3 | | 3 | R390-032C5-11M | 50.0 | 65.0 | 40.0 | 1.2 | 0.88 | 31000 | 3 | R390-11.. |
| | 11 | C5 | 5.5 | 10.00 | 3° | 1.0 | 3 | | 3 | R390-032C5-11M095 | 50.0 | 95.0 | 50.0 | 1.2 | 1.10 | 31000 | 3 | R390-11.. |
| | 11 | C6 | 5.5 | 10.00 | 3° | 1.0 | 3 | 3 | | R390-032C6-11M080 | 63.0 | 80.0 | 40.0 | 1.2 | 1.52 | 31000 | 3 | R390-11.. |
| | 11 | C6 | 5.5 | 10.00 | 3° | 1.0 | 3 | | 3 | R390-032C6-11M110 | 63.0 | 110.0 | 50.0 | 1.2 | 1.81 | 31000 | 3 | R390-11.. |
| 36.0 | 11 | C3 | 5.5 | 10.00 | 2° | 1.0 | 3 | 3 | | R390-036C3-11M050 | 32.0 | 50.0 | | 1.2 | 0.38 | 29000 | 3 | R390-11.. |
| | 11 | C3 | 5.5 | 10.00 | 2° | 1.0 | 3 | 3 | | R390-036C3-11M075 | 32.0 | 75.0 | | 1.2 | 0.54 | 29000 | 3 | R390-11.. |
| 40.0 | 11 | C4 | 5.5 | 10.00 | 2° | 1.0 | 3 | | 4 | R390-040C4-11M | 40.0 | 70.0 | 70.0 | 1.2 | 0.82 | 27000 | 4 | R390-11.. |
| | 11 | C5 | 5.5 | 10.00 | 2° | 1.0 | 3 | | 4 | R390-040C5-11M | 50.0 | 75.0 | 50.0 | 1.2 | 1.05 | 27000 | 4 | R390-11.. |
| | 11 | C6 | 5.5 | 10.00 | 2° | 1.0 | 3 | 4 | | R390-040C6-11M080 | 63.0 | 80.0 | 40.0 | 1.2 | 1.20 | 27000 | 4 | R390-11.. |
| | 11 | C4 | 5.5 | 10.00 | 2° | 1.0 | 3 | | 6 | R390-040C4-11H | 40.0 | 70.0 | 50.0 | 1.2 | 0.56 | 27000 | 6 | R390-11.. |
| | 11 | C5 | 5.5 | 10.00 | 2° | 1.0 | 3 | | 6 | R390-040C5-11H | 50.0 | 75.0 | 50.0 | 1.2 | 1.07 | 27000 | 6 | R390-11.. |
| | 18 | C4 | 1.1 | 15.40 | 6° | 0.0 | 3 | 3 | | R390-040C4-18M060 | 40.0 | 60.0 | 40.0 | 3.0 | 0.48 | 9200 | 3 | R390-18.. |
| | 18 | C5 | 1.1 | 15.40 | 6° | 0.0 | 3 | 3 | | R390-040C5-18M080 | 50.0 | 80.0 | 40.0 | 3.0 | 1.13 | 9200 | 3 | R390-18.. |
| | 18 | C6 | 1.1 | 15.40 | 6° | 0.0 | 3 | 3 | | R390-040C6-18M100 | 63.0 | 100.0 | 50.0 | 3.0 | 1.91 | 9200 | 3 | R390-18.. |
| 44.0 | 11 | C4 | 5.5 | 10.00 | 1° | 1.0 | 3 | 4 | | R390-044C4-11M060 | 40.0 | 60.0 | | 1.2 | 0.77 | 25600 | 4 | R390-11.. |
| | 11 | C4 | 5.5 | 10.00 | 1° | 1.0 | 3 | 4 | | R390-044C4-11M075 | 40.0 | 75.0 | | 1.2 | 0.88 | 25600 | 4 | R390-11.. |
| | 18 | C4 | 1.1 | 15.40 | 6° | 0.0 | 3 | 2 | | R390-044C4-18L080 | 40.0 | 80.0 | | 3.0 | 1.10 | 8600 | 2 | R390-18.. |
| | 18 | C4 | 1.1 | 15.40 | 6° | 0.0 | 3 | 3 | | R390-044C4-18M060 | 40.0 | 60.0 | | 3.0 | 0.80 | 8600 | 3 | R390-18.. |
| | 18 | C4 | 1.1 | 15.40 | 6° | 0.0 | 3 | 3 | | R390-044C4-18M080 | 40.0 | 80.0 | | 3.0 | 1.00 | 8600 | 3 | R390-18.. |
| 50.0 | 11 | C5 | 5.5 | 10.00 | 1° | 1.0 | 3 | 5 | | R390-050C5-11M060 | 50.0 | 60.0 | 40.0 | 1.2 | 1.08 | 23700 | 5 | R390-11.. |
| | 11 | C6 | 5.5 | 10.00 | 1° | 1.0 | 3 | 5 | | R390-050C6-11M080 | 63.0 | 80.0 | 40.0 | 1.2 | 1.82 | 23700 | 5 | R390-11.. |
| | 18 | C5 | 1.1 | 15.40 | 5° | 0.0 | 3 | 4 | | R390-050C5-18M060 | 50.0 | 60.0 | 40.0 | 3.0 | 1.08 | 7900 | 4 | R390-18.. |
| | 18 | C6 | 1.1 | 15.40 | 5° | 0.0 | 3 | 4 | | R390-050C6-18M080 | 63.0 | 80.0 | 40.0 | 3.0 | 1.85 | 7900 | 4 | R390-18.. |
| 54.0 | 11 | C5 | 5.5 | 10.00 | 1° | 1.0 | 3 | 5 | | R390-054C5-11M060 | 50.0 | 60.0 | | 1.2 | 1.09 | 22700 | 5 | R390-11.. |
| | 11 | C5 | 5.5 | 10.00 | 1° | 1.0 | 3 | 5 | | R390-054C5-11M080 | 50.0 | 80.0 | | 1.2 | 1.60 | 22700 | 5 | R390-11.. |
| | 18 | C5 | 1.1 | 15.40 | 5° | 0.0 | 3 | 4 | | R390-054C5-18M060 | 50.0 | 60.0 | | 3.0 | 1.28 | 7500 | 4 | R390-18.. |
| | 18 | C5 | 1.1 | 15.40 | 5° | 0.0 | 3 | 4 | | R390-054C5-18M080 | 50.0 | 80.0 | | 3.0 | 1.58 | 7500 | 4 | R390-18.. |
| 63.0 | 11 | C5 | 5.5 | 10.00 | 1° | 1.0 | 3 | 6 | | R390-063C5-11M060 | 50.0 | 60.0 | | 1.2 | 1.53 | 20700 | 6 | R390-11.. |
| | 11 | C6 | 5.5 | 10.00 | 1° | 1.0 | 3 | 6 | | R390-063C6-11M080 | 63.0 | 80.0 | 40.0 | 1.2 | 2.25 | 20700 | 6 | R390-11.. |
| | 18 | C5 | 1.1 | 15.40 | 4° | 0.0 | 3 | 5 | | R390-063C5-18M060 | 50.0 | 60.0 | | 3.0 | 1.45 | 6800 | 5 | R390-18.. |
| | 18 | C6 | 1.1 | 15.40 | 4° | 0.0 | 3 | 5 | | R390-063C6-18M060 | 63.0 | 60.0 | 38.0 | 3.0 | 1.81 | 6800 | 5 | R390-18.. |

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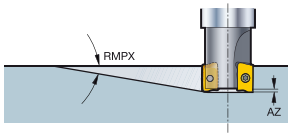
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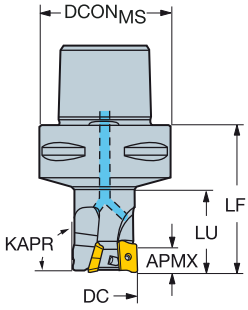
# Fresa de escuadrar CoroMill® 390

**Coromant Capto® - Suministro de refrigerante interior**






KAPR 90°




| DC | | CZCMS | APMXEFW | APMXFFW | RMPX | AZ | CNSC | | Código de pedido | Dimensiones, mm DCONMS | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 66.0 | 11 | C6 | 5.5 | 10.00 | 1° | 1.0 | 3 | 6 | R390-066C6-11M060 | 63.0 | 60.0 | | 1.2 | 1.88 | 20200 | 6 | R390-11.. |
| | 11 | C6 | 5.5 | 10.00 | 1° | 1.0 | 3 | 6 | R390-066C6-11M080 | 63.0 | 80.0 | | 1.2 | 2.30 | 20200 | 6 | R390-11.. |
| | 18 | C6 | 1.1 | 15.40 | 3° | 0.0 | 3 | 5 | R390-066C6-18M060 | 63.0 | 60.0 | | 3.0 | 1.83 | 6700 | 5 | R390-18.. |
| | 18 | C6 | 1.1 | 15.40 | 3° | 0.0 | 3 | 5 | R390-066C6-18M080 | 63.0 | 80.0 | | 3.0 | 2.25 | 6700 | 5 | R390-18.. |
| 80.0 | 11 | C6 | 5.5 | 10.00 | 0° | 1.0 | 3 | 7 | R390-080C6-11M060 | 63.0 | 60.0 | | 1.2 | 2.14 | 18200 | 7 | R390-11.. |
| | 11 | C6 | 5.5 | 10.00 | 0° | 1.0 | 3 | 7 | R390-080C6-11M080 | 63.0 | 80.0 | | 1.2 | 2.71 | 18200 | 7 | R390-11.. |
| | 18 | C6 | 1.1 | 15.40 | 3° | 0.0 | 3 | 6 | R390-080C6-18M060 | 63.0 | 60.0 | | 3.0 | 1.80 | 5900 | 6 | R390-18.. |
| 84.0 | 18 | C8 | 1.1 | 15.40 | 2° | 0.0 | 3 | 6 | R390-084C8-18M070 | 80.0 | 70.0 | | 3.0 | 3.39 | 5800 | 6 | R390-18.. |
| | 18 | C8 | 1.1 | 15.40 | 2° | 0.0 | 3 | 6 | R390-084C8-18M100 | 80.0 | 100.0 | | 3.0 | 4.50 | 5800 | 6 | R390-18.. |

| | | Piezas de repuesto |
|---|---|---|
| DC | | Tornillo de plaquita |
| 16.00-20.00 | 11 | 5513 020-36 |
| 25.00-80.00 | 11 | 5513 020-35 |
| 40.00-84.00 | 18 | 5513 020-29 |

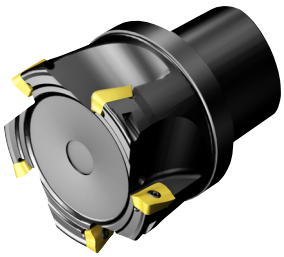
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

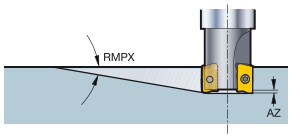
I74 L2 N23 N6 N9 N15

# Fresa de escuadrar CoroMill® 390

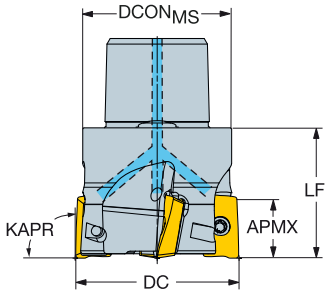
**Coromant Capto® - Suministro de refrigerante interior**

**Versión corta sin ranuras gripper**






KAPR 90°




| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | CNSC | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44.0 | 11 | C4 | 5.5 | 10.00 | 1° | 1.0 | 3 | 4 | **R390-044C4T-11H** | 40.0 | 35.0 | 1.2 | 0.40 | 25600 | 4 | R390-11.. |
| | 17 | C4 | 8.5 | 15.70 | 3° | 1.5 | 3 | 4 | **R390-044C4T-17M** | 40.0 | 35.0 | 3.0 | 0.35 | 20600 | 4 | R390-17.. |
| 54.0 | 11 | C5 | 5.5 | 10.00 | 1° | 1.0 | 3 | 5 | **R390-054C5T-11H** | 50.0 | 35.0 | 1.2 | 0.62 | 22700 | 5 | R390-11.. |
| | 17 | C5 | 8.5 | 15.70 | 2° | 1.5 | 3 | 5 | **R390-054C5T-17M** | 50.0 | 35.0 | 3.0 | 0.94 | 18200 | 5 | R390-17.. |

Nota: Sólo para sujeción de segmentos.

| | Piezas de repuesto |
|---|---|
| | Tornillo de plaquita |
| 11 | 5513 020-35 |
| 17 | 5513 020-39 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I74 L2 N23 N6 N9 N15



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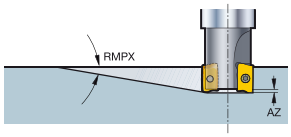
# Fresa de escuadrar CoroMill® 390

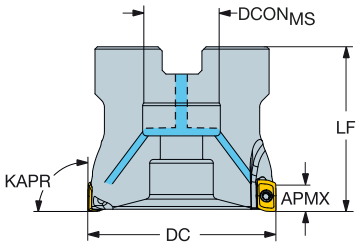
**Eje - Suministro de refrigerante interior**

**Fresa para escuadrar de peso ligero**

STDNO ISO6462
KAPR 90°






| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | CNSC | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ISO | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40.0 | 11 | 16 | 5.5 | 10.00 | 2° | 1.0 | 1 | 3 | R390-040Q16LW-11L | 16.0 | A | 30.0 | 1.2 | 0.05 | 10000 | 3 | R390-11.. |
| | 11 | 16 | 5.5 | 10.00 | 2° | 1.0 | 1 | 4 | R390-040Q16LW-11M | 16.0 | A | 30.0 | 1.2 | 0.05 | 10000 | 4 | R390-11.. |
| 50.0 | 11 | 22 | 5.5 | 10.00 | 1° | 1.0 | 1 | 3 | R390-050Q22LW-11L | 22.0 | A | 30.0 | 1.2 | 0.07 | 10000 | 3 | R390-11.. |
| | 11 | 22 | 5.5 | 10.00 | 1° | 1.0 | 1 | 4 | R390-050Q22LW-11M | 22.0 | A | 30.0 | 1.2 | 0.07 | 10000 | 4 | R390-11.. |

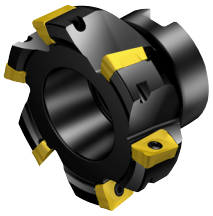
| | | Piezas de repuesto | |
|---|---|---|---|
| DC | | Tornillo de plaquita | Tornillo |
| 40.00 | 11 | 5513 020-35 | 3213 010-412 |
| 50.00 | 11 | 5513 020-35 | 3213 010-461 |

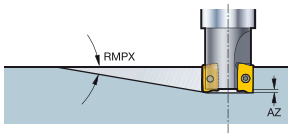
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I74 L2 M1 N23 N6 N9 N15

# Fresa de escuadrar CoroMill® 390

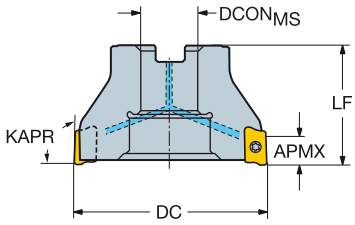
**Eje - Suministro de refrigerante interior**






STDNO
KAPR

ISO 6462
90°




| DC | | CZCMS | APMXEFW | APMXFFW | RMPX | AZ | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | ISO | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40.0 | 07 | 16 | 2.0 | 5.80 | 0° | 0.5 | 1 | | 7 | R390-040Q16-07M | 16.0 | A | 35.0 | 0.5 | 0.20 | 21500 | 7 | 390R-07.. |
| | 07 | 16 | 2.0 | 5.80 | 0° | 0.5 | 1 | | 10 | R390-040Q16-07H | 16.0 | A | 35.0 | 0.5 | 0.20 | 21500 | 10 | 390R-07.. |
| | 11 | 16 | 5.5 | 10.00 | 2° | 1.0 | 1 | | 4 | R390-040Q16-11M | 16.0 | A | 40.0 | 1.2 | 0.44 | 27000 | 4 | R390-11.. |
| | 11 | 16 | 5.5 | 10.00 | 2° | 1.0 | 1 | | 6 | R390-040Q16-11H | 16.0 | A | 40.0 | 1.2 | 0.50 | 27000 | 6 | R390-11.. |
| | 17 | 16 | 8.5 | 15.70 | 3° | 1.5 | 1 | 2 | | R390-040Q16-17L | 16.0 | A | 40.0 | 3.0 | 0.38 | 21900 | 2 | R390-17.. |
| | 17 | 16 | 8.5 | 15.70 | 3° | 1.5 | 1 | | 3 | R390-040Q16-17M | 16.0 | A | 40.0 | 3.0 | 0.46 | 21900 | 3 | R390-17.. |
| | 17 | 16 | 8.5 | 15.70 | 3° | 1.5 | 1 | 4 | | R390-040Q16-17H | 16.0 | A | 40.0 | 3.0 | 0.20 | 21900 | 4 | R390-17.. |
| 44.0 | 11 | 16 | 5.5 | 10.00 | 1° | 1.0 | 1 | | 4 | R390-044Q16-11M | 16.0 | A | 40.0 | 1.2 | 0.20 | 25600 | 4 | R390-11.. |
| | 17 | 16 | 8.5 | 15.70 | 3° | 1.5 | 1 | | 3 | R390-044Q16-17M | 16.0 | A | 40.0 | 3.0 | 0.20 | 20600 | 3 | R390-17.. |
| 50.0 | 11 | 22 | 5.5 | 10.00 | 1° | 1.0 | 1 | | 5 | R390-050Q22-11M | 22.0 | A | 40.0 | 1.2 | 0.35 | 23700 | 5 | R390-11.. |
| | 11 | 22 | 5.5 | 10.00 | 1° | 1.0 | 1 | | 7 | R390-050Q22-11H | 22.0 | A | 40.0 | 1.2 | 0.38 | 23700 | 7 | R390-11.. |
| | 17 | 22 | 8.5 | 15.70 | 2° | 1.5 | 1 | | 3 | R390-050Q22-17L | 22.0 | A | 40.0 | 3.0 | 0.35 | 19000 | 3 | R390-17.. |
| | 17 | 22 | 8.5 | 15.70 | 2° | 1.5 | 1 | | 4 | R390-050Q22-17M | 22.0 | A | 40.0 | 3.0 | 0.32 | 19000 | 4 | R390-17.. |
| | 17 | 22 | 8.5 | 15.70 | 2° | 1.5 | 1 | | 5 | R390-050Q22-17H | 22.0 | A | 40.0 | 3.0 | 0.30 | 19000 | 5 | R390-17.. |
| | 18 | 22 | 1.1 | 15.40 | 5° | 0.0 | 1 | | 3 | R390-050Q22-18L | 22.0 | A | 40.0 | 3.0 | 0.59 | 7900 | 3 | R390-18.. |
| | 18 | 22 | 1.1 | 15.40 | 5° | 0.0 | 1 | | 4 | R390-050Q22-18M | 22.0 | A | 40.0 | 3.0 | 0.58 | 7900 | 4 | R390-18.. |
| | 18 | 22 | 1.1 | 15.40 | 5° | 0.0 | 1 | 5 | | R390-050Q22-18H | 22.0 | A | 40.0 | 3.0 | 0.30 | 7900 | 5 | R390-18.. |
| 54.0 | 11 | 22 | 5.5 | 10.00 | 1° | 1.0 | 1 | | 5 | R390-054Q22-11M | 22.0 | A | 40.0 | 1.2 | 0.39 | 22600 | 5 | R390-11.. |
| | 17 | 22 | 8.5 | 15.70 | 2° | 1.5 | 1 | | 4 | R390-054Q22-17M | 22.0 | A | 40.0 | 3.0 | 0.37 | 18200 | 4 | R390-17.. |
| | 18 | 22 | 1.1 | 15.40 | 5° | 0.0 | 1 | | 4 | R390-054Q22-18M | 22.0 | A | 40.0 | 3.0 | 0.30 | 7500 | 4 | R390-18.. |
| 63.0 | 11 | 22 | 5.5 | 10.00 | 1° | 1.0 | 1 | | 6 | R390-063Q22-11M | 22.0 | A | 40.0 | 1.2 | 0.68 | 20700 | 6 | R390-11.. |
| | 11 | 22 | 5.5 | 10.00 | 1° | 1.0 | 1 | | 8 | R390-063Q22-11H | 22.0 | A | 40.0 | 1.2 | 0.48 | 20700 | 8 | R390-11.. |
| | 17 | 22 | 8.5 | 15.70 | 2° | 1.5 | 1 | | 4 | R390-063Q22-17L | 22.0 | A | 40.0 | 3.0 | 0.50 | 16500 | 4 | R390-17.. |
| | 17 | 22 | 8.5 | 15.70 | 2° | 1.5 | 1 | | 5 | R390-063Q22-17M | 22.0 | A | 40.0 | 3.0 | 0.48 | 16500 | 5 | R390-17.. |
| | 17 | 22 | 8.5 | 15.70 | 2° | 1.5 | 1 | | 6 | R390-063Q22-17H | 22.0 | A | 40.0 | 3.0 | 0.68 | 16500 | 6 | R390-17.. |
| | 18 | 22 | 1.1 | 15.40 | 4° | 0.0 | 1 | | 4 | R390-063Q22-18L | 22.0 | A | 40.0 | 3.0 | 0.81 | 6800 | 4 | R390-18.. |
| | 18 | 22 | 1.1 | 15.40 | 4° | 0.0 | 1 | | 5 | R390-063Q22-18M | 22.0 | A | 40.0 | 3.0 | 0.70 | 6800 | 5 | R390-18.. |
| | 18 | 22 | 1.1 | 15.40 | 4° | 0.0 | 1 | 6 | | R390-063Q22-18H | 22.0 | A | 40.0 | 3.0 | 0.70 | 6800 | 6 | R390-18.. |
| 66.0 | 11 | 22 | 5.5 | 10.00 | 3° | 1.0 | 1 | | 6 | R390-066Q22-11M | 22.0 | A | 40.0 | 1.2 | 0.72 | 20200 | 6 | R390-11.. |
| | 17 | 22 | 8.5 | 15.70 | 1° | 1.5 | 1 | | 5 | R390-066Q22-17M | 22.0 | A | 40.0 | 3.0 | 0.50 | 16100 | 5 | R390-17.. |
| | 18 | 22 | 1.1 | 15.40 | 3° | 0.0 | 1 | | 6 | R390-066Q22-18M | 22.0 | A | 40.0 | 3.0 | 0.71 | 6700 | 5 | R390-18.. |
| 80.0 | 11 | 27 | 5.5 | 10.00 | 0° | 1.0 | 1 | | 7 | R390-080Q27-11M | 27.0 | A | 50.0 | 1.2 | 1.08 | 18200 | 7 | R390-11.. |
| | 11 | 27 | 5.5 | 10.00 | 0° | 1.0 | 1 | | 10 | R390-080Q27-11H | 27.0 | A | 50.0 | 1.2 | 0.72 | 18200 | 10 | R390-11.. |
| | 17 | 27 | 8.5 | 15.70 | 1° | 1.5 | 1 | | 4 | R390-080Q27-17L | 27.0 | A | 50.0 | 3.0 | 1.06 | 14400 | 4 | R390-17.. |
| | 17 | 27 | 8.5 | 15.70 | 1° | 1.5 | 1 | | 6 | R390-080Q27-17M | 27.0 | A | 50.0 | 3.0 | 0.96 | 14400 | 6 | R390-17.. |
| | 17 | 27 | 8.5 | 15.70 | 1° | 1.5 | 1 | | 8 | R390-080Q27-17H | 27.0 | A | 50.0 | 3.0 | 0.94 | 14400 | 8 | R390-17.. |
| | 18 | 27 | 1.1 | 15.40 | 3° | 0.0 | 1 | | 4 | R390-080Q27-18L | 27.0 | A | 50.0 | 3.0 | 1.05 | 5900 | 4 | R390-18.. |
| | 18 | 27 | 1.1 | 15.40 | 3° | 0.0 | 1 | | 6 | R390-080Q27-18M | 27.0 | A | 50.0 | 3.0 | 1.00 | 5900 | 6 | R390-18.. |
| 84.0 | 11 | 27 | 5.5 | 10.00 | 3° | 1.0 | 1 | | 7 | R390-084Q27-11M | 27.0 | A | 50.0 | 1.2 | 1.41 | 17700 | 7 | R390-11.. |
| | 17 | 27 | 8.5 | 15.70 | 1° | 1.5 | 1 | | 6 | R390-084Q27-17M | 27.0 | A | 50.0 | 3.0 | 1.07 | 14100 | 6 | R390-17.. |
| | 18 | 27 | 1.1 | 15.40 | 3° | 0.0 | 1 | | 6 | R390-084Q27-18M | 27.0 | A | 50.0 | 3.0 | 1.25 | 5800 | 6 | R390-18.. |
| 100.0 | 17 | 32 | 8.5 | 15.70 | 0° | 1.5 | 1 | | 5 | R390-100Q32-17L | 32.0 | B | 50.0 | 3.0 | 1.77 | 12700 | 5 | R390-17.. |
| | 17 | 32 | 8.5 | 15.70 | 0° | 1.5 | 1 | | 7 | R390-100Q32-17M | 32.0 | B | 50.0 | 3.0 | 1.73 | 12700 | 7 | R390-17.. |
| | 17 | 32 | 8.5 | 15.70 | 0° | 1.5 | 1 | | 9 | R390-100Q32-17H | 32.0 | B | 50.0 | 3.0 | 1.57 | 12700 | 9 | R390-17.. |
| | 18 | 32 | 1.1 | 15.40 | 2° | 0.0 | 1 | | 5 | R390-100Q32-18L | 32.0 | B | 50.0 | 3.0 | 1.83 | 5200 | 5 | R390-18.. |
| | 18 | 32 | 1.1 | 15.40 | 2° | 0.0 | 1 | | 7 | R390-100Q32-18M | 32.0 | B | 50.0 | 3.0 | 1.75 | 5200 | 7 | R390-18.. |
| 125.0 | 17 | 40 | 8.5 | 15.70 | 0° | 1.5 | 1 | | 6 | R390-125Q40-17L | 40.0 | B | 63.0 | 3.0 | 2.71 | 11200 | 6 | R390-17.. |
| | 17 | 40 | 8.5 | 15.70 | 0° | 1.5 | 1 | | 8 | R390-125Q40-17M | 40.0 | B | 63.0 | 3.0 | 2.70 | 11200 | 8 | R390-17.. |
| | 17 | 40 | 8.5 | 15.70 | 0° | 1.5 | 1 | | 11 | R390-125Q40-17H | 40.0 | B | 63.0 | 3.0 | 2.74 | 11200 | 11 | R390-17.. |
| | 18 | 40 | 1.1 | 15.40 | 1° | 0.0 | 1 | | 6 | R390-125Q40-18L | 40.0 | B | 63.0 | 3.0 | 2.72 | 4600 | 6 | R390-18.. |
| | 18 | 40 | 1.1 | 15.40 | 1° | 0.0 | 1 | | 8 | R390-125Q40-18M | 40.0 | B | 63.0 | 3.0 | 2.76 | 4600 | 8 | R390-18.. |

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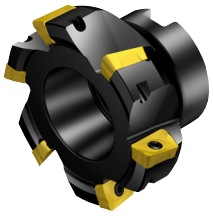


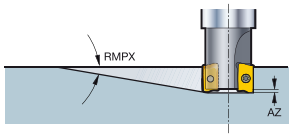
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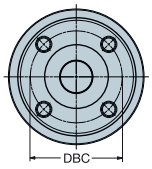
# Fresa de escuadrar CoroMill® 390

**En eje**

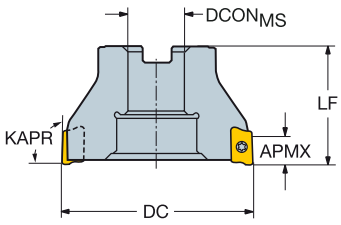





STDNO
KAPR




ISO6462
90°




| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | CNSC | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ISO | DBC | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 160.0 | 18 | 40S | 1.1 | 15.40 | 1° | 0.0 | 0 | 8 | **R390-160Q40-18L** | 40.0 | C | 66.7 | 63.0 | 3.0 | 3.33 | 4000 | 8 | R390-18.. |
| | 18 | 40S | 1.1 | 15.40 | 1° | 0.0 | 0 | 12 | **R390-160Q40-18M** | 40.0 | C | 66.7 | 63.0 | 3.0 | 4.00 | 4000 | 12 | R390-18.. |
| 200.0 | 18 | 60 | 1.1 | 15.40 | 1° | 0.0 | 0 | 10 | **R390-200Q60-18L** | 60.0 | C | 101.6 | 63.0 | 3.0 | 5.38 | 3600 | 10 | R390-18.. |

| | Piezas de repuesto |
|---|---|
| | Tornillo de plaquita |
| 07 | 5513 020-82 |
| 11 | 5513 020-35 |
| 17 | 5513 020-39 |
| 18 | 5513 020-29 |

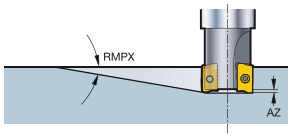
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I74 L2 M1 N23 N6 N9

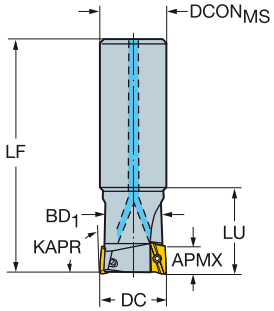
# Fresa de escuadrar CoroMill® 390

**Mango cilíndrico - Suministro de refrigerante interior**






KAPR 90°




| DC | | CZCMS | APMXEFW | APMXFFW | RMPX | AZ | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | BD1 | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.7 | 07 | 10 | 2.0 | 5.80 | 7° | 0.5 | 1 | 2 | | R390-0097A10-07L | 10.0 | 9.2 | 60.0 | 15.0 | 0.5 | 0.07 | 55600 | 2 | 390R-07.. |
| 10.0 | 07 | 9 | 2.0 | 5.80 | 7° | 0.5 | 1 | 2 | | R390-010A09L-07L | 9.0 | 9.3 | 100.0 | | 0.5 | 0.08 | 54100 | 2 | 390R-07.. |
| | 07 | 10 | 2.0 | 5.80 | 7° | 0.5 | 1 | 2 | | R390-010A10-07L | 10.0 | 9.3 | 60.0 | 15.0 | 0.5 | 0.07 | 54100 | 2 | 390R-07.. |
| 11.7 | 07 | 12 | 2.0 | 5.80 | 5° | 0.5 | 1 | 2 | | R390-0117A12-07L | 12.0 | 11.0 | 70.0 | 15.0 | 0.5 | 0.09 | 47400 | 2 | 390R-07.. |
| | 07 | 12 | 2.0 | 5.80 | 5° | 0.5 | 1 | | 3 | R390-0117A12-07M | 12.0 | 11.0 | 70.0 | 15.0 | 0.5 | 0.09 | 47400 | 3 | 390R-07.. |
| 12.0 | 07 | 10 | 2.0 | 5.80 | 5° | 0.5 | 1 | 2 | | R390-012A10L-07L | 10.0 | 11.3 | 120.0 | | 0.5 | 0.11 | 46500 | 2 | 390R-07.. |
| | 07 | 12 | 2.0 | 5.80 | 5° | 0.5 | 1 | 2 | | R390-012A12-07L | 12.0 | 11.3 | 70.0 | 18.0 | 0.5 | 0.09 | 46500 | 2 | 390R-07.. |
| | 07 | 12 | 2.0 | 5.80 | 5° | 0.5 | 1 | | 3 | R390-012A12-07M | 12.0 | 11.3 | 70.0 | 18.0 | 0.5 | 0.09 | 46500 | 3 | 390R-07.. |
| | 11 | 16 | 5.5 | 10.00 | 6° | 1.0 | 1 | 1 | | R390-012A16-11L | 16.0 | | 95.0 | 17.2 | 1.2 | 0.24 | 68600 | 1 | R390-11.. |
| 13.7 | 07 | 14 | 2.0 | 5.80 | 3° | 0.5 | 1 | 2 | | R390-0137A14-07L | 14.0 | 12.9 | 80.0 | 15.0 | 0.5 | 0.12 | 42000 | 2 | 390R-07.. |
| | 07 | 14 | 2.0 | 5.80 | 3° | 0.5 | 1 | | 3 | R390-0137A14-07M | 14.0 | 12.9 | 80.0 | 15.0 | 0.5 | 0.12 | 42000 | 3 | 390R-07.. |
| 14.0 | 07 | 12 | 2.0 | 5.80 | 3° | 0.5 | 1 | | 3 | R390-014A12L-07M | 12.0 | 13.2 | 140.0 | | 0.5 | 0.16 | 33800 | 3 | 390R-07.. |
| | 07 | 14 | 2.0 | 5.80 | 3° | 0.5 | 1 | | 3 | R390-014A14-07M | 14.0 | 13.2 | 80.0 | 20.0 | 0.5 | 0.12 | 41400 | 3 | 390R-07.. |
| 15.7 | 07 | 16 | 2.0 | 5.80 | 3° | 0.5 | 1 | | 3 | R390-0157A16-07M | 16.0 | 14.7 | 90.0 | 18.0 | 0.5 | 0.16 | 38100 | 3 | 390R-07.. |
| 16.0 | 07 | 14 | 2.0 | 5.80 | 3° | 0.5 | 1 | | 3 | R390-016A14L-07M | 14.0 | 15.0 | 160.0 | | 0.5 | 0.23 | 24100 | 3 | 390R-07.. |
| | 07 | 16 | 2.0 | 5.80 | 3° | 0.5 | 1 | | 3 | R390-016A16-07M | 16.0 | 15.0 | 90.0 | 25.0 | 0.5 | 0.16 | 37600 | 3 | 390R-07.. |
| | 07 | 16 | 2.0 | 5.80 | 3° | 0.5 | 1 | | 4 | R390-016A16-07H | 16.0 | 15.0 | 90.0 | 25.0 | 0.5 | 0.16 | 37600 | 4 | 390R-07.. |
| | 11 | 16 | 5.5 | 10.00 | 10° | 1.0 | 1 | 2 | | R390-016A16-11L | 16.0 | | 100.0 | 25.0 | 1.2 | 0.15 | 41500 | 2 | R390-11.. |
| | 11 | 16 | 5.5 | 10.00 | 10° | 1.0 | 1 | 2 | | R390-016A16L-11L | 16.0 | | 145.0 | 25.0 | 1.2 | 0.23 | 31000 | 2 | R390-11.. |
| 18.0 | 11 | 16 | 5.5 | 10.00 | 7° | 1.0 | 1 | 2 | | R390-018A16L-11L | 16.0 | | 145.0 | | 1.2 | 0.20 | 31000 | 2 | R390-11.. |
| 20.0 | 07 | 20 | 2.0 | 5.80 | 2° | 0.5 | 1 | | 4 | R390-020A20-07M | 20.0 | 19.0 | 110.0 | 25.0 | 0.5 | 0.29 | 32500 | 4 | 390R-07.. |
| | 07 | 20 | 2.0 | 5.80 | 2° | 0.5 | 1 | | 5 | R390-020A20-07H | 20.0 | 19.0 | 110.0 | 25.0 | 0.5 | 0.27 | 32500 | 5 | 390R-07.. |
| | 11 | 20 | 5.5 | 10.00 | 5° | 1.0 | 1 | 2 | | R390-020A20-11L | 20.0 | | 110.0 | 25.0 | 1.2 | 0.26 | 34600 | 2 | R390-11.. |
| | 11 | 20 | 5.5 | 10.00 | 5° | 1.0 | 1 | 2 | | R390-020A20L-11L | 20.0 | | 170.0 | 40.0 | 1.2 | 0.50 | 20300 | 2 | R390-11.. |
| | 11 | 20 | 5.5 | 10.00 | 5° | 1.0 | 1 | 3 | | R390-020A20-11M | 20.0 | | 110.0 | 25.0 | 1.2 | 0.34 | 34600 | 3 | R390-11.. |
| 22.0 | 11 | 20 | 5.5 | 10.00 | 5° | 1.0 | 1 | 2 | | R390-022A20L-11L | 20.0 | | 170.0 | | 1.2 | 0.41 | 20300 | 2 | R390-11.. |
| 25.0 | 07 | 25 | 2.0 | 5.80 | 1° | 0.5 | 1 | | 5 | R390-025A25-07M | 25.0 | 24.0 | 120.0 | 32.0 | 0.5 | 0.46 | 28200 | 5 | 390R-07.. |
| | 07 | 25 | 2.0 | 5.80 | 1° | 0.5 | 1 | | 7 | R390-025A25-07H | 25.0 | 24.0 | 120.0 | 32.0 | 0.5 | 0.47 | 28200 | 7 | 390R-07.. |
| | 11 | 25 | 5.5 | 10.00 | 5° | 1.0 | 1 | 2 | | R390-025A25-11L | 25.0 | | 120.0 | 32.0 | 1.2 | 0.54 | 36500 | 2 | R390-11.. |
| | 11 | 25 | 5.5 | 10.00 | 5° | 1.0 | 1 | 2 | | R390-025A25L-11L | 25.0 | | 210.0 | 50.0 | 1.2 | 0.83 | 11000 | 2 | R390-11.. |
| | 11 | 25 | 5.5 | 10.00 | 5° | 1.0 | 1 | 3 | | R390-025A25-11M | 25.0 | | 120.0 | 32.0 | 1.2 | 0.42 | 36500 | 3 | R390-11.. |
| | 11 | 25 | 5.5 | 10.00 | 5° | 1.0 | 1 | 4 | | R390-025A25-11H | 25.0 | | 120.0 | 32.0 | 1.2 | 0.54 | 36500 | 4 | R390-11.. |
| | 17 | 25 | 8.5 | 15.70 | 15° | 1.5 | 1 | 2 | | R390-025A25-17L | 25.0 | | 120.0 | 32.0 | 3.0 | 0.50 | 30800 | 2 | R390-17.. |
| | 17 | 25 | 8.5 | 15.70 | 15° | 1.5 | 1 | 2 | | R390-025A25L-17L | 25.0 | | 210.0 | 50.0 | 3.0 | 0.84 | 11000 | 2 | R390-17.. |
| 30.0 | 11 | 25 | 5.5 | 10.00 | 3° | 1.0 | 1 | 2 | | R390-030A25L-11L | 25.0 | | 210.0 | | 1.2 | 0.86 | 11000 | 2 | R390-11.. |
| 32.0 | 11 | 32 | 5.5 | 10.00 | 3° | 1.0 | 1 | 2 | | R390-032A32-11L | 32.0 | | 130.0 | 40.0 | 1.2 | 0.74 | 31000 | 2 | R390-11.. |
| | 11 | 32 | 5.5 | 10.00 | 3° | 1.0 | 1 | 2 | | R390-032A32L-11L | 32.0 | | 250.0 | 65.0 | 1.2 | 1.66 | 7600 | 2 | R390-11.. |
| | 11 | 32 | 5.5 | 10.00 | 3° | 1.0 | 1 | | 3 | R390-032A32-11M | 32.0 | | 130.0 | 40.0 | 1.2 | 0.82 | 31000 | 3 | R390-11.. |
| | 11 | 32 | 5.5 | 10.00 | 3° | 1.0 | 1 | | 5 | R390-032A32-11H | 32.0 | | 130.0 | 40.0 | 1.2 | 0.79 | 31000 | 5 | R390-11.. |
| | 17 | 32 | 8.5 | 15.70 | 6° | 1.5 | 1 | 2 | | R390-032A32-17L | 32.0 | | 130.0 | 40.0 | 3.0 | 0.82 | 25600 | 2 | R390-17.. |
| | 17 | 32 | 8.5 | 15.70 | 6° | 1.5 | 1 | 2 | | R390-032A32L-17L | 32.0 | | 250.0 | 65.0 | 3.0 | 1.67 | 7600 | 2 | R390-17.. |
| | 17 | 32 | 8.5 | 15.70 | 6° | 1.5 | 1 | | 3 | R390-032A32-17M | 32.0 | | 130.0 | 40.0 | 3.0 | 0.81 | 25600 | 3 | R390-17.. |

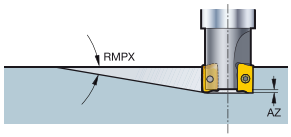
I74 L2 N23 N6 N9 N15

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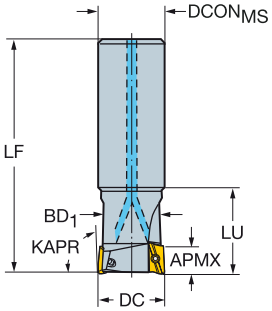
# Fresa de escuadrar CoroMill® 390

**Mango cilíndrico - Suministro de refrigerante interior**






KAPR 90°




| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | CNSC | | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | BD$_1$ | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40.0 | 11 | 32 | 5.5 | 10.00 | 2° | 1.0 | 1 | 2 | | R390-040A32-11L | 32.0 | | 170.0 | | 1.2 | 1.19 | 27000 | 2 | R390-11.. |
| | 11 | 32 | 5.5 | 10.00 | 2° | 1.0 | 1 | 2 | | R390-040A32L-11L | 32.0 | | 250.0 | | 1.2 | 1.82 | 7600 | 2 | R390-11.. |
| | 11 | 32 | 5.5 | 10.00 | 2° | 1.0 | 1 | | 4 | R390-040A32-11M | 32.0 | | 170.0 | | 1.2 | 1.16 | 27000 | 4 | R390-11.. |
| | 11 | 32 | 5.5 | 10.00 | 2° | 1.0 | 1 | | 6 | R390-040A32-11H | 32.0 | | 170.0 | | 1.2 | 1.19 | 27000 | 6 | R390-11.. |
| | 17 | 32 | 8.5 | 15.70 | 3° | 1.5 | 1 | 2 | | R390-040A32-17L | 32.0 | | 170.0 | | 3.0 | 1.19 | 21900 | 2 | R390-17.. |
| | 17 | 32 | 8.5 | 15.70 | 3° | 1.5 | 1 | 2 | | R390-040A32L-17L | 32.0 | | 250.0 | | 3.0 | 1.84 | 7600 | 2 | R390-17.. |
| | 17 | 32 | 8.5 | 15.70 | 3° | 1.5 | 1 | | 3 | R390-040A32-17M | 32.0 | | 170.0 | | 3.0 | 1.14 | 21900 | 3 | R390-17.. |
| | 17 | 32 | 8.5 | 15.70 | 3° | 1.5 | 1 | 4 | | R390-040A32-17H | 32.0 | | 170.0 | | 3.0 | 1.14 | 21900 | 4 | R390-17.. |

| | | Piezas de repuesto |
|---|---|---|
| DC | | Tornillo de plaquita |
| 10.00-25.00 | 07 | 5513 020-82 |
| 12.00-22.00 | 11 | 5513 020-36 |
| 25.00-40.00 | 11 | 5513 020-35 |
| 25.00 | 17 | 5513 020-37 |
| 32.00-40.00 | 17 | 5513 020-39 |

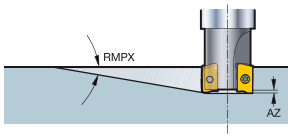
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

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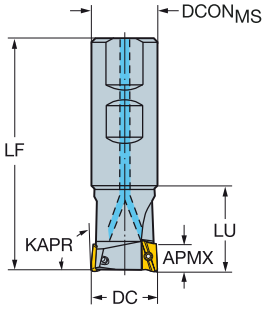
# Fresa de escuadrar CoroMill® 390

**Weldon - Suministro de refrigerante interior**






KAPR 90°




| DC | | CZCMS | APMXEFW | APMXFFW | RMPX | AZ | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | ISO | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.0 | 11 | 16 | 5.5 | 10.00 | 6° | 1.0 | 1 | 1 | | R390-012B16-11L | 16.0 | WE | 68.0 | 17.2 | 1.2 | 0.18 | 68600 | 1 | R390-11.. |
| 16.0 | 11 | 16 | 5.5 | 10.00 | 10° | 1.0 | 1 | 2 | | R390-016B16-11L | 16.0 | WE | 73.0 | 25.0 | 1.2 | 0.11 | 41500 | 2 | R390-11.. |
| 20.0 | 11 | 20 | 5.5 | 10.00 | 5° | 1.0 | 1 | 2 | | R390-020B20-11L | 20.0 | WE | 81.0 | 25.0 | 1.2 | 0.19 | 34600 | 2 | R390-11.. |
| | 11 | 20 | 5.5 | 10.00 | 5° | 1.0 | 1 | 3 | | R390-020B20-11M | 20.0 | WE | 81.0 | 25.0 | 1.2 | 0.29 | 34600 | 3 | R390-11.. |
| 25.0 | 11 | 25 | 5.5 | 10.00 | 5° | 1.0 | 1 | 2 | | R390-025B25-11L | 25.0 | WE | 88.0 | 32.0 | 1.2 | 0.41 | 36500 | 2 | R390-11.. |
| | 11 | 25 | 5.5 | 10.00 | 5° | 1.0 | 1 | 3 | | R390-025B25-11M | 25.0 | WE | 88.0 | 32.0 | 1.2 | 0.38 | 36500 | 3 | R390-11.. |
| | 11 | 25 | 5.5 | 10.00 | 5° | 1.0 | 1 | 4 | | R390-025B25-11H | 25.0 | WE | 88.0 | 32.0 | 1.2 | 0.38 | 36500 | 4 | R390-11.. |
| | 17 | 25 | 8.5 | 15.70 | 15° | 1.5 | 1 | 2 | | R390-025B25-17L | 25.0 | WE | 88.0 | 32.0 | 3.0 | 0.41 | 30800 | 2 | R390-17.. |
| 32.0 | 11 | 32 | 5.5 | 10.00 | 3° | 1.0 | 1 | 2 | | R390-032B32-11L | 32.0 | WE | 100.0 | 40.0 | 1.2 | 0.65 | 31000 | 2 | R390-11.. |
| | 11 | 32 | 5.5 | 10.00 | 3° | 1.0 | 1 | | 3 | R390-032B32-11M | 32.0 | WE | 100.0 | 40.0 | 1.2 | 0.68 | 31000 | 3 | R390-11.. |
| | 11 | 32 | 5.5 | 10.00 | 3° | 1.0 | 1 | | 5 | R390-032B32-11H | 32.0 | WE | 100.0 | 40.0 | 1.2 | 0.65 | 31000 | 5 | R390-11.. |
| | 17 | 32 | 8.5 | 15.70 | 6° | 1.5 | 1 | 2 | | R390-032B32-17L | 32.0 | WE | 100.0 | 40.0 | 3.0 | 0.64 | 25600 | 2 | R390-17.. |
| | 17 | 32 | 8.5 | 15.70 | 6° | 1.5 | 1 | | 3 | R390-032B32-17M | 32.0 | WE | 100.0 | 40.0 | 3.0 | 0.62 | 25600 | 3 | R390-17.. |
| 40.0 | 11 | 32 | 5.5 | 10.00 | 2° | 1.0 | 1 | | 4 | R390-040B32-11M | 32.0 | WE | 110.0 | | 1.2 | 0.81 | 27000 | 4 | R390-11.. |
| | 11 | 32 | 5.5 | 10.00 | 2° | 1.0 | 1 | | 6 | R390-040B32-11H | 32.0 | WE | 110.0 | | 1.2 | 0.84 | 27000 | 6 | R390-11.. |
| | 17 | 32 | 8.5 | 15.70 | 3° | 1.5 | 1 | 2 | | R390-040B32-17L | 32.0 | WE | 110.0 | | 3.0 | 0.82 | 21900 | 2 | R390-17.. |
| | 17 | 32 | 8.5 | 15.70 | 3° | 1.5 | 1 | | 3 | R390-040B32-17M | 32.0 | WE | 110.0 | | 3.0 | 0.80 | 21900 | 3 | R390-17.. |
| | 17 | 32 | 8.5 | 15.70 | 3° | 1.5 | 1 | 4 | | R390-040B32-17H | 32.0 | WE | 110.0 | | 3.0 | 0.80 | 21900 | 4 | R390-17.. |

| | | Piezas de repuesto |
|---|---|---|
| DC | | Tornillo de plaquita |
| 12.00-20.00 | 11 | 5513 020-36 |
| 25.00-40.00 | 11 | 5513 020-35 |
| 25.00 | 17 | 5513 020-37 |
| 32.00-40.00 | 17 | 5513 020-39 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

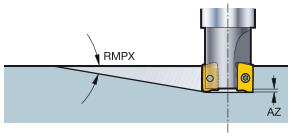
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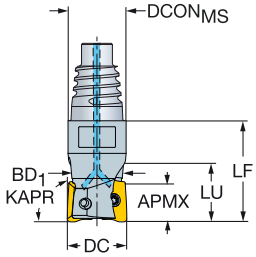
# Fresa de escuadrar CoroMill® 390

**Coromant EH - Suministro de refrigerante interior**






KAPR 90°




| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | CNSC | | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | BD | LB | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.7 | 07 | E10 | 2.0 | 5.80 | 7° | 0.5 | 1 | 2 | | R390-0097EH10-07L | 9.7 | 9.2 | 12.5 | 20.0 | 12.5 | 0.5 | 0.12 | 55600 | 2 | 390R-07.. |
| 10.0 | 07 | E10 | 2.0 | 5.80 | 7° | 0.5 | 1 | 2 | | R390-010EH10-07L | 9.7 | 9.3 | 12.5 | 20.0 | 12.5 | 0.5 | 0.07 | 54100 | 2 | 390R-07.. |
| 11.7 | 07 | E12 | 2.0 | 5.80 | 5° | 0.5 | 1 | 2 | | R390-0117EH12-07L | 11.7 | 11.0 | 11.9 | 20.0 | 11.9 | 0.5 | 0.04 | 47400 | 2 | 390R-07.. |
| 12.0 | 07 | E12 | 2.0 | 5.80 | 5° | 0.5 | 1 | 2 | | R390-012EH12-07L | 11.7 | 11.3 | 11.9 | 20.0 | 11.9 | 0.5 | 0.12 | 46500 | 2 | 390R-07.. |
| | 07 | E12 | 2.0 | 5.80 | 5° | 0.5 | 1 | | 3 | R390-012EH12-07M | 11.7 | 11.3 | 11.9 | 20.0 | 11.9 | 0.5 | 0.07 | 46500 | 3 | 390R-07.. |
| 13.7 | 07 | E12 | 2.0 | 5.80 | 3° | 0.5 | 1 | 2 | | R390-0137EH12-07L | 11.7 | 12.9 | 20.0 | 20.0 | | 0.5 | 0.13 | 42000 | 2 | 390R-07.. |
| | 07 | E12 | 2.0 | 5.80 | 3° | 0.5 | 1 | | 3 | R390-0137EH12-07M | 11.7 | 12.9 | 20.0 | 20.0 | | 0.5 | 0.12 | 42000 | 3 | 390R-07.. |
| 14.0 | 07 | E12 | 2.0 | 5.80 | 3° | 0.5 | 1 | | 3 | R390-014EH12-07M | 11.7 | 13.2 | 20.0 | 20.0 | | 0.5 | 0.07 | 41400 | 3 | 390R-07.. |
| 15.7 | 07 | E16 | 2.0 | 5.80 | 3° | 0.5 | 1 | | 3 | R390-0157EH16-07M | 15.5 | 14.7 | 15.7 | 25.0 | 15.7 | 0.5 | 0.10 | 38100 | 3 | 390R-07.. |
| 16.0 | 07 | E16 | 2.0 | 5.80 | 3° | 0.5 | 1 | | 3 | R390-016EH16-07M | 15.5 | 15.0 | 15.7 | 25.0 | 15.7 | 0.5 | 0.09 | 37600 | 3 | 390R-07.. |
| | 07 | E16 | 2.0 | 5.80 | 3° | 0.5 | 1 | | 4 | R390-016EH16-07H | 15.5 | 15.0 | 15.7 | 25.0 | 15.7 | 0.5 | 0.14 | 37600 | 4 | 390R-07.. |
| | 11 | E16 | 5.5 | 10.00 | 10° | 1.0 | 1 | 2 | | R390-016EH16-11L | 15.5 | | | 27.0 | | 1.2 | 0.08 | 41500 | 2 | R390-11.. |
| 18.0 | 07 | E16 | 2.0 | 5.80 | 2° | 0.5 | 1 | | 3 | R390-018EH16-07M | 15.5 | 17.0 | 25.0 | 25.0 | | 0.5 | 0.10 | 34800 | 3 | 390R-07.. |
| | 11 | E16 | 5.5 | 10.00 | 5° | 1.0 | 1 | 2 | | R390-018EH16-11L | 15.5 | | | 27.0 | | 1.2 | 0.11 | 31000 | 2 | R390-11.. |
| 20.0 | 07 | E20 | 2.0 | 5.80 | 2° | 0.5 | 1 | | 4 | R390-020EH20-07M | 19.3 | 19.0 | 14.4 | 25.0 | 14.4 | 0.5 | 0.10 | 32500 | 4 | 390R-07.. |
| | 07 | E20 | 2.0 | 5.80 | 2° | 0.5 | 1 | | 5 | R390-020EH20-07H | 19.3 | 19.0 | 14.4 | 25.0 | 14.4 | 0.5 | 0.16 | 32500 | 5 | 390R-07.. |
| | 11 | E20 | 5.5 | 10.00 | 5° | 1.0 | 1 | 2 | | R390-020EH20-11L | 19.3 | | | 30.0 | | 1.2 | 0.13 | 34600 | 2 | R390-11.. |
| | 11 | E20 | 5.5 | 10.00 | 5° | 1.0 | 1 | 3 | | R390-020EH20-11M | 19.3 | | | 30.0 | | 1.2 | 0.13 | 34600 | 3 | R390-11.. |
| 22.0 | 11 | E20 | 5.5 | 10.00 | 5° | 1.0 | 1 | 2 | | R390-022EH20-11L | 19.3 | | | 30.0 | | 1.2 | 0.14 | 36500 | 2 | R390-11.. |
| | 11 | E20 | 5.5 | 10.00 | 5° | 1.0 | 1 | 3 | | R390-022EH20-11M | 19.3 | | | 30.0 | | 1.2 | 0.14 | 36500 | 3 | R390-11.. |
| 25.0 | 07 | E20 | 2.0 | 5.80 | 1° | 0.5 | 1 | | 5 | R390-025EH20-07M | 19.3 | 24.0 | 25.0 | 25.0 | | 0.5 | 0.07 | 28200 | 5 | 390R-07.. |
| | 07 | E25 | 2.0 | 5.80 | 1° | 0.5 | 1 | | 5 | R390-025EH25-07M | 24.2 | 24.0 | 13.9 | 25.0 | 13.9 | 0.5 | 0.20 | 28200 | 5 | 390R-07.. |
| | 07 | E20 | 2.0 | 5.80 | 1° | 0.5 | 1 | | 7 | R390-025EH20-07H | 19.3 | 24.0 | 25.0 | 25.0 | | 0.5 | 0.07 | 28200 | 7 | 390R-07.. |
| | 07 | E25 | 2.0 | 5.80 | 1° | 0.5 | 1 | | 7 | R390-025EH25-07H | 24.2 | 24.0 | 13.9 | 25.0 | 13.9 | 0.5 | 0.20 | 28200 | 7 | 390R-07.. |
| | 11 | E25 | 5.5 | 10.00 | 5° | 1.0 | 1 | 2 | | R390-025EH25-11L | 24.2 | | | 35.0 | | 1.2 | 0.13 | 36400 | 2 | R390-11.. |
| | 11 | E25 | 5.5 | 10.00 | 5° | 1.0 | 1 | 3 | | R390-025EH25-11M | 24.2 | | | 35.0 | | 1.2 | 0.14 | 36400 | 3 | R390-11.. |
| | 11 | E25 | 5.5 | 10.00 | 5° | 1.0 | 1 | 4 | | R390-025EH25-11H | 24.2 | | | 35.0 | | 1.2 | 0.19 | 36400 | 4 | R390-11.. |
| | 17 | E25 | 8.5 | 15.70 | 15° | 1.5 | 1 | 2 | | R390-025EH25-17L | 24.2 | | | 40.0 | | 3.0 | 0.20 | 30800 | 2 | R390-17.. |
| 28.0 | 11 | E25 | 5.5 | 10.00 | 1° | 1.0 | 1 | 2 | | R390-028EH25-11L | 24.2 | | | 35.0 | | 1.2 | 0.20 | 31000 | 2 | R390-11.. |
| | 11 | E25 | 5.5 | 10.00 | 2° | 1.0 | 1 | 3 | | R390-028EH25-11M | 24.2 | | | 35.0 | | 1.2 | 0.20 | 31000 | 3 | R390-11.. |
| 32.0 | 07 | E25 | 2.0 | 5.80 | 1° | 0.5 | 1 | | 6 | R390-032EH25-07M | 24.2 | 30.4 | 25.0 | 25.0 | | 0.5 | 0.12 | 24400 | 6 | 390R-07.. |
| | 07 | E25 | 2.0 | 5.80 | 1° | 0.5 | 1 | | 8 | R390-032EH25-07H | 24.2 | 30.4 | 25.0 | 25.0 | | 0.5 | 0.12 | 24400 | 8 | 390R-07.. |
| | 11 | E25 | 5.5 | 10.00 | 3° | 1.0 | 1 | 2 | | R390-032EH25-11L | 24.2 | | | 35.0 | | 1.2 | 0.23 | 31000 | 2 | R390-11.. |
| | 11 | E25 | 5.5 | 10.00 | 3° | 1.0 | 1 | | 3 | R390-032EH25-11M | 24.2 | | | 35.0 | | 1.2 | 0.21 | 31000 | 3 | R390-11.. |
| | 11 | E25 | 5.5 | 10.00 | 3° | 1.0 | 1 | | 5 | R390-032EH25-11H | 24.2 | | | 35.0 | | 1.2 | 0.21 | 31000 | 5 | R390-11.. |
| | 17 | E25 | 8.5 | 15.70 | 6° | 1.5 | 1 | 2 | | R390-032EH25-17L | 24.2 | | | 40.0 | | 3.0 | 0.22 | 25600 | 2 | R390-17.. |
| | 17 | E25 | 8.5 | 15.70 | 6° | 1.5 | 1 | | 3 | R390-032EH25-17M | 24.2 | | | 40.0 | | 3.0 | 0.18 | 25600 | 3 | R390-17.. |

| | | Piezas de repuesto |
|---|---|---|
| DC | | Tornillo de plaquita |
| 10.00-32.00 | 07 | 5513 020-82 |
| 16.00-22.00 | 11 | 5513 020-36 |
| 25.00-32.00 | 11 | 5513 020-35 |
| 25.00 | 17 | 5513 020-37 |
| 32.00 | 17 | 5513 020-39 |

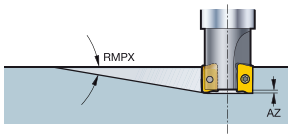
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I74 L2 N23 N6 N9 N15 N3

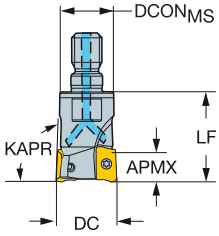
# Fresa de escuadrar CoroMill® 390

**Acoplamiento roscado - Suministro de refrigerante interior**






KAPR 90°




| DC | | CZCMS | APMXEFW | APMXFFW | RMPX | AZ | CNSC | | Código de pedido | Dimensiones, mm DCONMS | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.0 | 11 | M8 | 5.5 | 10.00 | 10° | 1.0 | 0 | 2 | **R390-16T08-11L** | 12.8 | 25.0 | 1.2 | 0.13 | 10900 | 2 | R390-11.. |
| 20.0 | 11 | M10 | 5.5 | 10.00 | 5° | 1.0 | 1 | 2 | **R390-20T10-11L** | 17.8 | 30.0 | 1.2 | 0.16 | 9900 | 2 | R390-11.. |
| | 11 | M10 | 5.5 | 10.00 | 5° | 1.0 | 1 | 3 | **R390-20T10-11M** | 17.8 | 30.0 | 1.2 | 0.18 | 9900 | 3 | R390-11.. |
| 25.0 | 11 | M12 | 5.5 | 10.00 | 5° | 1.0 | 1 | 2 | **R390-25T12-11L** | 20.8 | 35.0 | 1.2 | 0.20 | 8100 | 2 | R390-11.. |
| | 11 | M12 | 5.5 | 10.00 | 5° | 1.0 | 1 | 3 | **R390-25T12-11M** | 20.8 | 35.0 | 1.2 | 0.20 | 8100 | 3 | R390-11.. |
| 32.0 | 11 | M16 | 5.5 | 10.00 | 3° | 1.0 | 1 | 2 | **R390-32T16-11L** | 28.8 | 45.0 | 1.2 | 0.32 | 9100 | 2 | R390-11.. |
| | 11 | M16 | 5.5 | 10.00 | 3° | 1.0 | 1 | 3 | **R390-32T16-11M** | 28.8 | 45.0 | 1.2 | 0.31 | 9100 | 3 | R390-11.. |
| 35.0 | 11 | M16 | 5.5 | 10.00 | 3° | 1.0 | 1 | 2 | **R390-35T16-11L** | 28.8 | 45.0 | 1.2 | 0.39 | 9100 | 2 | R390-11.. |
| | 11 | M16 | 5.5 | 10.00 | 3° | 1.0 | 1 | 3 | **R390-35T16-11M** | 28.8 | 45.0 | 1.2 | 0.34 | 9100 | 3 | R390-11.. |
| 40.0 | 11 | M16 | 5.5 | 10.00 | 2° | 1.0 | 1 | 2 | **R390-40T16-11L** | 28.8 | 45.0 | 1.2 | 0.40 | 9100 | 2 | R390-11.. |
| | 11 | M16 | 5.5 | 10.00 | 2° | 1.0 | 1 | 4 | **R390-40T16-11M** | 28.8 | 45.0 | 1.2 | 0.40 | 9100 | 4 | R390-11.. |
| 42.0 | 11 | M16 | 5.5 | 10.00 | 1° | 1.0 | 1 | 4 | **R390-42T16-11M** | 28.8 | 45.0 | 1.2 | 0.40 | 9100 | 4 | R390-11.. |

| | | Piezas de repuesto |
|---|---|---|
| DC | | Tornillo de plaquita |
| 16.00-20.00 | 11 | 5513 020-36 |
| 25.00-42.00 | 11 | 5513 020-35 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I74 N23 N6 N9 N15 N3

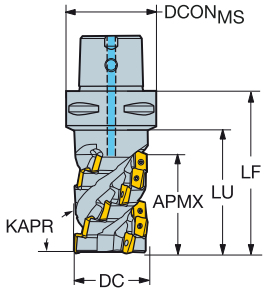
SPA

# Fresa de escuadrar de filo largo CoroMill® 390

**Coromant Capto® - Suministro de refrigerante interior**

KAPR 90°






| DC | | CZCMS | APMXFFW | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32.0 | 11 | C5 | 36.00 | 3 | 2 | | R390-032C5-36L | 50.0 | 71.7 | 46.0 | 1.2 | 1.12 | 21700 | 8 | R390-11.. |
| | 11 | C5 | 36.00 | 3 | | 3 | R390-032C5-36M | 50.0 | 71.7 | 45.0 | 1.2 | 0.60 | 21700 | 12 | R390-11.. |
| | 11 | C5 | 54.00 | 3 | 2 | | R390-032C5-54L | 50.0 | 89.4 | 63.0 | 1.2 | 1.14 | 21700 | 12 | R390-11.. |
| | 11 | C6 | 63.00 | 3 | 2 | | R390-032C6-63L | 63.0 | 100.2 | 72.0 | 1.2 | 1.51 | 21700 | 14 | R390-11.. |
| | 11 | C6 | 45.00 | 3 | | 3 | R390-032C6-45M | 63.0 | 82.5 | 54.0 | 1.2 | 1.40 | 21700 | 15 | R390-11.. |
| | 11 | C5 | 54.00 | 3 | | 3 | R390-032C5-54M | 50.0 | 89.4 | 63.0 | 1.2 | 1.16 | 21700 | 18 | R390-11.. |
| 36.0 | 11 | C3 | 36.00 | 3 | 2 | | R390-036C3-36L | 32.0 | 66.7 | 66.0 | 1.2 | 0.70 | 20200 | 8 | R390-11.. |
| | 11 | C3 | 36.00 | 3 | | 3 | R390-036C3-36M | 32.0 | 66.7 | 66.0 | 1.2 | 0.65 | 20200 | 12 | R390-11.. |
| 40.0 | 11 | C5 | 54.00 | 3 | | 3 | R390-040C5-54M | 50.0 | 89.4 | 63.0 | 1.2 | 0.80 | 18900 | 18 | R390-11.. |
| | 11 | C6 | 63.00 | 3 | | 3 | R390-040C6-63M | 63.0 | 100.2 | 72.0 | 1.2 | 1.28 | 18900 | 21 | R390-11.. |
| | 11 | C5 | 54.00 | 3 | | 4 | R390-040C5-54H | 50.0 | 89.4 | 63.0 | 1.2 | 1.31 | 18900 | 24 | R390-11.. |
| | 11 | C6 | 63.00 | 3 | | 4 | R390-040C6-63H | 63.0 | 100.2 | 72.0 | 1.2 | 1.65 | 18900 | 28 | R390-11.. |
| 44.0 | 11 | C4 | 45.00 | 3 | | 3 | R390-044C4-45M | 40.0 | 80.5 | | 1.2 | 0.97 | 17800 | 15 | R390-11.. |
| | 18 | C4 | 43.00 | 3 | 2 | | R390-044C4-43L | 40.0 | 78.6 | | 3.0 | 0.90 | 8600 | 6 | R390-18.. |
| | 18 | C5 | 43.00 | 3 | 2 | | R390-044C5-43L | 50.0 | 78.6 | 53.0 | 3.0 | 1.29 | 9200 | 6 | R390-18.. |
| | 18 | C5 | 57.00 | 3 | | 2 | R390-044C5-57L | 50.0 | 92.6 | 67.0 | 3.0 | 1.36 | 9200 | 8 | R390-18.. |
| | 18 | C6 | 57.00 | 3 | 2 | | R390-044C6-57L | 63.0 | 94.6 | 67.0 | 3.0 | 1.69 | 9200 | 8 | R390-18.. |
| 50.0 | 11 | C5 | 36.00 | 3 | | 3 | R390-050C5-36L | 50.0 | 71.7 | 50.0 | 1.2 | 1.31 | 16600 | 12 | R390-11.. |
| | 11 | C5 | 36.00 | 3 | | 4 | R390-050C5-36M | 50.0 | 71.7 | 50.0 | 1.2 | 1.44 | 16600 | 16 | R390-11.. |
| | 11 | C5 | 54.00 | 3 | | 3 | R390-050C5-54L | 50.0 | 89.4 | 67.0 | 1.2 | 1.20 | 16600 | 18 | R390-11.. |
| | 11 | C5 | 36.00 | 3 | 5 | | R390-050C5-36H | 50.0 | 71.7 | 50.0 | 1.2 | 1.29 | 16600 | 20 | R390-11.. |
| | 11 | C5 | 54.00 | 3 | | 4 | R390-050C5-54M | 50.0 | 89.4 | 67.0 | 1.2 | 1.59 | 16600 | 24 | R390-11.. |
| | 11 | C6 | 63.00 | 3 | | 4 | R390-050C6-63M | 63.0 | 100.2 | 72.0 | 1.2 | 1.99 | 16600 | 28 | R390-11.. |
| | 11 | C6 | 63.00 | 3 | 5 | | R390-050C6-63H | 63.0 | 100.2 | 72.0 | 1.2 | 2.00 | 16600 | 35 | R390-11.. |
| | 18 | C5 | 43.00 | 3 | 2 | | R390-050C5-43L | 50.0 | 78.6 | 53.0 | 3.0 | 1.00 | 7900 | 6 | R390-18.. |
| | 18 | C6 | 43.00 | 3 | | 3 | R390-050C6-43M | 63.0 | 80.6 | 53.0 | 3.0 | 1.70 | 7900 | 9 | R390-18.. |
| | 18 | C6 | 71.00 | 3 | 2 | | R390-050C6-71L | 63.0 | 108.7 | 81.0 | 3.0 | 2.04 | 7900 | 10 | R390-18.. |
| | 18 | C8 | 57.00 | 3 | | 3 | R390-050C8-57M | 80.0 | 102.6 | 67.0 | 3.0 | 2.76 | 7900 | 12 | R390-18.. |
| | 18 | C6 | 71.00 | 3 | 3 | | R390-050C6-71M | 63.0 | 108.7 | 81.0 | 3.0 | 1.50 | 7900 | 15 | R390-18.. |
| 54.0 | 11 | C5 | 54.00 | 3 | | 4 | R390-054C5-54M | 50.0 | 89.4 | | 1.2 | 1.70 | 16000 | 24 | R390-11.. |
| | 18 | C5 | 43.00 | 3 | | 3 | R390-054C5-43M | 50.0 | 78.6 | | 3.0 | 1.00 | 7500 | 9 | R390-18.. |
| 63.0 | 18 | C6 | 43.00 | 3 | | 4 | R390-063C6-43M | 63.0 | 80.6 | 53.0 | 3.0 | 2.09 | 6800 | 12 | R390-18.. |
| | 18 | C6 | 57.00 | 3 | | 3 | R390-063C6-57L | 63.0 | 94.6 | 67.0 | 3.0 | 2.36 | 6800 | 12 | R390-18.. |
| | 18 | C8 | 57.00 | 3 | | 4 | R390-063C8-57M | 80.0 | 102.6 | 67.0 | 3.0 | 3.19 | 6800 | 16 | R390-18.. |
| | 18 | C8 | 85.00 | 3 | | 3 | R390-063C8-85L | 80.0 | 130.7 | 95.0 | 3.0 | 3.73 | 6800 | 18 | R390-18.. |
| 66.0 | 11 | C6 | 45.00 | 3 | | 4 | R390-066C6-45M | 63.0 | 82.5 | | 1.2 | 2.00 | 13900 | 20 | R390-11.. |
| | 18 | C6 | 57.00 | 3 | | 3 | R390-066C6-57L | 63.0 | 94.6 | | 3.0 | 2.47 | 6700 | 12 | R390-18.. |
| 80.0 | 18 | C8 | 71.00 | 3 | | 3 | R390-080C8-71L | 80.0 | 116.7 | 81.0 | 3.0 | 4.64 | 5900 | 15 | R390-18.. |
| | 18 | C8 | 57.00 | 3 | 5 | | R390-080C8-57H | 80.0 | 102.6 | 67.0 | 3.0 | 4.04 | 5900 | 20 | R390-18.. |
| 84.0 | 18 | C8 | 57.00 | 3 | | 4 | R390-084C8-57M | 80.0 | 102.6 | | 3.0 | 4.15 | 5800 | 16 | R390-18.. |
| 100.0 | 18 | C8 | 57.00 | 3 | | 4 | R390-100C8-57M | 80.0 | 102.6 | | 3.0 | 5.46 | 5200 | 16 | R390-18.. |
| | 18 | C8 | 71.00 | 3 | | 4 | R390-100C8-71M | 80.0 | 116.7 | | 3.0 | 6.01 | 5200 | 20 | R390-18.. |
| | 18 | C8 | 57.00 | 3 | 6 | | R390-100C8-57H | 80.0 | 102.6 | | 3.0 | 5.08 | 5200 | 24 | R390-18.. |

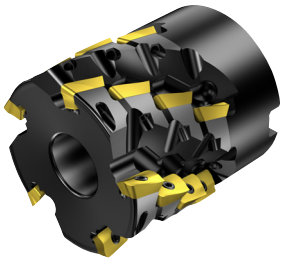
| | Piezas de repuesto |
|---|---|
| | Tornillo de plaquita |
| 11 | 5513 024-01 |
| 18 | 5513 036-01 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

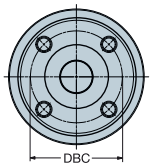
I74 L2 N23 N6 N9 N15

# Fresa de escuadrar de filo largo CoroMill® 390

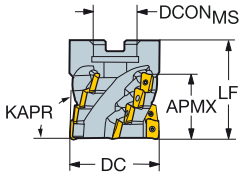
**En eje**



STDNO
KAPR




ISO6462
90°




| DC | | CZCMS | APMXFFW | | | Código de pedido | Dimensiones, mm DCONMS | ISO | DBC | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40.0 | 11 | 16 | 36.00 | | 3 | R390-040Q16-36M | 16.0 | A | | 56.7 | 1.2 | 0.80 | 18900 | 12 | R390-11.. |
| | 11 | 16 | 36.00 | 4 | | R390-040Q16-36H | 16.0 | A | | 56.7 | 1.2 | 0.30 | 18900 | 16 | R390-11.. |
| 44.0 | 11 | 16 | 45.00 | | 3 | R390-044Q16-45M | 16.0 | A | | 65.5 | 1.2 | 0.98 | 17800 | 15 | R390-11.. |
| | 18 | 16 | 43.00 | 2 | | R390-044Q16-43L | 16.0 | A | | 68.6 | 3.0 | 0.91 | 8600 | 6 | R390-18.. |
| 50.0 | 11 | 22 | 36.00 | | 4 | R390-050Q22-36M | 22.0 | A | | 56.7 | 1.2 | 0.94 | 16600 | 16 | R390-11.. |
| | 11 | 22 | 54.00 | | 3 | R390-050Q22-54L | 22.0 | A | | 74.4 | 1.2 | 1.09 | 16600 | 18 | R390-11.. |
| | 11 | 22 | 36.00 | 5 | | R390-050Q22-36H | 22.0 | A | | 56.7 | 1.2 | 0.99 | 16600 | 20 | R390-11.. |
| | 18 | 22 | 57.00 | | 2 | R390-050Q22-57L | 22.0 | A | | 82.6 | 3.0 | 1.09 | 7900 | 8 | R390-18.. |
| 54.0 | 11 | 22 | 36.00 | | 4 | R390-054Q22-36M | 22.0 | A | | 56.7 | 1.2 | 1.08 | 16000 | 16 | R390-11.. |
| | 18 | 22 | 57.00 | 2 | | R390-054Q22-57L | 22.0 | A | | 82.6 | 3.0 | 0.91 | 7500 | 8 | R390-18.. |
| 63.0 | 18 | 27 | 57.00 | | 3 | R390-063Q27-57L | 27.0 | A | | 82.6 | 3.0 | 1.58 | 6800 | 12 | R390-18.. |
| 80.0 | 18 | 32 | 71.00 | | 3 | R390-080Q32-71L | 32.0 | A | | 96.7 | 3.0 | 2.88 | 5900 | 15 | R390-18.. |
| 100.0 | 18 | 40 | 57.00 | | 4 | R390-100Q40-57M | 40.0 | B | | 82.6 | 3.0 | 3.37 | 5200 | 16 | R390-18.. |
| 125.0 | 18 | 40 | 43.00 | 6 | | R390-125Q40-43L | 40.0 | B | | 68.6 | 3.0 | 5.00 | 4600 | 18 | R390-18.. |
| 160.0 | 18 | 40S | 43.00 | 8 | | R390-160Q40-43L | 40.0 | C | 66.7 | 68.6 | 3.0 | 7.21 | 4000 | 24 | R390-18.. |

| | Piezas de repuesto |
|---|---|
| | Tornillo de plaquita |
| 11 | 5513 024-01 |
| 18 | 5513 036-01 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I74 L2 M1 N23 N6 N9



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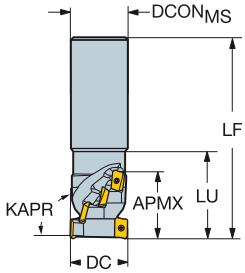
SPA

# Fresa de escuadrar de filo largo CoroMill® 390

**Mango cilíndrico**



KAPR 90°




| DC | | CZC$_{MS}$ | APMX$_{FFW}$ | | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32.0 | 11 | 25 | 36.00 | 2 | | **R390-032A25-36L** | 25.0 | 108.7 | | 1.2 | 0.59 | 21700 | 8 | R390-11.. |
| | 11 | 32 | 36.00 | 2 | | **R390-032A32-36L** | 32.0 | 112.7 | 48.0 | 1.2 | 0.74 | 21700 | 8 | R390-11.. |
| 40.0 | 11 | 40 | 45.00 | | 3 | **R390-040A40-45M** | 40.0 | 131.5 | 58.0 | 1.2 | 1.23 | 18900 | 15 | R390-11.. |

| Piezas de repuesto |
|---|
| Tornillo de plaquita |
| 5513 024-01 |

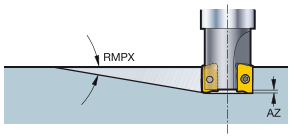
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I74 L2 N23 N6 N9

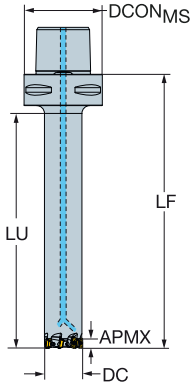
# Fresa de escuadrar CoroMill® 390 antivibratoria

**Coromant Capto® - Suministro de refrigerante interior**






KAPR 90°




| DC | | CZCMS | APMXEFW | APMXFFW | RMPX | AZ | CNSC | | Código de pedido | Dimensiones, mm DCONMS | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.0 | 07 | C5 | 2.0 | 5.80 | 2° | 0.5 | 3 | 5 | R390-020C5D-07H145 | 50.0 | 145.0 | 120.0 | 0.5 | 0.92 | 20000 | 5 | 390R-07.. |
| | 07 | C6 | 2.0 | 5.80 | 2° | 0.5 | 3 | 5 | R390-020C6D-07H147 | 63.0 | 147.0 | 120.0 | 0.5 | 1.25 | 20000 | 5 | 390R-07.. |
| | 11 | C5 | 5.5 | 10.00 | 5° | 1.0 | 3 | 2 | R390-020C5D-11L145 | 50.0 | 145.0 | 120.0 | 1.2 | 0.91 | 20000 | 2 | R390-11.. |
| | 11 | C6 | 5.5 | 10.00 | 5° | 1.0 | 3 | 2 | R390-020C6D-11L147 | 63.0 | 147.0 | 120.0 | 1.2 | 1.24 | 20000 | 2 | R390-11.. |
| 25.0 | 07 | C5 | 2.0 | 5.80 | 1° | 0.5 | 3 | 7 | R390-025C5D-07H175 | 50.0 | 175.0 | 150.0 | 0.5 | 1.19 | 20000 | 7 | 390R-07.. |
| | 07 | C6 | 2.0 | 5.80 | 1° | 0.5 | 3 | 7 | R390-025C6D-07H177 | 63.0 | 177.0 | 150.0 | 0.5 | 1.52 | 20000 | 7 | 390R-07.. |
| | 11 | C5 | 5.5 | 10.00 | 5° | 1.0 | 3 | 2 | R390-025C5D-11L175 | 50.0 | 175.0 | 150.0 | 1.2 | 1.19 | 20000 | 2 | R390-11.. |
| | 11 | C6 | 5.5 | 10.00 | 5° | 1.0 | 3 | 2 | R390-025C6D-11L177 | 63.0 | 177.0 | 150.0 | 1.2 | 1.53 | 20000 | 2 | R390-11.. |
| 32.0 | 07 | C5 | 2.0 | 5.80 | 1° | 0.5 | 3 | 8 | R390-032C5D-07H217 | 50.0 | 217.0 | 192.0 | 0.5 | 1.82 | 15000 | 8 | 390R-07.. |
| | 07 | C6 | 2.0 | 5.80 | 1° | 0.5 | 3 | 8 | R390-032C6D-07H219 | 63.0 | 219.0 | 192.0 | 0.5 | 2.15 | 15000 | 8 | 390R-07.. |
| | 11 | C5 | 5.5 | 10.00 | 3° | 1.0 | 3 | 2 | R390-032C5D-11L217 | 50.0 | 217.0 | 192.0 | 1.2 | 1.83 | 15000 | 2 | R390-11.. |
| | 11 | C6 | 5.5 | 10.00 | 3° | 1.0 | 3 | 2 | R390-032C6D-11L219 | 63.0 | 219.0 | 192.0 | 1.2 | 2.17 | 15000 | 2 | R390-11.. |

| | | Piezas de repuesto |
|---|---|---|
| DC | | Tornillo de plaquita |
| 20.00-32.00 | 07 | 5513 020-82 |
| 20.00 | 11 | 5513 020-36 |
| 25.00-32.00 | 11 | 5513 020-35 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I74 L2 N23 N6 N9 N15 L109



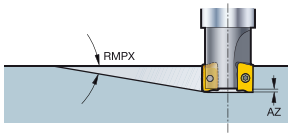
SANDVIK Coromant

SPA

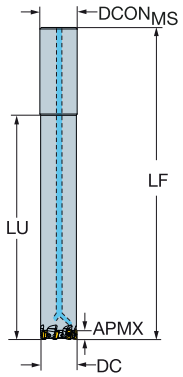
# Fresa de escuadrar CoroMill® 390 antivibratoria

**Mango cilíndrico - Suministro de refrigerante interior**






KAPR 90°




| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | CNSC | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.0 | 07 | 20 | 2.0 | 5.80 | 2° | 0.5 | 1 | 5 | **R390-020A20D-07H** | 20.0 | 173.0 | 120.0 | 0.5 | 0.71 | 20000 | 5 | 390R-07.. |
| | 11 | 20 | 5.5 | 10.00 | 5° | 1.0 | 1 | 2 | **R390-020A20D-11L** | 20.0 | 171.0 | 120.0 | 1.2 | 0.73 | 20000 | 2 | R390-11.. |
| 25.0 | 07 | 25 | 2.0 | 5.80 | 1° | 0.5 | 1 | 7 | **R390-025A25D-07H** | 25.0 | 208.0 | 150.0 | 0.5 | 0.96 | 20000 | 7 | 390R-07.. |
| | 11 | 25 | 5.5 | 10.00 | 5° | 1.0 | 1 | 2 | **R390-025A25D-11L** | 25.0 | 208.0 | 150.0 | 1.2 | 0.95 | 20000 | 2 | R390-11.. |
| 32.0 | 07 | 32 | 2.0 | 5.80 | 1° | 0.5 | 1 | 8 | **R390-032A32D-07H** | 32.0 | 254.0 | 192.0 | 0.5 | 1.74 | 15000 | 8 | 390R-07.. |
| | 11 | 32 | 5.5 | 10.00 | 3° | 1.0 | 1 | 2 | **R390-032A32D-11L** | 32.0 | 254.0 | 192.0 | 1.2 | 1.48 | 15000 | 2 | R390-11.. |

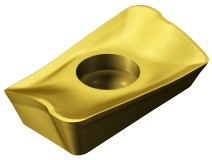
| | | Piezas de repuesto |
|---|---|---|
| DC | | Tornillo de plaquita |
| 20.00-32.00 | 07 | 5513 020-82 |
| 20.00 | 11 | 5513 020-36 |
| 25.00-32.00 | 11 | 5513 020-35 |

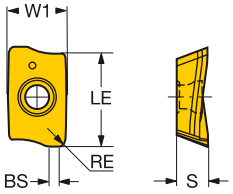
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I74 L2 N23 N6 N9 N15 L109

# Plaquita CoroMill® 390 para fresado

KRINS 90°



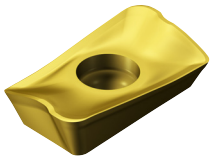


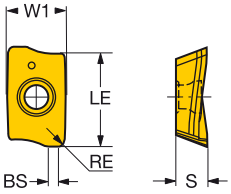

| | | | RE | Código de pedido | P | | | | | M | | | | K | | | | N | | | S | | | | H | | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1130 | 4220 | 4330 | 4340 | 530 | 1040 | 1130 | 2040 | 530 | 1020 | 3040 | 3330 | H13A | 1130 | 530 | H13A | 1130 | H13A | S30T | S40T | 1010 | 1130 | 530 | W1 | LE | S | BS |
| Ligero | KL | 07 | 0.40 | 390R-070204E-KL | | | | | | | | | | ★ | | | | | | | | | | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 0.80 | 390R-070208E-KL | | | | | | | | | | ★ | | | | | | | | | | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | 11 | 0.80 | R390-11 T3 08E-KL | | | | | | | | | | | | | ☆ | | | ★ | | ☆ | | | | | | 6.8 | 10.0 | 3.59 | 1.5 |
| | | | 0.80 | R390-11 T3 08M-KL | | | | | | | | | | ★ | ☆ | ☆ | ☆ | | | ★ | | ☆ | | | | | | 6.8 | 10.0 | 3.59 | 1.2 |
| | | 17 | 0.80 | R390-17 04 08E-KL | | | | | | | | | | | | | ☆ | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | 1.5 |
| | | | 0.80 | R390-17 04 08M-KL | | | | | | | | | | ★ | ☆ | ☆ | ☆ | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | 1.5 |
| | | 18 | 0.80 | R390-18 06 08H-KL | | | | | | | | | | ★ | ☆ | ☆ | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 1.20 | R390-18 06 12H-KL | | | | | | | | | | ★ | ☆ | ☆ | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 3.10 | R390-18 06 31H-KL | | | | | | | | | | ★ | ☆ | ☆ | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.0 |
| | ML | 07 | 0.20 | 390R-070202E-ML | | | | | | ★ | | | | | | | | | | | | | | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 0.40 | 390R-070204E-ML | | | | | | ★ | | | | | | | | | | | | | ★ | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 0.80 | 390R-070208E-ML | | | | | | ★ | | | | | | | | | | | | | ★ | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 1.20 | 390R-070212E-ML | | | | | | ★ | | | | | | | | | | | | | | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 1.60 | 390R-070216E-ML | | | | | | ★ | | | | | | | | | | | | | | | | | | 4.0 | 5.9 | 2.40 | 0.2 |
| | | 11 | 0.80 | R390-11 T3 08E-ML | | | | | | ★ | | ☆ | | | | | | | | | | | ★ | ☆ | | | | 6.8 | 10.0 | 3.59 | 1.5 |
| | | | 1.60 | R390-11 T3 16E-ML | | | | | | ★ | | ☆ | | | | | | | | | | | ★ | ☆ | | | | 6.8 | 10.0 | 3.59 | 0.8 |
| | | | 2.40 | R390-11 T3 24E-ML | | | | | | ★ | | ☆ | | | | | | | | | | | ★ | ☆ | | | | 6.8 | 10.0 | 3.59 | |
| | | | 3.10 | R390-11 T3 31E-ML | | | | | | ★ | | ☆ | | | | | | | | | | | ★ | ☆ | | | | 6.8 | 10.0 | 3.59 | |
| | | 17 | 0.80 | R390-17 04 08E-ML | | | | | | ★ | | ☆ | | | | | | | | | | | ★ | ☆ | | | | 9.6 | 15.7 | 4.76 | 1.5 |
| | | 18 | 0.80 | R390-18 06 08H-ML | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 1.20 | R390-18 06 12H-ML | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 1.60 | R390-18 06 16H-ML | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 2.00 | R390-18 06 20H-ML | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 2.40 | R390-18 06 24H-ML | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 3.10 | R390-18 06 31H-ML | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 4.00 | R390-18 06 40H-ML | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 5.00 | R390-18 06 50H-ML | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 6.00 | R390-18 06 60H-ML | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 6.40 | R390-18 06 64H-ML | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.0 |
| | NL | 07 | 0.20 | 390R-070202E-NL | | | | | | | | | | | | | | | | ★ | | | | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 0.40 | 390R-070204E-NL | | | | | | | | | | | | | | | | ★ | | | | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 0.80 | 390R-070208E-NL | | | | | | | | | | | | | | | | ★ | | | | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | 11 | 0.40 | R390-11 T3 04E-NL | | | | | | | | | | | | | | | | ★ | | | | | | | | 6.8 | 10.0 | 3.59 | 0.9 |
| | | | 0.80 | R390-11 T3 08E-NL | | | | | | | | | | | | | | | | ★ | | | | | | | | 6.8 | 10.0 | 3.59 | 1.5 |
| | | | 2.00 | R390-11 T3 20E-NL | | | | | | | | | | | | | | | | ★ | | | | | | | | 6.8 | 10.0 | 3.59 | |
| | | | 3.10 | R390-11 T3 31E-NL | | | | | | | | | | | | | | | | ★ | | | | | | | | 6.8 | 10.0 | 3.59 | |
| | | 17 | 0.80 | R390-17 04 08E-NL | | | | | | | | | | | | | | | | ★ | | | | | | | | 9.6 | 15.7 | 4.76 | 1.5 |
| | | | 2.00 | R390-17 04 20E-NL | | | | | | | | | | | | | | | | ★ | | | | | | | | 9.6 | 15.7 | 4.76 | 0.3 |
| | | | 3.10 | R390-17 04 31E-NL | | | | | | | | | | | | | | | | ★ | | | | | | | | 9.6 | 15.7 | 4.76 | |
| | | | 4.00 | R390-17 04 40E-NL | | | | | | | | | | | | | | | | ★ | | | | | | | | 9.6 | 15.7 | 4.76 | |
| | | | 5.00 | R390-17 04 50E-NL | | | | | | | | | | | | | | | | ★ | | | | | | | | 9.6 | 15.7 | 4.76 | |

I58 I154 I175 N23 N10

# Plaquita CoroMill® 390 para fresado

KRINS 90°



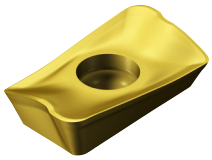


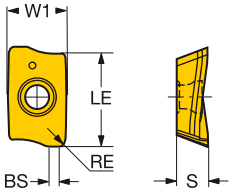

| | | | RE | Código de pedido | P | | | | | M | | | | K | | | | N | | | S | | | | H | | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1130 | 4220 | 4330 | 4340 | 530 | 1040 | 1130 | 2040 | 530 | 1020 | 3040 | 3330 | H13A | 1130 | 530 | H13A | 1130 | H13A | S30T | S40T | 1010 | 1130 | 530 | W1 | LE | S | BS |
| Light | PL | 07 | 0.20 | 390R-070202E-PL | ★ | | | | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 0.40 | 390R-070204E-PL | ★ | | | | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 0.80 | 390R-070208E-PL | ★ | | | | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 1.20 | 390R-070212E-PL | ★ | | | | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 1.60 | 390R-070216E-PL | ★ | | | | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 4.0 | 5.9 | 2.40 | 0.2 |
| | | 11 | 0.40 | R390-11 T3 04E-PL | ★ | | | | | | ☆ | | | | | | | ☆ | | | ☆ | ★ | ☆ | | | ☆ | | 6.8 | 10.0 | 3.59 | 0.9 |
| | | | 0.80 | R390-11 T3 08E-PL | ★ | | | | ☆ | | ☆ | | ☆ | | | | | ☆ | ☆ | | ☆ | | | | ★ | ☆ | ☆ | 6.8 | 10.0 | 3.59 | 1.5 |
| | | | 0.80 | R390-11 T3 08M-PL | ★ | ☆ | ★ | ☆ | ☆ | | ☆ | | ☆ | | | | | ☆ | ☆ | | ☆ | | ★ | ☆ | ★ | ☆ | ☆ | 6.8 | 10.0 | 3.59 | 1.2 |
| | | 17 | 0.80 | R390-17 04 08E-PL | ★ | | | ★ | ☆ | | ☆ | | ☆ | | | | | ☆ | ☆ | | ☆ | | | | ★ | ☆ | ☆ | 9.6 | 15.7 | 4.76 | 1.5 |
| | | | 0.80 | R390-17 04 08M-PL | ★ | ☆ | ★ | ☆ | ☆ | | ☆ | | ☆ | | | | | ☆ | ☆ | | ☆ | | ★ | ☆ | ★ | ☆ | ☆ | 9.6 | 15.7 | 4.76 | 1.5 |
| | | 18 | 0.80 | R390-18 06 08H-PL | ★ | | | ★ | ☆ | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 1.20 | R390-18 06 12H-PL | ★ | ☆ | ★ | ☆ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 1.60 | R390-18 06 16H-PL | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 2.00 | R390-18 06 20H-PL | ★ | | | | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 2.40 | R390-18 06 24H-PL | ★ | | | | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 3.10 | R390-18 06 31H-PL | ★ | | | | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 4.00 | R390-18 06 40H-PL | ★ | | | | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 5.00 | R390-18 06 50H-PL | ★ | | | | | | ☆ | | | | | | | ☆ | | | ☆ | | | | ★ | ☆ | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 6.00 | R390-18 06 60H-PL | ★ | | | | | | ☆ | | | | | | | ☆ | | | ☆ | | | | ★ | ☆ | | 11.0 | 15.4 | 6.33 | 1.0 |
| | | | 6.40 | R390-18 06 64H-PL | ★ | | | | | | ☆ | | | | | | | ☆ | | | ☆ | | | | ★ | ☆ | | 11.0 | 15.4 | 6.33 | 1.0 |
| Medio | KM | 07 | 0.40 | 390R-070204M-KM | | | | | | | | | | ☆ | | ★ | | | | | | | | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 0.80 | 390R-070208M-KM | | | | | | | | | | ☆ | | ★ | | | | | | | | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 1.60 | 390R-070216M-KM | | | | | | | | | | ★ | | | | | | | | | | | | | | 4.0 | 5.9 | 2.40 | 0.2 |
| | | 11 | 0.20 | R390-11 T3 02E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 6.8 | 10.0 | 3.59 | 0.7 |
| | | | 0.40 | R390-11 T3 04M-KM | | | | | | | | | | ☆ | ☆ | ★ | ☆ | | | ★ | | ☆ | | | | | | 6.8 | 10.0 | 3.59 | 0.9 |
| | | | 0.80 | R390-11 T3 08M-KM | | | | | | | | | | ☆ | ☆ | ★ | ☆ | | | ★ | | ☆ | | | | | | 6.8 | 10.0 | 3.59 | 1.2 |
| | | | 1.20 | R390-11 T3 12E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 6.8 | 10.0 | 3.59 | 0.8 |
| | | | 1.60 | R390-11 T3 16E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 6.8 | 10.0 | 3.59 | 0.8 |
| | | | 1.60 | R390-11 T3 16M-KM | | | | | | | | | | ☆ | | ★ | ☆ | | | ★ | | ☆ | | | | | | 6.8 | 10.0 | 3.59 | 0.4 |
| | | | 2.00 | R390-11 T3 20E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 6.8 | 10.0 | 3.59 | 0.4 |
| | | | 2.40 | R390-11 T3 24E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 6.8 | 10.0 | 3.59 | |
| | | | 3.10 | R390-11 T3 31E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 6.8 | 10.0 | 3.59 | |
| | | | 3.10 | R390-11 T3 31M-KM | | | | | | | | | | ☆ | | ★ | ☆ | | | ★ | | ☆ | | | | | | 6.8 | 10.0 | 3.59 | |
| | | 17 | 0.40 | R390-17 04 04E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | 1.0 |
| | | | 0.40 | R390-17 04 04M-KM | | | | | | | | | | ☆ | ☆ | ★ | ☆ | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | 1.0 |
| | | | 0.80 | R390-17 04 08M-KM | | | | | | | | | | ☆ | ☆ | ★ | ☆ | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | 1.5 |
| | | | 1.20 | R390-17 04 12E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | 1.1 |
| | | | 1.60 | R390-17 04 16E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | 0.7 |
| | | | 1.60 | R390-17 04 16M-KM | | | | | | | | | | ☆ | | ★ | ☆ | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | 0.7 |
| | | | 2.00 | R390-17 04 20E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | 0.3 |
| | | | 2.40 | R390-17 04 24E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | |
| | | | 3.10 | R390-17 04 31E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | |
| | | | 3.10 | R390-17 04 31M-KM | | | | | | | | | | ☆ | | ★ | ☆ | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | |
| | | | 4.00 | R390-17 04 40E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | |
| | | | 4.80 | R390-17 04 48E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | |
| | | | 5.00 | R390-17 04 50E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | |
| | | | 6.00 | R390-17 04 60E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | |
| | | | 6.35 | R390-17 04 64E-KM | | | | | | | | | | | | ☆ | | | | ★ | | ☆ | | | | | | 9.6 | 15.7 | 4.76 | |
| | | 18 | 0.80 | R390-18 06 08M-KM | | | | | | | | | | ☆ | ☆ | ★ | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.1 |
| | | | 1.20 | R390-18 06 12M-KM | | | | | | | | | | ☆ | ☆ | ★ | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.1 |
| | | | 1.60 | R390-18 06 16M-KM | | | | | | | | | | ☆ | ☆ | ★ | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.1 |
| | | | 2.00 | R390-18 06 20M-KM | | | | | | | | | | ☆ | ☆ | ★ | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 0.5 |
| | | | 3.10 | R390-18 06 31M-KM | | | | | | | | | | ☆ | ☆ | ★ | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 0.5 |
| | KMR | 18 | 1.20 | R390-18 06 12M-KMR | | | | | | | | | | ☆ | ☆ | ★ | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 0.3 |

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# Plaquita CoroMill® 390 para fresado

KRINS 90°






| | | | RE | Código de pedido | P | | | | | M | | | | K | | | | N | | | S | | | | H | | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1130 | 4220 | 4330 | 4340 | 530 | 1040 | 1130 | 2040 | 530 | 1020 | 3040 | 3330 | H13A | 1130 | 530 | H13A | 1130 | H13A | S30T | S40T | 1010 | 1130 | 530 | W1 | LE | S | BS |
| Medium | MM | 07 | 0.20 | 390R-070202M-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 0.40 | 390R-070204E-MM | | | | | | ★ | | | | | | | | | | | | | ★ | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 0.40 | 390R-070204M-MM | | | | | | ★ | | | | | | | | | | | | | ★ | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 0.80 | 390R-070208E-MM | | | | | | ★ | | | | | | | | | | | | | ★ | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 0.80 | 390R-070208M-MM | | | | | | ★ | | | | | | | | | | | | | ★ | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 1.20 | 390R-070212M-MM | | | | | | ★ | | | | | | | | | | | | | ★ | | | | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 1.60 | 390R-070216M-MM | | | | | | ★ | | | | | | | | | | | | | ★ | | | | | 4.0 | 5.9 | 2.40 | 0.2 |
| | | 11 | 0.20 | R390-11 T3 02E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 6.8 | 10.0 | 3.59 | 0.7 |
| | | | 0.80 | R390-11 T3 08M-MM | | | | | | ★ | | ☆ | | | | | | | | | | | ★ | ☆ | | | | 6.8 | 10.0 | 3.59 | 1.2 |
| | | | 1.20 | R390-11 T3 12E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 6.8 | 10.0 | 3.59 | 0.8 |
| | | | 1.60 | R390-11 T3 16E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 6.8 | 10.0 | 3.59 | 0.4 |
| | | | 2.00 | R390-11 T3 20E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 6.8 | 10.0 | 3.59 | |
| | | | 2.40 | R390-11 T3 24E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 6.8 | 10.0 | 3.59 | |
| | | | 3.10 | R390-11 T3 31E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 6.8 | 10.0 | 3.59 | |
| | | 17 | 0.40 | R390-17 04 04E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 9.6 | 15.7 | 4.76 | 1.0 |
| | | | 0.80 | R390-17 04 08M-MM | | | | | | ★ | | ☆ | | | | | | | | | | | ★ | ☆ | | | | 9.6 | 15.7 | 4.76 | 1.5 |
| | | | 1.20 | R390-17 04 12E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 9.6 | 15.7 | 4.76 | 1.1 |
| | | | 1.60 | R390-17 04 16E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 9.6 | 15.7 | 4.76 | 0.7 |
| | | | 2.00 | R390-17 04 20E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 9.6 | 15.7 | 4.76 | 0.3 |
| | | | 2.40 | R390-17 04 24E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 9.6 | 15.7 | 4.76 | |
| | | | 3.10 | R390-17 04 31E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 9.6 | 15.7 | 4.76 | |
| | | | 4.00 | R390-17 04 40E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 9.6 | 15.7 | 4.76 | |
| | | | 4.80 | R390-17 04 48E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 9.6 | 15.7 | 4.76 | |
| | | | 5.00 | R390-17 04 50E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 9.6 | 15.7 | 4.76 | |
| | | | 6.00 | R390-17 04 60E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 9.6 | 15.7 | 4.76 | |
| | | | 6.35 | R390-17 04 64E-MM | | | | | | ★ | | | | | | | | | | | | | | | | | | 9.6 | 15.7 | 4.76 | |
| | | 18 | 0.80 | R390-18 06 08M-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.1 |
| | | | 1.20 | R390-18 06 12M-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.1 |
| | | | 1.60 | R390-18 06 16M-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 1.1 |
| | | | 2.00 | R390-18 06 20M-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 0.5 |
| | | | 3.10 | R390-18 06 31M-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 0.5 |
| | MMR | 18 | 1.20 | R390-18 06 12M-MMR | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 11.0 | 15.4 | 6.33 | 0.3 |

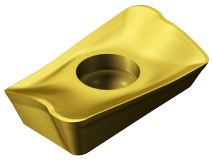
I58 I154 I175 N23 N10

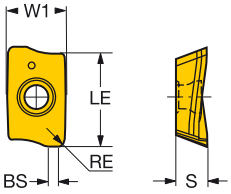


SANDVIK Coromant

# Plaquita CoroMill® 390 para fresado

KRINS 90°



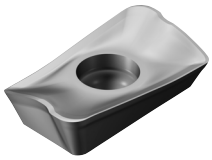


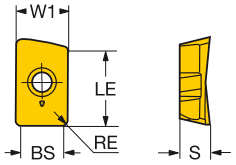

| | | | RE | Código de pedido | P | | | | | M | | | | K | | | | N | | | S | | | | | H | | | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1130 | 4220 | 4330 | 4340 | 530 | 1040 | 1130 | 2040 | 530 | 1020 | 3040 | 3330 | H13A | 1130 | 530 | H13A | 1130 | H13A | S30T | S40T | 1010 | 1130 | 530 | W1 | LE | S | BS |
| Medium | PM | 07 | 0.20 | 390R-070202M-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 0.40 | 390R-070204M-PM | ★ | | ★ | ☆ | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 0.80 | 390R-070208M-PM | ★ | | ★ | ☆ | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 1.20 | 390R-070212M-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 4.0 | 5.9 | 2.40 | 0.7 |
| | | | 1.60 | 390R-070216M-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 4.0 | 5.9 | 2.40 | 0.2 |
| | | 11 | 0.20 | R390-11 T3 02E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 6.8 | 10.0 | 3.59 | 0.7 |
| | | | 0.40 | R390-11 T3 04M-PM | ★ | ☆ | | ★ | ☆ | | ☆ | | ☆ | | | | | ☆ | ☆ | | ☆ | | | | | ☆ | ☆ | 6.8 | 10.0 | 3.59 | 0.9 |
| | | | 0.80 | R390-11 T3 08M-PM | ★ | ☆ | ★ | ☆ | ☆ | | ☆ | | ☆ | | | | | ☆ | ☆ | | ☆ | | ★ | ☆ | ★ | ☆ | ☆ | 6.8 | 10.0 | 3.59 | 1.2 |
| | | | 1.20 | R390-11 T3 12E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 6.8 | 10.0 | 3.59 | 0.8 |
| | | | 1.60 | R390-11 T3 16E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | | | ★ | ☆ | | 6.8 | 10.0 | 3.59 | 0.4 |
| | | | 1.60 | R390-11 T3 16M-PM | ★ | ☆ | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 6.8 | 10.0 | 3.59 | 0.4 |
| | | | 2.00 | R390-11 T3 20E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 6.8 | 10.0 | 3.59 | |
| | | | 2.40 | R390-11 T3 24E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 6.8 | 10.0 | 3.59 | |
| | | | 3.10 | R390-11 T3 31E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | | | ★ | ☆ | | 6.8 | 10.0 | 3.59 | |
| | | | 3.10 | R390-11 T3 31M-PM | ★ | ☆ | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 6.8 | 10.0 | 3.59 | |
| | | 17 | 0.40 | R390-17 04 04E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | | ☆ | | 9.6 | 15.7 | 4.76 | 1.0 |
| | | | 0.40 | R390-17 04 04M-PM | ★ | ☆ | | ★ | ☆ | | ☆ | | ☆ | | | | | ☆ | ☆ | | ☆ | | | | | ☆ | ☆ | 9.6 | 15.7 | 4.76 | 1.0 |
| | | | 0.80 | R390-17 04 08M-PM | ★ | ☆ | ★ | ☆ | ☆ | | ☆ | | ☆ | | | | | ☆ | ☆ | | ☆ | | ★ | ☆ | ★ | ☆ | ☆ | 9.6 | 15.7 | 4.76 | 1.5 |
| | | | 1.20 | R390-17 04 12E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 9.6 | 15.7 | 4.76 | 1.1 |
| | | | 1.60 | R390-17 04 16E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 9.6 | 15.7 | 4.76 | 0.7 |
| | | | 1.60 | R390-17 04 16M-PM | ★ | ☆ | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | | ☆ | | 9.6 | 15.7 | 4.76 | 0.7 |
| | | | 2.00 | R390-17 04 20E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 9.6 | 15.7 | 4.76 | 0.3 |
| | | | 2.40 | R390-17 04 24E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 9.6 | 15.7 | 4.76 | |
| | | | 3.10 | R390-17 04 31E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 9.6 | 15.7 | 4.76 | |
| | | | 3.10 | R390-17 04 31M-PM | ★ | ☆ | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | | ☆ | | 9.6 | 15.7 | 4.76 | |
| | | | 4.00 | R390-17 04 40E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 9.6 | 15.7 | 4.76 | |
| | | | 4.80 | R390-17 04 48E-PM | ★ | | | | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 9.6 | 15.7 | 4.76 | |
| | | | 5.00 | R390-17 04 50E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 9.6 | 15.7 | 4.76 | |
| | | | 6.00 | R390-17 04 60E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 9.6 | 15.7 | 4.76 | |
| | | | 6.35 | R390-17 04 64E-PM | ★ | | | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 9.6 | 15.7 | 4.76 | |
| | | 18 | 0.80 | R390-18 06 08M-PM | ★ | ☆ | ★ | ☆ | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 11.0 | 15.4 | 6.33 | 1.1 |
| | | | 1.20 | R390-18 06 12M-PM | ★ | ☆ | ★ | ☆ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | ★ | ☆ | | 11.0 | 15.4 | 6.33 | 1.1 |
| | | | 1.60 | R390-18 06 16M-PM | ★ | ☆ | ★ | ☆ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | | ☆ | | 11.0 | 15.4 | 6.33 | 1.1 |
| | | | 2.00 | R390-18 06 20M-PM | ★ | ☆ | ★ | ☆ | | | ☆ | | | | | | | ☆ | | | ☆ | | | | | ☆ | | 11.0 | 15.4 | 6.33 | 0.5 |
| | | | 3.10 | R390-18 06 31M-PM | ★ | ☆ | ★ | ☆ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | | ☆ | | 11.0 | 15.4 | 6.33 | 0.5 |
| | PMR | 18 | 1.20 | R390-18 06 12M-PMR | ★ | | ★ | ☆ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | | ☆ | | 11.0 | 15.4 | 6.33 | 0.3 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pesado | KH | 11 | 1.00 | R390-11 T3 10M-KH | | | | | | | | | | ☆ | ☆ | ★ | | | | | | | | | | | | 6.8 | 10.0 | 3.59 | 1.0 |
| | | 17 | 0.80 | R390-17 04 08M-KH | | | | | | | | | | ☆ | ☆ | ★ | | | | | | | | | | | | 9.6 | 15.7 | 4.76 | 1.5 |
| | MH | 11 | 1.00 | R390-11 T3 10M-MH | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | 6.8 | 10.0 | 3.59 | 1.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PH | 11 | 1.00 | R390-11 T3 10M-PH | ☆ | ☆ | ☆ | ★ | | | ☆ | | | | | | | ☆ | | | ☆ | | ★ | ☆ | | ☆ | | 6.8 | 10.0 | 3.59 | 1.0 |
| | | 17 | 0.80 | R390-17 04 08M-PH | | ☆ | | ★ | | | | | | | | | | | | | | | | | | | | 9.6 | 15.7 | 4.76 | 1.5 |
| | | | 1.60 | R390-17 04 16M-PH | | | ☆ | ★ | | | | | | | | | | | | | | | | | | | | 9.6 | 15.7 | 4.76 | 1.5 |

I58 I154 I175 N23 N10

# Plaquita CoroMill® 390 para fresado

KRINS 90°

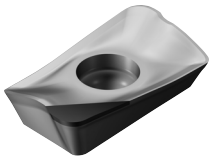


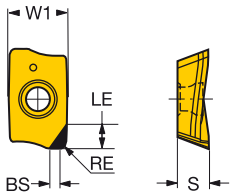



TECHNOLOGY Wiper

| | | | | | | P | M | K | | N | S | H | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | RE | Código de pedido | | 1130 | 1130 | 1020 | 1025 | 1130 | 1130 | 1130 | W1 | LE | S | BS |
| Ligero | KTW | 18 | 1.60 | R390-18 06 16H-KTW | | | | ★ | | | | | 11.0 | 15.4 | 6.33 | 8.6 |
| | PLW | 11 | 0.80 | R390-11 T3 08E-PLW | | ★ | ☆ | | ☆ | ☆ | ☆ | ☆ | 6.8 | 10.0 | 3.59 | 5.0 |
| | | 18 | 1.60 | R390-18 06 16H-PTW | | ★ | ☆ | | | | ☆ | ☆ | 11.0 | 15.4 | 6.33 | 8.6 |

KRINS 90°






## Materiales de corte avanzados

| | | | | | N | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | RE | Código de pedido | CD10 | W1 | LE | S | BS |
| Ligero | NL | 11 | 0.40 | R390-11T304E-P4-NL | ★ | 6.8 | 4.0 | 3.59 | 2.2 |
| | | 17 | 0.80 | R390-170408E-P6-NL | ★ | 9.6 | 6.0 | 4.76 | 1.8 |

I58 I154 I175 N23 N10 N2



SANDVIK Coromant

# CoroMill® 690

## Tecnología punta en fresado de titanio

### Aplicación

- Fresado de perfiles 2D en titanio
- Recanteado y fresado de ranuras




### Área de aplicación ISO:

S

### Ventajas y características

- Fresado muy productivo de titanio
- El adaptador iLock™ confiere seguridad al proceso, mayor avance y vida útil de la herramienta
- Suministro de refrigerante individual para cada cavidad de la plaquita
- Caudal y presión totalmente controlados a través de agujeros roscados (ya sea para boquillas o tapones roscados)
- Plaquitas de extremo y laterales diferenciadas para obtener un óptimo rendimiento

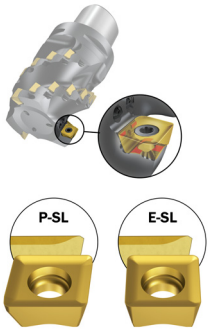
www.sandvik.coromant.com/coromill690

### Acoplamientos

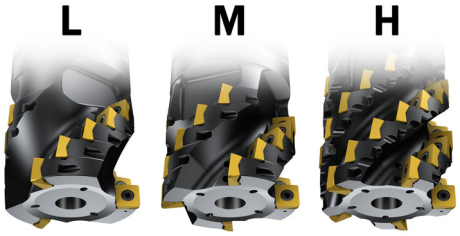
- Coromant Capto®
- En eje
- HSK
- Versión sobredimensionada disponible

### Plaquitas

- Cuatro filos de corte
- Geometría SL optimizada para titanio

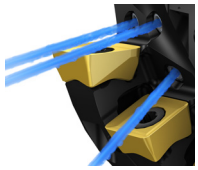



P-SL = Plaquita lateral (o periférica)
E-SL = Plaquita de extremo




Paso amplio | Paso estrecho | Paso extra estrecho

### Suministro de refrigerante



Durante el corte, la viruta tiende a pegarse al filo de corte. Esto significa que en el siguiente giro de la fresa, se volverá a cortar la viruta. Al equipar cada una de las cavidades de la plaquita con agujeros roscados y boquillas para el suministro de refrigerante a alta presión, se puede aplicar todo el refrigerante necesario en cada momento. De este modo, se elimina efectivamente el problema y se consigue un rendimiento constante del filo de corte. Suministrar refrigerante a todas las cavidades de la plaquita en las fresas de filo largo requiere un gran volumen de bombeo y la capacidad de suministrar grandes presiones.

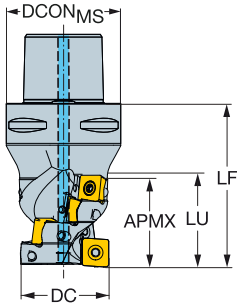
I80 I82

# Fresa de escuadrar de filo largo CoroMill® 690

**Coromant Capto® - Suministro de refrigerante interior**

KAPR 90°






| DC | APMXFFW | | | CZCMS | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | DCX | LF | LU | NM | KG | RPMX | CICT | MIIDE | MIIDP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40.0 | 53.0 | 10E | 10P | C6 | 3 | 2 | | 690-040C6-1053H | 63.0 | 40.0 | 95.0 | 55.0 | 3.0 | 1.54 | 5000 | 10 | 690-100508M-E-SL | 690-100510M-P-SL |
| 44.0 | 46.0 | 10E | 10P | C4 | 3 | 3 | | 690-044C4-1046H | 40.0 | 44.0 | 82.0 | | 3.0 | 0.81 | 5000 | 15 | 690-100508M-E-SL | 690-100510M-P-SL |
| 50.0 | 53.0 | 10E | 10P | C5 | 3 | 3 | | 690-050C5-1053H | 50.0 | 50.0 | 90.0 | 70.0 | 3.0 | 1.16 | 5000 | 3 | 690-100508M-E-SL | 690-100510M-P-SL |
| 54.0 | 53.0 | 10E | 10P | C5 | 3 | 3 | | 690-054C5-1053H | 50.0 | 54.0 | 90.0 | | 3.0 | 1.31 | 5000 | 3 | 690-100508M-E-SL | 690-100510M-P-SL |
| | 61.0 | 14E | 14P | C5 | 3 | 3 | | 690-054C5-1461H | 50.0 | 54.0 | 97.0 | | 5.0 | 1.39 | 5000 | 3 | 690-140608M-E-SL | 690-140610M-P-SL |
| 63.0 | 60.0 | 10E | 10P | C6 | 3 | | 3 | 690-063C6-1060M | 63.0 | 63.0 | 100.0 | 78.0 | 3.0 | 2.21 | 5000 | 3 | 690-100508M-E-SL | 690-100510M-P-SL |
| | 61.0 | 14E | 14P | C6 | 3 | 3 | | 690-063C6-1461H | 63.0 | 63.0 | 103.0 | 79.0 | 5.0 | 2.13 | 5000 | 3 | 690-140608M-E-SL | 690-140610M-P-SL |
| | 112.0 | 10E | 10P | C6 | 3 | 4 | | 690-063C6-10112H | 63.0 | 63.0 | 156.0 | 134.0 | 3.0 | 2.85 | 5000 | 56 | 690-100508M-E-SL | 690-100510M-P-SL |
| 66.0 | 49.0 | 14E | 14P | C6 | 3 | 3 | | 690-066C6-1449H | 63.0 | 66.0 | 90.0 | | 5.0 | 2.01 | 5000 | 3 | 690-140608M-E-SL | 690-140610M-P-SL |
| | 53.0 | 10E | 10P | C6 | 3 | 4 | | 690-066C6-1053H | 63.0 | 66.0 | 92.0 | | 3.0 | 2.19 | 5000 | 24 | 690-100508M-E-SL | 690-100510M-P-SL |
| | 105.0 | 10E | 10P | C6 | 3 | 4 | | 690-066C6-10105H | 63.0 | 66.0 | 150.0 | | 3.0 | 2.88 | 5000 | 52 | 690-100508M-E-SL | 690-100510M-P-SL |
| 80.0 | 73.0 | 14E | 14P | C8 | 3 | 4 | | 690-080C8-1473H | 80.0 | 80.0 | 128.0 | 92.0 | 5.0 | 4.24 | 5000 | 4 | 690-140608M-E-SL | 690-140610M-P-SL |
| 84.0 | 61.0 | 14E | 14P | C8 | 3 | | 4 | 690-084C8-1461M | 80.0 | 84.0 | 110.0 | | 5.0 | 3.93 | 5000 | 4 | 690-140608M-E-SL | 690-140610M-P-SL |
| | 61.0 | 14E | 14P | C8 | 3 | | 3 | 690-084C8-1461L | 80.0 | 84.0 | 112.0 | | 5.0 | 3.99 | 5000 | 3 | 690-140608M-E-SL | 690-140610M-P-SL |
| | 84.0 | 14E | 14P | C8 | 3 | 5 | | 690-084C8-1484H | 80.0 | 84.0 | 132.0 | | 5.0 | 4.57 | 5000 | 5 | 690-140608M-E-SL | 690-140610M-P-SL |
| 100.0 | 108.0 | 14E | 14P | C8 | 3 | 4 | | 690-100C8-14108M | 80.0 | 100.0 | 160.0 | | 5.0 | 6.80 | 5000 | 4 | 690-140608M-E-SL | 690-140610M-P-SL |

| | | Piezas de repuesto | |
|---|---|---|---|
| DC | | Tornillo de plaquita | Tapón |
| 40.00 | 10 | 5513 020-68 | 3214 010-202 |
| 44.00 | 10 | 5513 020-68 | 3214 010-202 |
| 50.00-66.00 | 10 | 5513 020-68 | 3214 010-253 |
| 54.00-100.00 | 14 | 5513 020-55 | 3214 010-253 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

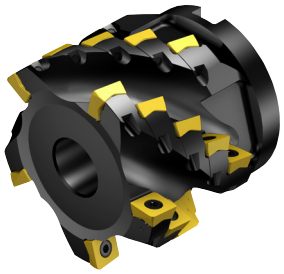
I82 L2 N23 N9 N15

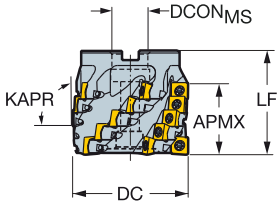
SPA

# Fresa de escuadrar de filo largo CoroMill® 690

## En eje

STDNO ISO6462
KAPR 90°



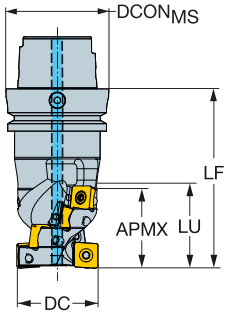



| DC | APMXFFW | | | CZCMS | | | Código de pedido | Dimensiones, mm DCONMS | ISO | DCX | LF | NM | KG | RPMX | CICT | MIIDE | MIIDP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50.0 | 46.0 | 10E | 10P | 22 | 3 | | 690-050Q22-1046H | 22.0 | A | 50.0 | 75.0 | 3.0 | 0.98 | 5000 | 3 | 690-100508M-E-SL | 690-100510M-P-SL |
| 63.0 | 46.0 | 10E | 10P | 27 | | 3 | 690-063Q27-1046M | 27.0 | A | 63.0 | 80.0 | 3.0 | 1.48 | 5000 | 3 | 690-100508M-E-SL | 690-100510M-P-SL |
| | 49.0 | 14E | 14P | 27 | 3 | | 690-063Q27-1449H | 27.0 | A | 63.0 | 80.0 | 5.0 | 1.30 | 5000 | 9 | 690-140608M-E-SL | 690-140610M-P-SL |
| 80.0 | 61.0 | 14E | 14P | 32 | | 3 | 690-080Q32-1461M | 32.0 | A | 80.0 | 98.0 | 5.0 | 2.42 | 5000 | 3 | 690-140608M-E-SL | 690-140610M-P-SL |
| 100.0 | 61.0 | 14E | 14P | 32 | 5 | | 690-100Q32-1461H | 32.0 | A | 100.0 | 90.0 | 5.0 | 3.56 | 5000 | 5 | 690-140608M-E-SL | 690-140610M-P-SL |

## HSK - Suministro de refrigerante interior

KAPR 90°






| DC | APMXFFW | | | CZCMS | CNSC | | Código de pedido | Dimensiones, mm DCONMS | DCX | LF | LU | NM | KG | RPMX | CICT | MIIDE | MIIDP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 63.0 | 105.0 | 10E | 10P | 125 | 1 | 4 | 690-063HA12-10105H | 125.0 | 63.0 | 180.0 | 110.0 | 3.0 | 7.51 | 5000 | 4 | 690-100508M-E-SL | 690-100510M-P-SL |

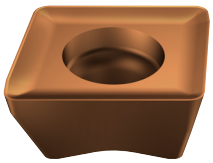
| | | Piezas de repuesto | |
|---|---|---|---|
| DC | | Tornillo de plaquita | Tapón |
| 50.00-63.00 | 10 | 5513 020-68 | 3214 010-253 |
| 63.00-100.00 | 14 | 5513 020-55 | 3214 010-253 |

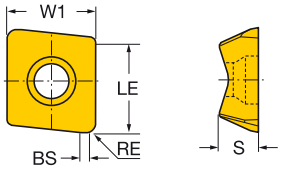
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I82 L2 M1 N23 N9

# Plaquita CoroMill® 690 para fresado

KRINS 90°



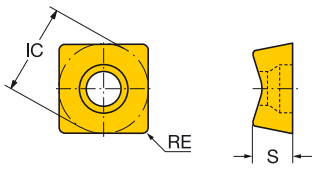



## Plaquita del extremo

| | | | RE | Código de pedido | S 1030 | S 2040 | S S30T | S S40T | Dimensiones, mm W1 | LE | S | BS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ligero | SL | 10E | 0.80 | 690-100508M-E-SL | ☆ | ☆ | ★ | ☆ | 10.0 | 10.0 | 5.20 | 1.0 |
| | | | 1.20 | 690-100512M-E-SL | ☆ | | ★ | ☆ | 10.0 | 10.0 | 5.20 | 1.0 |
| | | | 1.60 | 690-100516M-E-SL | ☆ | ☆ | ★ | ☆ | 10.0 | 10.0 | 5.20 | 1.0 |
| | | | 2.00 | 690-100520M-E-SL | ☆ | | ★ | ☆ | 10.0 | 10.0 | 5.20 | 1.0 |
| | | | 3.10 | 690-100531M-E-SL | ☆ | ☆ | ★ | ☆ | 10.0 | 10.0 | 5.20 | 1.0 |
| | | 14E | 0.80 | 690-140608M-E-SL | ☆ | ☆ | ★ | ☆ | 14.5 | 14.7 | 6.35 | 1.0 |
| | | | 1.20 | 690-140612M-E-SL | ☆ | | ★ | ☆ | 14.5 | 14.7 | 6.35 | 1.0 |
| | | | 1.60 | 690-140616M-E-SL | ☆ | | ★ | ☆ | 14.5 | 14.7 | 6.35 | 1.0 |
| | | | 2.00 | 690-140620M-E-SL | | | | ☆ | 14.5 | 14.7 | 6.35 | 1.0 |
| | | | 2.40 | 690-140624M-E-SL | | | | ☆ | 14.5 | 14.7 | 6.35 | 1.0 |
| | | | 3.10 | 690-140631M-E-SL | ☆ | | ★ | ☆ | 14.5 | 14.7 | 6.35 | 1.0 |
| | | | 5.00 | 690-140650M-E-SL | | | ★ | | 14.5 | 15.7 | 6.35 | 1.0 |
| | | | 6.00 | 690-140660M-E-SL | ☆ | | ★ | | 14.5 | 16.5 | 6.35 | 1.0 |
| | | | 6.35 | 690-140664M-E-SL | | | ★ | | 14.5 | 16.7 | 6.35 | 1.0 |

KRINS 90°






## Plaquita periférica

| | | | RE | Código de pedido | S 1030 | S 2040 | S S30T | S S40T | Dimensiones, mm IC | LE | S |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ligero | SL | 10P | 1.00 | 690-100510M-P-SL | ☆ | ☆ | ★ | ☆ | 10.0 | 9.0 | 5.20 |
| | | 14P | 1.00 | 690-140610M-P-SL | ☆ | ☆ | ★ | ☆ | 14.5 | 13.5 | 6.35 |

I80 I154 I175 N23 N10



SANDVIK Coromant

# CoroMill® Century

## Fresa de planear de corte ligero para operaciones de acabado de alta velocidad

### Aplicación

- Escuadrado
- Planeado



### Área de aplicación ISO:

P M K N S H

### Ventajas y características

- Diseño de mecanizado seguro de alta velocidad
- Mayor evacuación de la viruta gracias al suministro acelerado de refrigerante
- Ajuste sencillo de microprecisión con un intervalo de reglaje de 0.1 mm
- Cuerpo de aluminio de alta aleación con montaje en eje
- Opción de plaquita Wiper para un acabado de alto avance

www.sandvik.coromant.com/coromillcentury

### Acoplamientos

- Coromant Capto®
- En eje
- HSK

### Plaquitas

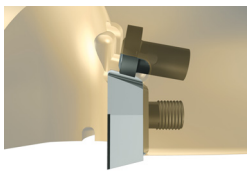
- Uno o dos filos de corte
- Amplia gama de radios de punta y chaflanes
- Geometrías y calidades de plaquita para todo tipo de materiales, PCD y CBN incluidos

### Microajuste

Microajuste de precisión de la plaquita con una horquilla de reglaje de 0.1 mm en la solución de cartucho.

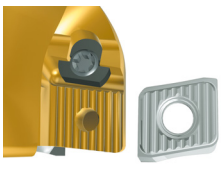
### Macroajuste

Macroajuste de la plaquita con una horquilla de reglaje de 1 mm.



### Ajuste de la plaquita

El alojamiento estriado de la plaquita, también estriada, ofrece una gran seguridad frente al movimiento de la misma.



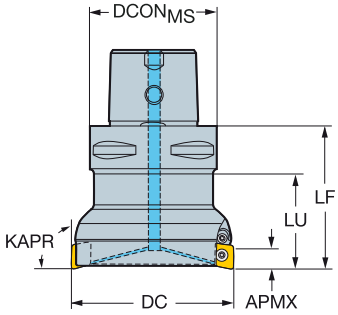
I84 I87 N6

# Fresa de escuadrar CoroMill® Century

**Coromant Capto® - Suministro de refrigerante interior**

KAPR 90°






| DC | | CZC$_{MS}$ | APMX$_{FFW}$ | CNSC | ZADJ | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40.0 | 11 | C3 | 11.00 | 3 | 3 | 3 | **R590-040C3-11M** | 32.0 | 55.0 | 40.0 | 3.0 | 0.65 | 48000 | 3 | R590-1105.. |
| | 11 | C4 | 11.00 | 3 | 3 | 3 | **R590-040C4-11M** | 40.0 | 63.0 | 40.0 | 3.0 | 0.83 | 39000 | 3 | R590-1105.. |
| 50.0 | 11 | C5 | 11.00 | 3 | 4 | 4 | **R590-050C5-11M** | 50.0 | 63.0 | 40.0 | 3.0 | 1.38 | 28000 | 4 | R590-1105.. |
| 63.0 | 11 | C5 | 11.00 | 3 | 5 | 5 | **R590-063C5-11M** | 50.0 | 63.0 | 40.0 | 3.0 | 1.50 | 28000 | 5 | R590-1105.. |
| 80.0 | 11 | C6 | 11.00 | 3 | 6 | 6 | **R590-080C6-11M** | 63.0 | 71.0 | | 3.0 | 2.38 | 20000 | 6 | R590-1105.. |

Piezas de repuesto

| Tornillo de plaquita | Dispositivo de ajuste | Tornillo del dispositivo de ajuste |
|---|---|---|
| 5513 020-25 | 5513 014-021 | 5513 014-02 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

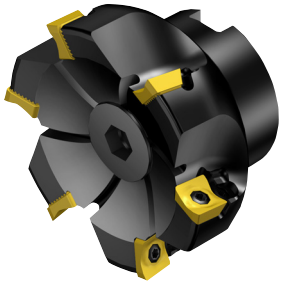
I87 L2 N23 N9 N15

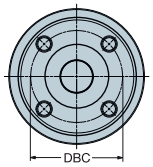
SPA

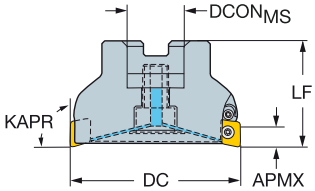
# Fresa de escuadrar CoroMill® Century

**Eje - Suministro de refrigerante interior**

STDNO ISO6462
KAPR 90°






| DC | | CZCMS | APMXFFW | CNSC | ZADJ | | Código de pedido | Dimensiones, mm DCONMS | ISO | DBC | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50.0 | 11 | 22 | 11.00 | 1 | 4 | 4 | R590-050Q22S-11M | 22.0 | A | | 40.0 | 3.0 | 0.68 | 41600 | 4 | R590-1105.. |
| 63.0 | 11 | 22 | 11.00 | 1 | 5 | 5 | R590-063Q22S-11M | 22.0 | A | | 40.0 | 3.0 | 0.81 | 35100 | 5 | R590-1105.. |
| 80.0 | 11 | 27 | 11.00 | 1 | 6 | 6 | R590-080Q27A-11M | 27.0 | A | | 50.0 | 3.0 | 1.04 | 27500 | 6 | R590-1105.. |
| | 11 | 27 | 11.00 | 1 | 6 | 6 | R590-080Q27S-11M | 27.0 | A | | 50.0 | 3.0 | 1.57 | 27500 | 6 | R590-1105.. |
| 100.0 | 11 | 32 | 11.00 | 1 | 6 | 6 | R590-100Q32A-11M | 32.0 | A | | 50.0 | 3.0 | 1.37 | 23800 | 6 | R590-1105.. |
| | 11 | 32 | 11.00 | 1 | 6 | 6 | R590-100Q32S-11M | 32.0 | A | | 50.0 | 3.0 | 2.21 | 23800 | 6 | R590-1105.. |
| 125.0 | 11 | 40 | 11.00 | 1 | 8 | 8 | R590-125Q40A-11M | 40.0 | B | | 63.0 | 3.0 | 1.84 | 20700 | 8 | R590-1105.. |
| | 11 | 40 | 11.00 | 1 | 8 | 8 | R590-125Q40S-11M | 40.0 | B | | 63.0 | 3.0 | 3.34 | 20700 | 8 | R590-1105.. |
| 160.0 | 11 | 40 | 11.00 | 1 | 10 | 10 | R590-160Q40A-11M | 40.0 | B | | 63.0 | 3.0 | 2.74 | 17900 | 10 | R590-1105.. |
| | 11 | 40 | 11.00 | 1 | 10 | 10 | R590-160Q40S-11M | 40.0 | B | | 63.0 | 3.0 | 5.65 | 17900 | 10 | R590-1105.. |
| 200.0 | 11 | 60 | 11.00 | 0 | 16 | 16 | R590-200Q60A-11M | 60.0 | C | 101.6 | 63.0 | 3.0 | 7.26 | 15700 | 16 | R590-1105.. |
| | 11 | 60 | 11.00 | 0 | 16 | 16 | R590-200Q60S-11M | 60.0 | C | 101.6 | 63.0 | 3.0 | 12.00 | 15700 | 16 | R590-1105.. |

| | | Piezas de repuesto | | | |
|---|---|---|---|---|---|
| DC | | Tornillo de plaquita | Tornillo de chorro | Dispositivo de ajuste | Tornillo del dispositivo de ajuste |
| 50.00-63.00 | 11 | 5513 020-25 | 5512 087-01 | 5513 014-021 | 5513 014-02 |
| 80.00 | 11 | 5513 020-25 | 5512 087-02 | 5513 014-021 | 5513 014-02 |
| 100.00 | 11 | 5513 020-25 | 5512 087-03 | 5513 014-021 | 5513 014-02 |
| 125.00-160.00 | 11 | 5513 020-25 | 5512 098-03 | 5513 014-021 | 5513 014-02 |
| 200.00 | 11 | 5513 020-25 | | 5513 014-021 | 5513 014-02 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

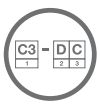

I87


L2


M1



N23



N9



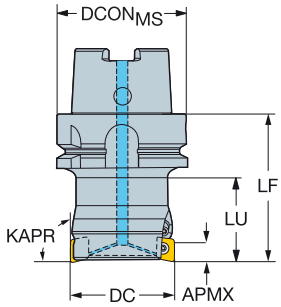
N15

# Fresa de escuadrar CoroMill® Century

**HSK - Suministro de refrigerante interior**

KAPR 90°






| DC | | CZC$_{MS}$ | APMX$_{FFW}$ | CNSC | ZADJ | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ISO | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40.0 | 11 | 63 | 11.00 | 1 | 3 | 3 | **R590-040HA06-11M** | 63.0 | A | 71.0 | 40.0 | 3.0 | 1.41 | 20000 | 3 | R590-1105.. |
| 50.0 | 11 | 63 | 11.00 | 1 | 4 | 4 | **R590-050HA06-11M** | 63.0 | A | 71.0 | 40.0 | 3.0 | 1.58 | 20000 | 4 | R590-1105.. |

| Piezas de repuesto | | |
|---|---|---|
| Tornillo de plaquita | Dispositivo de ajuste | Tornillo del dispositivo de ajuste |
| 5513 020-25 | 5513 014-021 | 5513 014-02 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

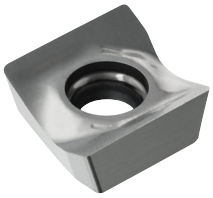
I87 L2 N23 N9 N15

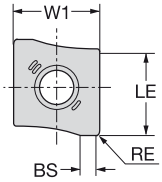


SANDVIK Coromant

# Plaquita CoroMill® Century para fresado

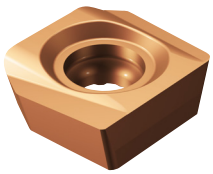
KRINS 90°

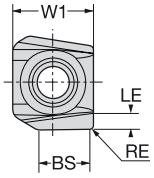





| | | | RE | Código de pedido | K | | N | H | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1020 | H10 | H10 | 1130 | W1 | LE | S | BS |
| Ligero | KL | 11 | 0.80 | R590-110508H-KL | ★ | | | | 11.5 | 11.0 | 5.00 | 1.7 |
| | NL | 11 | 0.40 | R590-110504H-NL | | ☆ | ★ | | 11.5 | 11.0 | 5.00 | 2.0 |
| | PL | 11 | 0.80 | R590-110508H-PL | | | | ☆ | 11.5 | 11.0 | 5.00 | 1.7 |

KRINS 90°






Wiper TECHNOLOGY

| | | | RE | Código de pedido | P | M | K | N | | S | H | Dimensiones, mm | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1130 | 1130 | 1020 | 1130 | H10 | 1130 | 1130 | W1 | LE | S | BS | BSR |
| Ligero | KTW | 11 | 0.40 | R590-110504H-KTW | | | ☆ | | | | | 11.5 | 11.0 | 5.00 | 7.0 | |
| | KW | 11 | 0.80 | R590-110508H-KW | | | | | | | ☆ | 11.5 | 11.0 | 5.00 | 7.0 | 500.0 |
| | NW | 11 | 0.40 | R590-110504H-NW | | | | | ☆ | | ☆ | 11.5 | 11.0 | 5.00 | 7.0 | 500.0 |
| | PTW | 11 | 0.40 | R590-110504H-PTW | ☆ | ☆ | | ☆ | | ☆ | ☆ | 11.5 | 11.0 | 5.00 | 7.0 | |
| | PW | 11 | 0.80 | R590-110508H-PW | ☆ | ☆ | | ☆ | | ☆ | ☆ | 11.5 | 11.0 | 5.00 | 7.0 | 500.0 |

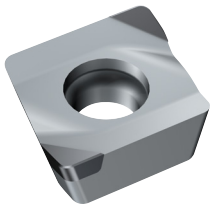
Asegúrese de elegir la plaquita de corte y la plaquita wiper con los mismos valores RE/KCH

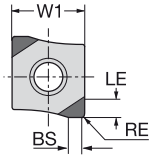
I84 I154 I175 N23 N6 N10 N2

# Plaquita CoroMill® Century para fresado

**Materiales de corte avanzados**

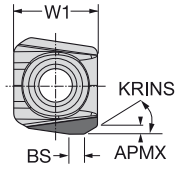
KRINS 90°



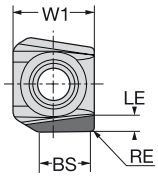


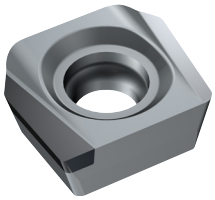

| | | | RE | KCH | CHW | Código de pedido | K CB50 | H CB50 | Dimensiones, mm W1 | LE | S | BS | BSR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ligero | KL | 11 | | 30° | 1.0 | L590-1105H-ZC2-KL | ☆ | ☆ | 11.5 | 3.0 | 5.00 | 2.3 | 200.0 |
| | | | | 60° | 1.5 | R590-1105H-ZC2-KL | ☆ | ☆ | 11.5 | 3.0 | 5.00 | 2.3 | 200.0 |
| Medio | KM | 11 | 0.80 | | | R590-110508H-PR2-KM | ☆ | ☆ | 11.5 | 2.0 | 5.00 | 1.5 | 25.0 |

KRINS 90°
R/L590..H-Z..-KW




90°
R590..PR2-KW



TECHNOLOGY Wiper

| | | | RE | KCH | CHW | Código de pedido | K CB50 | H CB50 | Dimensiones, mm W1 | LE | S | BS | BSR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ligero | KW | 11 | | 30° | 1.0 | L590-1105H-ZC2-KW | ☆ | ☆ | 11.5 | 3.0 | 5.00 | 5.9 | 390.0 |
| | | | | 60° | 1.5 | R590-1105H-ZC2-KW | ☆ | ☆ | 11.5 | 3.0 | 5.00 | 5.9 | 390.0 |
| | NW | 11 | 0.80 | | | R590-110508H-PR2-KW | ☆ | ☆ | 11.5 | 2.0 | 5.00 | 7.1 | 393.0 |

Asegúrese de elegir la plaquita de corte y la plaquita wiper con los mismos valores RE/KCH

I84 I154 I175 N23 N6 N10 N2

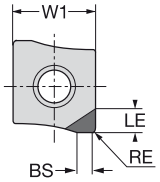
SPA

# Plaquita CoroMill® Century para fresado

**Materiales de corte avanzados**

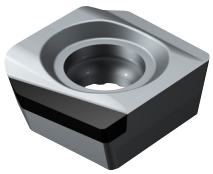
KRINS 90°

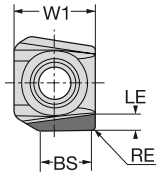





| | | | RE | KCH | CHW | Código de pedido | N | Dimensiones, mm | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | CD10 | W1 | LE | S | BS | BSR |
| Ligero | NL | 11 | | 45° | 1.0 | R590-1105H-PC2-NL | ★ | 11.5 | 3.0 | 5.00 | 1.5 | 200.0 |
| | | | | 45° | 1.0 | R590-1105H-PC5-NL | ★ | 11.5 | 6.0 | 5.00 | 1.5 | 200.0 |
| | | | 0.40 | | | R590-1105H-PR2-NL | ★ | 11.5 | 3.0 | 5.00 | 2.2 | 200.0 |
| | | | 0.40 | | | R590-1105H-PR5-NL | ★ | 11.5 | 6.0 | 5.00 | 2.2 | 200.0 |
| | | | | 45° | 0.3 | R590-1105H-PS2-NL | ★ | 11.5 | 3.0 | 5.00 | 2.2 | 200.0 |
| | | | | 45° | 0.1 | R590-1105H-PS5-NL | ★ | 11.5 | 6.0 | 5.00 | 2.2 | 200.0 |

KRINS 90°





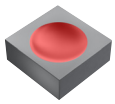
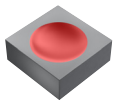
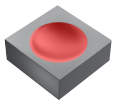
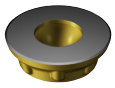
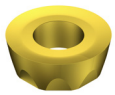
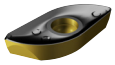
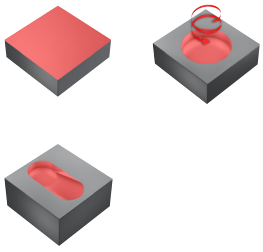
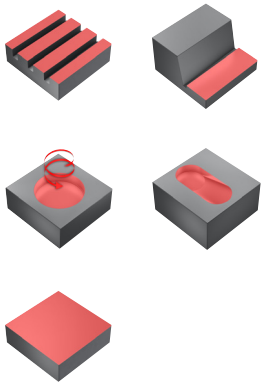
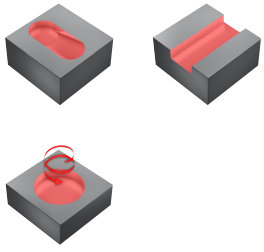

TECHNOLOGY Wiper

| | | | RE | KCH | CHW | Código de pedido | N | Dimensiones, mm | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | CD10 | W1 | LE | S | BS | BSR |
| Ligero | NW | 11 | | 45° | 1.2 | R590-1105H-RC2-NW | ☆ | 11.5 | 3.0 | 5.00 | 6.0 | 500.0 |
| | | | 0.40 | | | R590-1105H-RR2-NW | ☆ | 11.5 | 3.0 | 5.00 | 6.8 | 500.0 |
| | | | | 45° | 0.3 | R590-1105H-RS2-NW | ☆ | 11.5 | 3.0 | 5.00 | 7.0 | 500.0 |

Asegúrese de elegir la plaquita de corte y la plaquita wiper con los mismos valores RE/KCH

I84 I154 I175 N23 N6 N10 N2

# Herramientas de fresado de perfiles

| | CoroMill® 300 | CoroMill® 200 | CoroMill® 216 |
|---|---|---|---|
| |  |  |  |
| Página | I91 | I100 | I105 |
| Material | P M K N S H | P M K N S H | P M K N S H |
| Operación principal |  |  |  |
| KAPR | 0° | 0° | 90° |
| $D_c$ mm | 5 - 180 | 15 - 140 | 10 - 50 |
| DCX mm | 10 - 200 | 25 - 160 | 10 - 50 |
| APMX mm | 2.5 - 10 | 5 - 10 | 8.6 - 44.6 |
| Plaquita |  |  |  |
| Tamaños de plaquita | 05,07,08,10,12,16 & 20 | 10,12,16 & 20 | 10,12,16,20,25,30,32, 40 & 50 |
| Acoplamientos | Coromant Capto®<br>Coromant EH<br>Cilíndrico<br>En eje<br>Weldon<br>Acoplamiento roscado | Mango cilíndrico<br>En eje | Coromant Capto®<br>Mango cilíndrico<br>Coromant EH<br>Acoplamiento roscado<br>Weldon |
| Refrigerante interior | ✓ | | ✓ |
| Opciones | | Asiento de la punta con placa de apoyo protectora | |
| Otras operaciones |  |  |  |

# CoroMill® 300

## Fresas de perfilado y planeado de corte ligero

### Aplicación

- Fresado de ranuras
- Planeado
- Mecanizado en rampa
- Perfilado
- Fresado de cavidades



### Área de aplicación ISO:

P M K N S H

### Ventajas y características

- Producto universal con una amplísima horquilla de aplicación
- Extensa gama que cubre múltiples aplicaciones
- Las fresas de diseño positivo ofrecen una acción de corte ligera y generan bajas fuerzas de corte, permitiendo así usar fresas de planear de paso extra estrecho con plaquitas pequeñas para disfrutar de una gran productividad a velocidades y avances de mesa elevados
- Fresas de ranurar con una accesibilidad y acción de corte superiores en cualquier dirección de avance para operaciones de mecanizado multieje de formas complejas

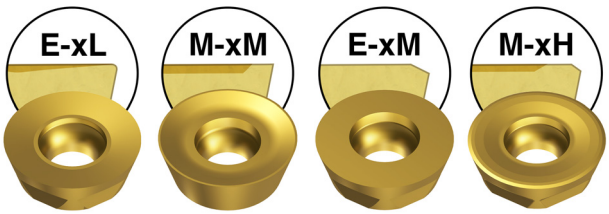
www.sandvik.coromant.com/coromill300

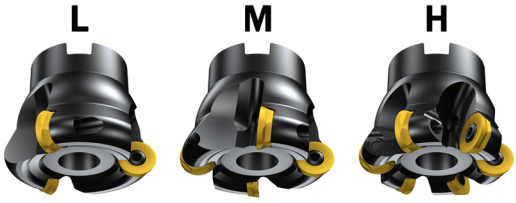
### Acoplamientos

- Coromant Capto®
- En eje
- Mango cilíndrico
- Weldon
- Coromant EH
- Acoplamientos roscados y calidades para todos los materiales

### Plaquitas

- Geometrías y calidades de plaquita para cualquier material




Paso amplio | Paso estrecho | Paso extra estrecho

Solución específica para el cambio de las plaquitas de tamaño 20 que previene su movimiento y permite utilizar todos sus filos.



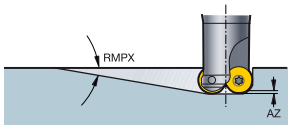
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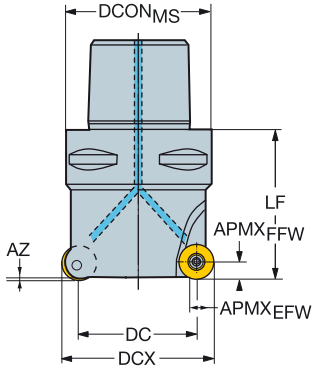
# Fresa de planear CoroMill® 300

**Coromant Capto® - Suministro de refrigerante interior**

**Diseño positivo**






| | | | | | | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DC | | $CZC_{MS}$ | $APMX_{EFW}$ | $APMX_{FFW}$ | RMPX | AZ | CNSC | | | Código de pedido | $DCON_{MS}$ | DCX | BD | LF | NM | KG | RPMX | CICT | MIID |
| 23.0 | 12 | C3 | 9.0 | 6.00 | 10° | 3.0 | 3 | | 3 | R300-035C3-12M | 32.0 | 35.0 | 28.3 | 43.0 | 3.0 | 0.36 | 32900 | 3 | R300-1240.. |
| | 12 | C3 | 9.0 | 6.00 | 10° | 3.0 | 3 | 4 | | R300-035C3-12H | 32.0 | 35.0 | 28.3 | 43.0 | 3.0 | 0.30 | 32900 | 4 | R300-1240.. |
| 25.0 | 10 | C3 | 7.5 | 5.00 | 7° | 2.3 | 3 | 4 | | R300-035C3-10H | 32.0 | 35.0 | 29.1 | 40.0 | 3.0 | 0.36 | 43200 | 4 | R300-1032.. |
| 27.0 | 08 | C3 | 6.0 | 4.00 | 4° | 1.9 | 3 | | 4 | R300-035C3-08M | 32.0 | 35.0 | 30.3 | 40.0 | 1.2 | 0.31 | 33800 | 4 | R300-0828.. |
| | 08 | C3 | 6.0 | 4.00 | 4° | 1.9 | 3 | 5 | | R300-035C3-08H | 32.0 | 35.0 | 30.3 | 40.0 | 1.2 | 0.31 | 33800 | 5 | R300-0828.. |
| 30.0 | 12 | C4 | 9.0 | 6.00 | 7° | 3.0 | 3 | | 3 | R300-042C4-12M | 40.0 | 42.0 | 35.3 | 50.0 | 3.0 | 0.60 | 28300 | 3 | R300-1240.. |
| | 12 | C4 | 9.0 | 6.00 | 7° | 3.0 | 3 | 4 | | R300-042C4-12H | 40.0 | 42.0 | 35.3 | 50.0 | 3.0 | 0.58 | 28300 | 4 | R300-1240.. |
| 32.0 | 10 | C4 | 7.5 | 5.00 | 5° | 2.3 | 3 | 5 | | R300-042C4-10H | 40.0 | 42.0 | 36.1 | 50.0 | 3.0 | 0.58 | 37200 | 5 | R300-1032.. |
| 34.0 | 08 | C4 | 6.0 | 4.00 | 3° | 1.9 | 3 | 6 | | R300-042C4-08H | 40.0 | 42.0 | 37.3 | 50.0 | 1.2 | 0.40 | 29800 | 6 | R300-0828.. |
| 36.0 | 16 | C5 | 12.0 | 8.00 | 7° | 3.8 | 3 | | 4 | R300-052C5-16M | 50.0 | 52.0 | 40.9 | 60.0 | 5.0 | 1.04 | 20600 | 4 | R300-1648.. |
| | 16 | C5 | 12.0 | 8.00 | 7° | 3.8 | 3 | 5 | | R300-052C5-16H | 50.0 | 52.0 | 40.9 | 60.0 | 5.0 | 1.04 | 20600 | 5 | R300-1648.. |
| 40.0 | 12 | C5 | 9.0 | 6.00 | 5° | 3.0 | 3 | | 4 | R300-052C5-12M | 50.0 | 52.0 | 45.3 | 50.0 | 3.0 | 0.98 | 24400 | 4 | R300-1240.. |
| | 12 | C5 | 9.0 | 6.00 | 5° | 3.0 | 3 | 5 | | R300-052C5-12H | 50.0 | 52.0 | 45.3 | 50.0 | 3.0 | 0.99 | 24000 | 5 | R300-1240.. |
| 44.0 | 08 | C5 | 6.0 | 4.00 | 2° | 1.9 | 3 | 8 | | R300-052C5-08H | 50.0 | 52.0 | 47.3 | 50.0 | 1.2 | 1.00 | 26100 | 8 | R300-0828.. |
| 46.0 | 20 | C6 | 15.0 | 10.00 | 9° | 6.0 | 3 | | 4 | R300-066C6-20M | 63.0 | 66.0 | | 80.0 | 7.5 | 1.88 | 18478 | 4 | R300-2060.. |
| | 20 | C6 | 15.0 | 10.00 | 9° | 6.0 | 3 | 5 | | R300-066C6-20H | 63.0 | 66.0 | | 80.0 | 7.5 | 1.83 | 18478 | 5 | R300-2060.. |
| 50.0 | 16 | C6 | 12.0 | 8.00 | 4° | 3.8 | 3 | | 5 | R300-066C6-16M | 63.0 | 66.0 | 54.9 | 60.0 | 5.0 | 1.77 | 17600 | 5 | R300-1648.. |
| | 16 | C6 | 12.0 | 8.00 | 4° | 3.8 | 3 | 6 | | R300-066C6-16H | 63.0 | 66.0 | 54.9 | 60.0 | 5.0 | 1.75 | 17600 | 6 | R300-1648.. |
| 54.0 | 12 | C6 | 9.0 | 6.00 | 3° | 3.0 | 3 | | 5 | R300-066C6-12M | 63.0 | 66.0 | 59.3 | 50.0 | 3.0 | 1.65 | 21700 | 5 | R300-1240.. |
| | 12 | C6 | 9.0 | 6.00 | 3° | 3.0 | 3 | 7 | | R300-066C6-12H | 63.0 | 66.0 | 59.3 | 50.0 | 3.0 | 1.67 | 21700 | 7 | R300-1240.. |
| 58.0 | 08 | C6 | 6.0 | 4.00 | 1° | 1.9 | 3 | 10 | | R300-066C6-08H | 63.0 | 66.0 | 61.3 | 50.0 | 1.2 | 1.65 | 23100 | 10 | R300-0828.. |
| 60.0 | 20 | C6 | 15.0 | 10.00 | 6° | 6.0 | 3 | | 5 | R300-080C6-20M | 63.0 | 80.0 | | 80.0 | 7.5 | 2.24 | 15622 | 5 | R300-2060.. |
| | 20 | C6 | 15.0 | 10.00 | 6° | 6.0 | 3 | 6 | | R300-080C6-20H | 63.0 | 80.0 | | 80.0 | 7.5 | 2.20 | 15622 | 6 | R300-2060.. |
| 64.0 | 16 | C6 | 12.0 | 8.00 | 3° | 3.8 | 3 | | 5 | R300-080C6-16M | 63.0 | 80.0 | 68.9 | 60.0 | 5.0 | 2.02 | 15400 | 5 | R300-1648.. |
| | 16 | C6 | 12.0 | 8.00 | 3° | 3.8 | 3 | 7 | | R300-080C6-16H | 63.0 | 80.0 | 68.9 | 60.0 | 5.0 | 2.02 | 15400 | 7 | R300-1648.. |
| 68.0 | 12 | C6 | 9.0 | 6.00 | 2° | 3.0 | 3 | | 6 | R300-080C6-12M | 63.0 | 80.0 | 73.3 | 50.0 | 3.0 | 1.82 | 18900 | 6 | R300-1240.. |
| | 12 | C6 | 9.0 | 6.00 | 2° | 3.0 | 3 | 8 | | R300-080C6-12H | 63.0 | 80.0 | 59.3 | 50.0 | 3.0 | 1.72 | 18900 | 8 | R300-1240.. |
| 72.0 | 08 | C6 | 6.0 | 4.00 | 1° | 1.9 | 3 | 12 | | R300-080C6-08H | 63.0 | 80.0 | 75.3 | 50.0 | 1.2 | 1.84 | 20500 | 12 | R300-0828.. |
| 80.0 | 20 | C8 | 15.0 | 10.00 | 4° | 6.0 | 3 | | 6 | R300-100C8-20M | 80.0 | 100.0 | | 80.0 | 7.5 | 3.72 | 12843 | 6 | R300-2060.. |
| | 20 | C8 | 15.0 | 10.00 | 4° | 6.0 | 3 | 7 | | R300-100C8-20H | 80.0 | 100.0 | | 80.0 | 7.5 | 3.48 | 12843 | 7 | R300-2060.. |

| | Piezas de repuesto |
|---|---|
| | Tornillo de plaquita |
| 08 | 5513 020-56 |
| 10 | 5513 020-09 |
| 12 | 5513 020-09 |
| 16 | 5513 020-50 |
| 20 | 5513 020-31 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I99 L2 N23 N6 N9 N15



SANDVIK Coromant

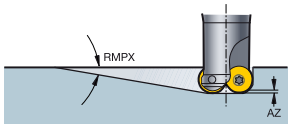
SPA

# Fresa de planear CoroMill® 300

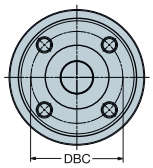
**Eje - Suministro de refrigerante interior**

**Diseño positivo**

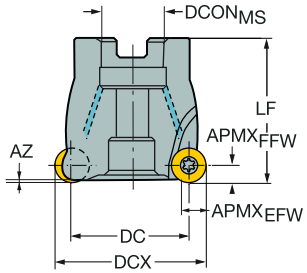





STDNO




ISO6462




| DC | | CZCMS | APMXEFW | APMXFFW | RMPX | AZ | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | ISO | DBC | DCX | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32.0 | 08 | 16 | 6.0 | 4.00 | 3° | 1.9 | 1 | | 5 | R300-040Q16-08M | 16.0 | A | | 40.0 | 40.0 | 1.2 | 0.44 | 30800 | 5 | R300-0828.. |
| | 08 | 16 | 6.0 | 4.00 | 3° | 1.9 | 1 | 6 | | R300-040Q16-08H | 16.0 | A | | 40.0 | 40.0 | 1.2 | 0.20 | 30800 | 6 | R300-0828.. |
| 38.0 | 12 | 22 | 9.0 | 6.00 | 5° | 3.0 | 1 | | 4 | R300-050Q22-12M | 22.0 | A | | 50.0 | 50.0 | 3.0 | 0.44 | 25000 | 4 | R300-1240.. |
| | 12 | 22 | 9.0 | 6.00 | 5° | 3.0 | 1 | 5 | | R300-050Q22-12H | 22.0 | A | | 50.0 | 50.0 | 3.0 | 0.40 | 25000 | 5 | R300-1240.. |
| 40.0 | 12 | 22 | 9.0 | 6.00 | 5° | 3.0 | 1 | | 4 | R300-052Q22-12M | 22.0 | A | | 52.0 | 50.0 | 3.0 | 0.79 | 24400 | 4 | R300-1240.. |
| | 12 | 22 | 9.0 | 6.00 | 5° | 3.0 | 1 | 5 | | R300-052Q22-12H | 22.0 | A | | 52.0 | 50.0 | 3.0 | 0.46 | 24400 | 5 | R300-1240.. |
| 42.0 | 08 | 22 | 6.0 | 4.00 | 2° | 1.9 | 1 | 8 | | R300-050Q22-08H | 22.0 | A | | 50.0 | 50.0 | 1.2 | 0.45 | 26700 | 8 | R300-0828.. |
| 44.0 | 08 | 22 | 6.0 | 4.00 | 2° | 1.9 | 1 | 8 | | R300-052Q22-08H | 22.0 | A | | 52.0 | 50.0 | 1.2 | 0.85 | 26100 | 8 | R300-0828.. |
| 47.0 | 16 | 22 | 12.0 | 8.00 | 5° | 3.8 | 1 | | 4 | R300-063Q22-16M | 22.0 | A | | 63.0 | 50.0 | 5.0 | 0.72 | 18200 | 4 | R300-1648.. |
| | 16 | 22 | 12.0 | 8.00 | 5° | 3.8 | 1 | 6 | | R300-063Q22-16H | 22.0 | A | | 63.0 | 50.0 | 5.0 | 0.86 | 18200 | 6 | R300-1648.. |
| 51.0 | 12 | 22 | 9.0 | 6.00 | 3° | 3.0 | 1 | | 4 | R300-063Q22-12L | 22.0 | A | | 63.0 | 50.0 | 3.0 | 0.97 | 22100 | 4 | R300-1240.. |
| | 12 | 22 | 9.0 | 6.00 | 3° | 3.0 | 1 | | 5 | R300-063Q22-12M | 22.0 | A | | 63.0 | 50.0 | 3.0 | 0.60 | 22100 | 5 | R300-1240.. |
| | 12 | 22 | 9.0 | 6.00 | 3° | 3.0 | 1 | 7 | | R300-063Q22-12H | 22.0 | A | | 63.0 | 50.0 | 3.0 | 0.57 | 22100 | 7 | R300-1240.. |
| 55.0 | 08 | 22 | 6.0 | 4.00 | 1° | 1.9 | 1 | 10 | | R300-063Q22-08H | 22.0 | A | | 63.0 | 50.0 | 1.2 | 0.82 | 23700 | 10 | R300-0828.. |
| 60.0 | 20 | 27 | 15.0 | 10.00 | 6° | 6.0 | 1 | | 5 | R300-080Q27-20M | 27.0 | A | | 80.0 | 50.0 | 7.5 | 0.95 | 15622 | 5 | R300-2060.. |
| | 20 | 27 | 15.0 | 10.00 | 6° | 6.0 | 1 | 6 | | R300-080Q27-20H | 27.0 | A | | 80.0 | 50.0 | 7.5 | 1.07 | 15622 | 6 | R300-2060.. |
| 64.0 | 16 | 27 | 12.0 | 8.00 | 3° | 3.8 | 1 | | 5 | R300-080Q27-16M | 27.0 | A | | 80.0 | 50.0 | 5.0 | 0.98 | 15400 | 5 | R300-1648.. |
| | 16 | 27 | 12.0 | 8.00 | 3° | 3.8 | 1 | 7 | | R300-080Q27-16H | 27.0 | A | | 80.0 | 50.0 | 5.0 | 1.15 | 15400 | 7 | R300-1648.. |
| 68.0 | 12 | 27 | 9.0 | 6.00 | 2° | 3.0 | 1 | | 6 | R300-080Q27-12M | 27.0 | A | | 80.0 | 50.0 | 3.0 | 0.90 | 18900 | 6 | R300-1240.. |
| | 12 | 27 | 9.0 | 6.00 | 2° | 3.0 | 1 | 8 | | R300-080Q27-12H | 27.0 | A | | 80.0 | 50.0 | 3.0 | 1.06 | 18900 | 8 | R300-1240.. |
| 72.0 | 08 | 27 | 6.0 | 4.00 | 1° | 1.9 | 1 | 12 | | R300-080Q27-08H | 27.0 | A | | 80.0 | 50.0 | 1.2 | 1.31 | 20500 | 12 | R300-0828.. |
| 80.0 | 20 | 32 | 15.0 | 10.00 | 4° | 6.0 | 1 | | 5 | R300-100Q32-20L | 32.0 | A | | 100.0 | 63.0 | 7.5 | 2.46 | 12843 | 5 | R300-2060.. |
| | 20 | 32 | 15.0 | 10.00 | 4° | 6.0 | 1 | | 6 | R300-100Q32-20M | 32.0 | A | | 100.0 | 63.0 | 7.5 | 2.40 | 12843 | 6 | R300-2060.. |
| | 20 | 32 | 15.0 | 10.00 | 4° | 6.0 | 1 | 7 | | R300-100Q32-20H | 32.0 | A | | 100.0 | 63.0 | 7.5 | 2.41 | 12843 | 7 | R300-2060.. |
| 84.0 | 16 | 32 | 12.0 | 8.00 | 2° | 3.8 | 1 | | 6 | R300-100Q32-16M | 32.0 | A | | 100.0 | 50.0 | 5.0 | 1.68 | 13300 | 6 | R300-1648.. |
| | 16 | 32 | 12.0 | 8.00 | 2° | 3.8 | 1 | 8 | | R300-100Q32-16H | 32.0 | A | | 100.0 | 50.0 | 5.0 | 1.67 | 13300 | 8 | R300-1648.. |
| 105.0 | 20 | 40 | 15.0 | 10.00 | 3° | 6.0 | 1 | | 7 | R300-125Q40-20M | 40.0 | B | | 125.0 | 63.0 | 7.5 | 3.03 | 10768 | 7 | R300-2060.. |
| | 20 | 40 | 15.0 | 10.00 | 3° | 6.0 | 1 | 9 | | R300-125Q40-20H | 40.0 | B | | 125.0 | 63.0 | 7.5 | 2.93 | 10768 | 9 | R300-2060.. |
| 109.0 | 16 | 32 | 12.0 | 8.00 | 1° | 3.8 | 1 | | 8 | R300-125Q32-16M | 32.0 | A | | 125.0 | 63.0 | 5.0 | 2.55 | 11900 | 8 | R300-1648.. |
| | 16 | 32 | 12.0 | 8.00 | 1° | 3.8 | 1 | 10 | | R300-125Q32-16H | 32.0 | A | | 125.0 | 63.0 | 5.0 | 2.88 | 11900 | 10 | R300-1648.. |
| 140.0 | 20 | 40 | 15.0 | 10.00 | 2° | 6.0 | 1 | | 9 | R300-160Q40-20M | 40.0 | B | | 160.0 | 63.0 | 7.5 | 4.93 | 9106 | 9 | R300-2060.. |
| | 20 | 40 | 15.0 | 10.00 | 2° | 6.0 | 1 | 11 | | R300-160Q40-20H | 40.0 | B | | 160.0 | 63.0 | 7.5 | 4.83 | 9106 | 11 | R300-2060.. |
| 180.0 | 20 | 60 | 15.0 | 10.00 | 1° | 6.0 | 0 | | 11 | R300-200Q60-20M | 60.0 | C | 101.6 | 200.0 | 63.0 | 7.5 | 11.20 | 7799 | 11 | R300-2060.. |

| | Piezas de repuesto |
|---|---|
| | Tornillo de plaquita |
| 08 | 5513 020-56 |
| 12 | 5513 020-09 |
| 16 | 5513 020-50 |
| 20 | 5513 020-31 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

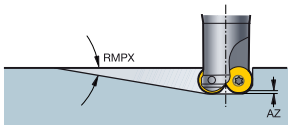
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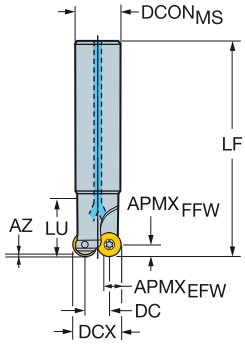
# Fresa de planear CoroMill® 300

**Mango cilíndrico - Suministro de refrigerante interior**

**Diseño positivo**






| DC | | CZCMS | APMXEFW | APMXFFW | RMPX | AZ | CNSC | | | Código de pedido | Dimensiones, mm DCONMS | DCX | BD | LB | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15.0 | 10 | 20 | 7.5 | 5.00 | 13° | 2.3 | 1 | | 2 | R300-025A20-10M | 20.0 | 25.0 | 19.1 | 33.0 | 150.0 | 3.0 | 0.50 | 2850 | 2 | R300-1032.. |
| 17.0 | 08 | 20 | 6.0 | 4.00 | 8° | 1.9 | 1 | | 3 | R300-025A20-08M | 20.0 | 25.0 | 20.3 | 25.0 | 150.0 | 1.2 | 0.44 | 7200 | 3 | R300-0828.. |
| 20.0 | 12 | 25 | 9.0 | 6.00 | 12° | 3.0 | 1 | | 2 | R300-032A25-12M | 25.0 | 32.0 | 25.3 | 25.0 | 190.0 | 3.0 | 0.82 | 8900 | 2 | R300-1240.. |
| | 12 | 25 | 9.0 | 6.00 | 12° | 3.0 | 1 | 3 | | R300-032A25-12H | 25.0 | 32.0 | 25.3 | 25.0 | 150.0 | 3.0 | 0.65 | 3550 | 3 | R300-1240.. |
| 22.0 | 10 | 25 | 7.5 | 5.00 | 7° | 2.3 | 1 | | 3 | R300-032A25-10M | 25.0 | 32.0 | 26.1 | 25.0 | 190.0 | 3.0 | 0.82 | 1470 | 3 | R300-1032.. |
| | 10 | 25 | 7.5 | 5.00 | 7° | 2.3 | 1 | 4 | | R300-032A25-10H | 25.0 | 32.0 | 26.1 | 25.0 | 150.0 | 3.0 | 0.70 | 2850 | 4 | R300-1032.. |
| 24.0 | 08 | 25 | 6.0 | 4.00 | 5° | 1.9 | 1 | | 4 | R300-032A25-08M | 25.0 | 32.0 | 27.3 | 25.0 | 190.0 | 1.2 | 0.79 | 9000 | 4 | R300-0828.. |
| | 08 | 25 | 6.0 | 4.00 | 5° | 1.9 | 1 | 5 | | R300-032A25-08H | 25.0 | 32.0 | 27.3 | 25.0 | 150.0 | 1.2 | 0.61 | 3590 | 5 | R300-0828.. |
| 28.0 | 12 | 32 | 9.0 | 6.00 | 8° | 3.0 | 1 | | 3 | R300-040A32-12M | 32.0 | 40.0 | 33.3 | 25.0 | 250.0 | 3.0 | 1.78 | 1140 | 3 | R300-1240.. |
| | 12 | 32 | 9.0 | 6.00 | 8° | 3.0 | 1 | 4 | | R300-040A32-12H | 32.0 | 40.0 | 33.3 | 25.0 | 150.0 | 3.0 | 1.01 | 2850 | 4 | R300-1240.. |

| | | Piezas de repuesto |
|---|---|---|
| DC | | Tornillo de plaquita |
| 17.00-24.00 | 08 | 5513 020-56 |
| 15.00 | 10 | 5513 020-43 |
| 22.00 | 10 | 5513 020-09 |
| 20.00-28.00 | 12 | 5513 020-09 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I99 L2 N23 N6 N9 N15

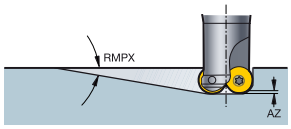
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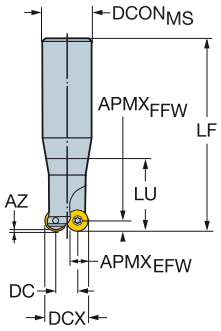
# Fresa de planear CoroMill® 300

**Mango cilíndrico**

**Diseño neutro**






| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCX | BD | LB | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.0 | 05 | 16 | 3.8 | 2.50 | 20° | 1.8 | 2 | R300-010A16L-05L | 16.0 | 10.0 | 9.1 | 18.0 | 160.0 | 25.4 | 0.6 | 0.32 | 15900 | 2 | R300-0517.. |
| | 07 20 | 16 | 5.3 | 3.50 | 20° | 1.0 | 2 | R300-012A16L-07L | 16.0 | 12.0 | 10.4 | 21.0 | 200.0 | 37.8 | 0.9 | 0.38 | 8900 | 2 | R300-0720.. |
| 8.0 | 07 24 | 20 | 5.3 | 3.50 | 20° | 0.9 | 2 | R300-015A20L-07L | 20.0 | 15.0 | 13.4 | 25.0 | 200.0 | 43.8 | 0.9 | 0.54 | 12700 | 2 | R300-0724.. |
| | 08 | 20 | 6.0 | 4.00 | 20° | 1.8 | 2 | R300-016A20L-08L | 20.0 | 16.0 | 14.1 | 25.0 | 200.0 | 51.9 | 1.2 | 0.54 | 12700 | 2 | R300-0828.. |
| 10.0 | 10 | 25 | 7.5 | 5.00 | 20° | 3.4 | 2 | R300-020A25L-10L | 25.0 | 20.0 | 18.1 | 30.0 | 250.0 | 48.8 | 3.0 | 0.87 | 8100 | 2 | R300-1032.. |
| 12.0 | 12 | 25 | 9.0 | 6.00 | 20° | 2.7 | 2 | R300-024A25L-12L | 25.0 | 24.0 | 22.1 | 30.0 | 250.0 | 76.0 | 3.0 | 1.20 | 8900 | 2 | R300-1240.. |
| 13.0 | 12 | 32 | 9.0 | 6.00 | 20° | 1.4 | 2 | R300-025A32L-12L | 32.0 | 25.0 | 23.1 | 30.0 | 250.0 | 42.9 | 3.0 | 1.69 | 15800 | 2 | R300-1240.. |
| 16.0 | 16 | 32 | 12.0 | 8.00 | 20° | 4.8 | 2 | R300-032A32L-16L | 32.0 | 32.0 | 29.0 | 40.0 | 250.0 | 72.2 | 5.0 | 1.76 | 8700 | 2 | R300-1648.. |

| | | Piezas de repuesto |
|---|---|---|
| DC | | Tornillo de plaquita |
| 5.00 | 05 | 5513 020-40 |
| 5.00 | 07 20 | 5513 020-41 |
| 8.00 | 07 24 | 5513 020-42 |
| 8.00 | 08 | 5513 020-36 |
| 10.00 | 10 | 5513 020-43 |
| 12.00-13.00 | 12 | 5513 020-39 |
| 16.00 | 16 | 5513 020-50 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

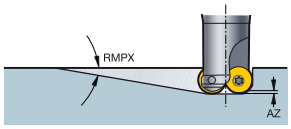
I99 L2 N23 N6 N9

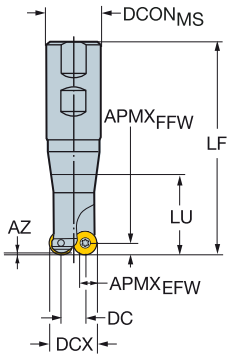
# Fresa de planear CoroMill® 300

**Weldon**

**Diseño neutro**






| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ISO | DCX | BD | LB | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.0 | 07 20 | 16 | 5.3 | 3.50 | 20° | 1.0 | 2 | **R300-012B16L-07L** | 16.0 | WE | 12.0 | 10.4 | 21.0 | 109.0 | 37.6 | 0.9 | 0.24 | 34000 | 2 | R300-0720.. |
| 8.0 | 07 24 | 20 | 5.3 | 3.50 | 20° | 0.9 | 2 | **R300-015B20L-07L** | 20.0 | WE | 15.0 | 13.4 | 25.0 | 131.0 | 43.6 | 0.9 | 0.38 | 25000 | 2 | R300-0724.. |
| | 08 | 20 | 6.0 | 4.00 | 20° | 1.8 | 2 | **R300-016B20L-08L** | 20.0 | WE | 16.0 | 14.1 | 25.0 | 131.0 | 51.6 | 1.2 | 0.38 | 24700 | 2 | R300-0828.. |
| 10.0 | 10 | 25 | 7.5 | 5.00 | 20° | 3.4 | 2 | **R300-020B25L-10L** | 25.0 | WE | 20.0 | 18.1 | 30.0 | 137.0 | 48.4 | 3.0 | 0.58 | 34000 | 2 | R300-1032.. |
| 13.0 | 12 | 32 | 9.0 | 6.00 | 20° | 1.4 | 2 | **R300-025B32L-12L** | 32.0 | WE | 25.0 | 23.1 | 30.0 | 141.0 | 42.8 | 3.0 | 0.82 | 20200 | 2 | R300-1240.. |

| | | Piezas de repuesto |
|---|---|---|
| DC | | Tornillo de plaquita |
| 5.00 | 07 20 | 5513 020-41 |
| 8.00 | 07 24 | 5513 020-42 |
| 8.00 | 08 | 5513 020-36 |
| 10.00 | 10 | 5513 020-43 |
| 13.00 | 12 | 5513 020-39 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I99 L2 N23 N6 N9

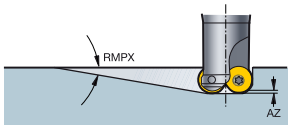


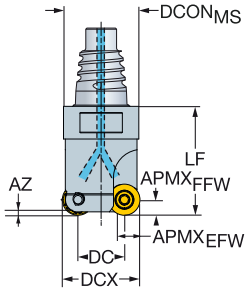
SANDVIK Coromant

# Fresa de planear CoroMill® 300

**Coromant EH - Suministro de refrigerante interior**






## Diseño neutro

| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | CNSC | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCX | BD | LB | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.0 | 05 | E10 | 3.8 | 2.50 | 20° | 1.8 | 1 | 2 | R300-10EH10-05L | 9.7 | 10.0 | 9.0 | 13.1 | 20.0 | 0.6 | 0.06 | 20000 | 2 | R300-0517.. |
| | 07 20 | E12 | 5.3 | 3.50 | 20° | 1.0 | 1 | 2 | R300-12EH12-07L | 11.7 | 12.0 | 10.3 | 17.5 | 25.0 | 0.9 | 0.07 | 20000 | 2 | R300-0720.. |
| 7.0 | 05 | E12 | 3.8 | 2.50 | 10° | 1.0 | 1 | 3 | R300-12EH12-05M | 11.7 | 12.0 | 11.0 | 12.5 | 20.0 | 0.6 | 0.10 | 20000 | 3 | R300-0517.. |
| 8.0 | 07 20 | E12 | 5.3 | 3.50 | 20° | 1.1 | 1 | 3 | R300-15EH12-07M | 11.7 | 15.0 | 13.3 | 17.5 | 25.0 | 0.9 | 0.10 | 20000 | 3 | R300-0720.. |
| | 07 24 | E12 | 5.3 | 3.50 | 20° | 0.9 | 1 | 2 | R300-15EH12-07L | 11.7 | 15.0 | 13.3 | 17.5 | 25.0 | 0.9 | 0.10 | 20000 | 2 | R300-0724.. |
| | 08 | E16 | 6.0 | 4.00 | 20° | 1.8 | 1 | 2 | R300-16EH16-08L | 15.5 | 16.0 | 14.0 | 21.3 | 30.0 | 1.2 | 0.09 | 20000 | 2 | R300-0828.. |
| 9.0 | 07 20 | E16 | 5.3 | 3.50 | 15° | 0.9 | 1 | 3 | R300-16EH16-07M | 15.5 | 16.0 | 14.3 | 16.3 | 25.0 | 0.9 | 0.11 | 20000 | 3 | R300-0720.. |
| 10.0 | 10 | E20 | 7.5 | 5.00 | 20° | 3.4 | 1 | 2 | R300-20EH20-10L | 19.3 | 20.0 | 18.0 | 25.0 | 35.0 | 3.0 | 0.12 | 20000 | 2 | R300-1032.. |
| 12.0 | 08 | E20 | 6.0 | 4.00 | 12° | 1.5 | 1 | 3 | R300-20EH20-08M | 19.3 | 20.0 | 18.0 | 20.0 | 30.0 | 1.2 | 0.13 | 20000 | 3 | R300-0828.. |
| | 12 | E20 | 9.0 | 6.00 | 20° | 2.7 | 1 | 2 | R300-24EH20-12L | 19.3 | 24.0 | 22.0 | 25.0 | 35.0 | 3.0 | 0.17 | 15000 | 2 | R300-1240.. |
| 15.0 | 10 | E25 | 7.5 | 5.00 | 15° | 1.1 | 1 | 2 | R300-25EH25-10L | 24.2 | 25.0 | 23.0 | 24.5 | 35.0 | 3.0 | 0.20 | 15000 | 2 | R300-1032.. |
| | 10 | E25 | 7.5 | 5.00 | 15° | 1.3 | 1 | 3 | R300-25EH25-10M | 24.2 | 25.0 | 23.0 | 24.5 | 35.0 | 3.0 | 0.19 | 15000 | 3 | R300-1032.. |
| 16.0 | 16 | E25 | 12.0 | 8.00 | 20° | 4.8 | 1 | 2 | R300-32EH25-16L | 24.2 | 32.0 | 28.9 | 29.5 | 40.0 | 5.0 | 0.23 | 15000 | 2 | R300-1648.. |
| 20.0 | 12 | E25 | 9.0 | 6.00 | 15° | 1.4 | 1 | 3 | R300-32EH25-12M | 24.2 | 32.0 | 30.0 | 24.5 | 35.0 | 3.0 | 0.21 | 15000 | 3 | R300-1240.. |
| 22.0 | 10 | E25 | 7.5 | 5.00 | 10° | 1.7 | 1 | 4 | R300-32EH25-10H | 24.2 | 32.0 | 30.0 | 24.5 | 35.0 | 3.0 | 0.23 | 15000 | 4 | R300-1032.. |

## Diseño positivo

| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | CNSC | | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCX | BD | LB | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17.0 | 08 | E25 | 6.0 | 4.00 | 5° | 0.6 | 1 | | 3 | R300-25EH25-08M | 24.2 | 25.0 | 20.3 | 24.5 | 35.0 | 1.2 | 0.17 | 15000 | 3 | R300-0828.. |
| 24.0 | 08 | E25 | 6.0 | 4.00 | 5° | 2.0 | 1 | | 4 | R300-32EH25-08M | 24.2 | 32.0 | 27.3 | 24.5 | 35.0 | 1.2 | 0.21 | 15000 | 4 | R300-0828.. |
| | 08 | E25 | 6.0 | 4.00 | 5° | 2.0 | 1 | 5 | | R300-32EH25-08H | 24.2 | 32.0 | 27.3 | 24.5 | 35.0 | 1.2 | 0.20 | 15000 | 5 | R300-0828.. |

## Diseño neutro

| | | Piezas de repuesto |
|---|---|---|
| DC | | Tornillo de plaquita |
| 5.00-9.00 | 07 20 | 5513 020-41 |
| 8.00 | 07 24 | 5513 020-42 |
| 5.00-7.00 | 05 | 5513 020-40 |
| 8.00-12.00 | 08 | 5513 020-36 |
| 10.00-22.00 | 10 | 5513 020-43 |
| 12.00-20.00 | 12 | 5513 020-39 |
| 16.00 | 16 | 5513 020-50 |

## Diseño positivo

| Piezas de repuesto |
|---|
| Tornillo de plaquita |
| 5513 020-56 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es


I99


L2



N23



N6



N9



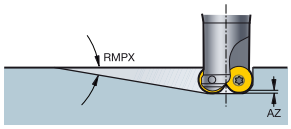
N15

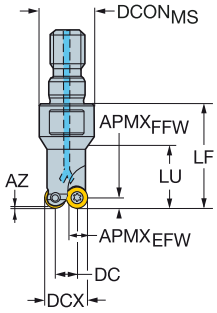

N3

# Fresa de planear CoroMill® 300

**Acoplamiento roscado - Suministro de refrigerante interior**






## Diseño neutro

| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | CNSC | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCX | BD | LB | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.0 | 07 20 | M8 | 5.3 | 3.50 | 20° | 1.0 | 0 | 2 | R300-12T08-07L | 12.8 | 12.0 | 10.4 | 21.0 | 25.0 | 17.3 | 0.9 | 0.09 | 9100 | 2 | R300-0720.. |
| 7.0 | 05 | M8 | 3.8 | 2.50 | 10° | 1.0 | 0 | 3 | R300-12T08-05M | 12.8 | 12.0 | 11.1 | 18.0 | 25.0 | | 0.6 | 0.05 | 9100 | 3 | R300-0517.. |
| 8.0 | 07 24 | M8 | 5.3 | 3.50 | 20° | 0.9 | 0 | 2 | R300-15T08-07L | 12.8 | 15.0 | 13.4 | | 25.0 | | 0.9 | 0.10 | 9100 | 2 | R300-0724.. |
| | 08 | M8 | 6.0 | 4.00 | 20° | 1.8 | 0 | 2 | R300-16T08-08L | 12.8 | 16.0 | 14.0 | | 25.0 | | 1.2 | 0.05 | 9100 | 2 | R300-0828.. |
| 10.0 | 10 | M10 | 7.5 | 5.00 | 20° | 3.4 | 1 | 2 | R300-20T10-10L | 17.8 | 20.0 | 18.1 | | 30.0 | | 3.0 | 0.09 | 9100 | 2 | R300-1032.. |
| 12.0 | 08 | M10 | 6.0 | 4.00 | 12° | 1.5 | 1 | 3 | R300-20T10-08M | 17.8 | 20.0 | 18.1 | | 30.0 | | 1.2 | 0.03 | 9100 | 3 | R300-0828.. |
| | 12 | M12 | 9.0 | 6.00 | 20° | 2.7 | 1 | 2 | R300-24T12-12L | 20.8 | 24.0 | 22.1 | | 35.0 | | 3.0 | 0.18 | 9100 | 2 | R300-1240.. |
| 15.0 | 10 | M12 | 7.5 | 5.00 | 15° | 1.1 | 1 | 2 | R300-25T12-10L | 20.8 | 25.0 | 23.1 | | 35.0 | | 3.0 | 0.16 | 9100 | 2 | R300-1032.. |
| | 10 | M12 | 7.5 | 5.00 | 15° | 1.3 | 1 | 3 | R300-25T12-10M | 20.8 | 25.0 | 23.1 | | 35.0 | | 3.0 | 0.20 | 9100 | 3 | R300-1032.. |
| 20.0 | 12 | M16 | 9.0 | 6.00 | 15° | 1.4 | 1 | 3 | R300-32T16-12M | 28.8 | 32.0 | 30.1 | | 45.0 | | 3.0 | 0.31 | 9100 | 3 | R300-1240.. |
| 22.0 | 10 | M16 | 7.5 | 5.00 | 10° | 1.7 | 1 | 4 | R300-32T16-10H | 28.8 | 32.0 | 30.1 | | 45.0 | | 3.0 | 0.33 | 9100 | 4 | R300-1032.. |
| 23.0 | 12 | M16 | 9.0 | 6.00 | 16° | 5.0 | 1 | 3 | R300-35T16-12M | 28.8 | 35.0 | 33.1 | | 45.0 | | 3.0 | 0.34 | 9100 | 3 | R300-1240.. |
| 25.0 | 10 | M16 | 7.5 | 5.00 | 10° | 3.6 | 1 | 4 | R300-35T16-10H | 28.8 | 35.0 | 33.1 | | 45.0 | | 3.0 | 0.38 | 9100 | 4 | R300-1032.. |
| 28.0 | 12 | M16 | 9.0 | 6.00 | 13° | 5.0 | 1 | 4 | R300-40T16-12M | 28.8 | 40.0 | 38.1 | | 45.0 | | 3.0 | 0.35 | 9100 | 4 | R300-1240.. |
| 30.0 | 10 | M16 | 7.5 | 5.00 | 8° | 3.6 | 1 | 5 | R300-40T16-10H | 28.8 | 40.0 | 38.1 | | 45.0 | | 3.0 | 0.37 | 9100 | 5 | R300-1032.. |
| | 12 | M16 | 9.0 | 6.00 | 12° | 5.0 | 1 | 4 | R300-42T16-12M | 28.8 | 42.0 | 40.1 | | 45.0 | | 3.0 | 0.04 | 9100 | 4 | R300-1240.. |
| 32.0 | 10 | M16 | 7.5 | 5.00 | 7° | 3.6 | 1 | 5 | R300-42T16-10H | 28.8 | 42.0 | 40.1 | | 45.0 | | 3.0 | 0.41 | 9100 | 5 | R300-1032.. |

## Diseño positivo

| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | CNSC | | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCX | BD | LB | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17.0 | 08 | M12 | 6.0 | 4.00 | 8° | 1.9 | 1 | | 3 | R300-25T12-08M | 20.8 | 25.0 | 20.3 | 18.0 | 35.0 | 1.2 | 0.18 | 9100 | 3 | R300-0828.. |
| 24.0 | 08 | M16 | 6.0 | 4.00 | 5° | 1.9 | 1 | | 4 | R300-32T16-08M | 28.8 | 32.0 | 27.3 | 28.0 | 45.0 | 1.2 | 0.30 | 9100 | 4 | R300-0828.. |
| | 08 | M16 | 6.0 | 4.00 | 5° | 1.9 | 1 | 5 | | R300-32T16-08H | 28.8 | 32.0 | 27.3 | 28.0 | 45.0 | 1.2 | 0.30 | 9100 | 5 | R300-0828.. |
| 32.0 | 08 | M16 | 6.0 | 4.00 | 3° | 1.9 | 1 | 6 | | R300-40T16-08H | 28.8 | 40.0 | 35.3 | 28.0 | 45.0 | 1.2 | 0.38 | 9100 | 6 | R300-0828.. |

## Diseño neutro

| | | Piezas de repuesto |
|---|---|---|
| DC | | Tornillo de plaquita |
| 5.00 | 07 20 | 5513 020-41 |
| 8.00 | 07 24 | 5513 020-42 |
| 7.00 | 05 | 5513 020-40 |
| 8.00-12.00 | 08 | 5513 020-36 |
| 10.00-32.00 | 10 | 5513 020-43 |
| 12.00-30.00 | 12 | 5513 020-39 |

## Diseño positivo

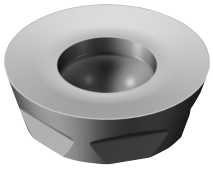
| Piezas de repuesto |
|---|
| Tornillo de plaquita |
| 5513 020-56 |

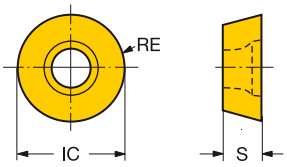
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I99 N23 N6 N9 N15

SPA

# Plaquita CoroMill® 300 para fresado






| | | RE | Código de pedido | P | | | | M | | K | | | N | | S | | | | H | | Dimensiones, mm | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1130 | 4220 | 4330 | 4340 | 1040 | 1130 | 2040 | 1020 | 3040 | 3330 | H13A | 1130 | H13A | 1130 | H13A | S30T | S40T | 1010 | 1130 | IC | S |
| Ligero | 08 | 4.00 | R300-0828E-KL | | | | | | | | | | ☆ | | ★ | | | ☆ | | | | | 8.0 | 2.78 |
| | | 4.00 | R300-0828E-PL | ★ | | | | | ☆ | | | | | ☆ | | ☆ | | ★ | ☆ | ★ | ☆ | 8.0 | 2.78 |
| | 10 | 5.00 | R300-1032E-KL | | | | | | | | | | ☆ | | ★ | | ☆ | | | | | | 10.0 | 3.18 |
| | | 5.00 | R300-1032E-PL | ★ | | | | | ☆ | | | | | ☆ | | ☆ | | ★ | ☆ | ★ | ☆ | 10.0 | 3.18 |
| | 12 | 6.00 | R300-1240E-ML | | | | | ★ | | ☆ | | | | | | | | | | | | | 12.0 | 3.97 |
| | | 6.00 | R300-1240E-PL | ☆ | | | ★ | | ☆ | | | | | ☆ | | ☆ | | ★ | ☆ | ★ | ☆ | 12.0 | 3.97 |
| | 16 | 8.00 | R300-1648E-ML | | | | | ★ | | ☆ | | | | | | | | | | | | | 16.0 | 4.76 |
| | | 8.00 | R300-1648E-PL | ☆ | | | | | ☆ | | | | | ☆ | | ☆ | | ★ | ☆ | | ☆ | 16.0 | 4.76 |
| | 20 | 10.00 | R300-2060E-ML | | | | | ★ | | ☆ | | | | | | | | | | | | | 20.0 | 6.48 |
| | | 10.00 | R300-2060E-PL | ☆ | | | | | ☆ | | | | | ☆ | | ☆ | | | ★ | | ☆ | 20.0 | 6.48 |
| Medio | 05 | 2.50 | R300-0517E-PM | ★ | | | ☆ | | ☆ | | | | | ☆ | | ☆ | | | | | ☆ | 5.0 | 1.70 |
| | 07 20 | 3.50 | R300-0720E-MM | | | | | | | ★ | | | | | | | | | | | | | 7.0 | 1.99 |
| | 07 20 | 3.50 | R300-0720E-PM | ★ | | | ☆ | | | | | | | ☆ | | ☆ | | | | | ☆ | 7.0 | 1.99 |
| | 07 24 | 3.50 | R300-0724E-MM | | | | | | | ★ | | | | | | | | | | | | | 7.0 | 2.38 |
| | 07 24 | 3.50 | R300-0724E-PM | ★ | | | ☆ | | | | | | | ☆ | | ☆ | | | | | ☆ | 7.0 | 2.38 |
| | 08 | 4.00 | R300-0828E-KM | | | | | | | | ★ | | | | | | | | | | | | 8.0 | 2.78 |
| | | 4.00 | R300-0828E-MM | | | | | ★ | | ☆ | | | | | | | | | | | | | 8.0 | 2.78 |
| | | 4.00 | R300-0828E-PM | ☆ | | | ★ | | ☆ | | | | | ☆ | | ☆ | | ★ | ☆ | ★ | ☆ | 8.0 | 2.78 |
| | | 4.00 | R300-0828M-MM | | | | | ★ | | ☆ | | | | | | | | | | | | | 8.0 | 2.78 |
| | | 4.00 | R300-0828M-PM | ☆ | | | ★ | | ☆ | | | | | ☆ | | ☆ | | ★ | ☆ | | ☆ | 8.0 | 2.78 |
| | 10 | 5.00 | R300-1032E-MM | | | | | ★ | | ☆ | | | | | | | | | | | | | 10.0 | 3.18 |
| | | 5.00 | R300-1032E-PM | ☆ | | | ★ | | ☆ | | | | | ☆ | | ☆ | | ★ | ☆ | ★ | ☆ | 10.0 | 3.18 |
| | | 5.00 | R300-1032M-MM | | | | | ★ | | ☆ | | | | | | | | | | | | | 10.0 | 3.18 |
| | | 5.00 | R300-1032M-PM | ☆ | | ★ | ☆ | | ☆ | | | | | ☆ | | ☆ | | ★ | ☆ | | ☆ | 10.0 | 3.18 |
| | 12 | 6.00 | R300-1240E-KM | | | | | | | | ☆ | | ★ | | | | | | | | | | 12.0 | 3.97 |
| | | 6.00 | R300-1240E-MM | | | | | ★ | | ☆ | | | | | | | | | | | | | 12.0 | 3.97 |
| | | 6.00 | R300-1240E-PM | ☆ | | | ★ | | ☆ | | | | | ☆ | | ☆ | | ★ | ☆ | ★ | ☆ | 12.0 | 3.97 |
| | | 6.00 | R300-1240M-MM | | | | | ★ | | ☆ | | | | | | | | | | | | | 12.0 | 3.97 |
| | | 6.00 | R300-1240M-PM | ☆ | ☆ | ★ | ☆ | | ☆ | | | | | ☆ | | ☆ | | ★ | ☆ | | ☆ | 12.0 | 3.97 |
| | 16 | 8.00 | R300-1648E-MM | | | | | ★ | | ☆ | | | | | | | | | | | | | 16.0 | 4.76 |
| | | 8.00 | R300-1648E-PM | ☆ | | | ★ | | ☆ | | | | | ☆ | | ☆ | | ★ | ☆ | ★ | ☆ | 16.0 | 4.76 |
| | | 8.00 | R300-1648M-MM | | | | | ★ | | ☆ | | | | | | | | | | | | | 16.0 | 4.76 |
| | | 8.00 | R300-1648M-PM | ☆ | | ★ | ☆ | | ☆ | | | | | ☆ | | ☆ | | ★ | ☆ | | ☆ | 16.0 | 4.76 |
| | 20 | 10.00 | R300-2060E-MM | | | | | | | ☆ | | | | | | | | | | | | | 20.0 | 6.48 |
| | | 10.00 | R300-2060E-PM | ☆ | | | | | ☆ | | | | | ☆ | | ☆ | | | ★ | ★ | ☆ | 20.0 | 6.48 |
| | | 10.00 | R300-2060M-MM | | | | | ★ | | ☆ | | | | | | | | | | | | | 20.0 | 6.48 |
| | | 10.00 | R300-2060M-PM | ☆ | | ★ | ☆ | | ☆ | | | | | ☆ | | ☆ | | | ★ | | ☆ | 20.0 | 6.48 |
| Pesado | 08 | 4.00 | R300-0828M-KH | | | | | | | | | ☆ | ★ | | | | | | | | | | 8.0 | 2.78 |
| | | 4.00 | R300-0828M-MH | | | | | | | ★ | | | | | | | | | | | | | 8.0 | 2.78 |
| | | 4.00 | R300-0828M-PH | ☆ | | ★ | ☆ | | ☆ | | | | | ☆ | | ☆ | | | | | ☆ | 8.0 | 2.78 |
| | 10 | 5.00 | R300-1032M-KH | | | | | | | | | | ★ | | | | | | | | | | 10.0 | 3.18 |
| | | 5.00 | R300-1032M-MH | | | | | | | ★ | | | | | | | | | | | | | 10.0 | 3.18 |
| | | 5.00 | R300-1032M-PH | ☆ | ☆ | ★ | ☆ | | ☆ | | | | | ☆ | | ☆ | | | | | ☆ | 10.0 | 3.18 |
| | 12 | 6.00 | R300-1240M-KH | | | | | | | | ☆ | ☆ | ★ | | | | | | | | | | 12.0 | 3.97 |
| | | 6.00 | R300-1240M-MH | | | | | | | ★ | | | | | | | | | | | | | 12.0 | 3.97 |
| | | 6.00 | R300-1240M-PH | ☆ | ☆ | ★ | ☆ | | ☆ | | | | | ☆ | | ☆ | | | ★ | ★ | ☆ | 12.0 | 3.97 |
| | 16 | 8.00 | R300-1648M-KH | | | | | | | | ☆ | ☆ | ★ | | | | | | | | | | 16.0 | 4.76 |
| | | 8.00 | R300-1648M-MH | | | | | | | ★ | | | | | | | | | | | | | 16.0 | 4.76 |
| | | 8.00 | R300-1648M-PH | ☆ | ☆ | ★ | ☆ | | ☆ | | | | | ☆ | | ☆ | | | ★ | ★ | ☆ | 16.0 | 4.76 |
| | 20 | 10.00 | R300-2060M-KH | | | | | | | | | ☆ | ★ | | | | | | | | | | 20.0 | 6.48 |
| | | 10.00 | R300-2060M-MH | | | | | | | ★ | | | | | | | | | | | | | 20.0 | 6.48 |
| | | 10.00 | R300-2060M-PH | ☆ | ☆ | ★ | ☆ | | ☆ | | | | | ☆ | | ☆ | | | | | ★ | ☆ | 20.0 | 6.48 |

I92 I154 I175 N23 N10

# CoroMill® 200

## Fresa de planear y perfilar robusta

### Aplicación

- Fresado de ranuras
- Planeado
- Mecanizado en rampa
- Perfilado
- Fresado de cavidades

### Área de aplicación ISO:

P M K N S H



### Ventajas y características

- Seguridad del proceso y fiabilidad
- Alto régimen de arranque de la viruta
- Disponibilidad de protección de la placa de apoyo

www.sandvik.coromant.com/coromill200

### Acoplamientos

- En eje
- Mango cilíndrico

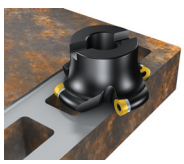
### Plaquitas

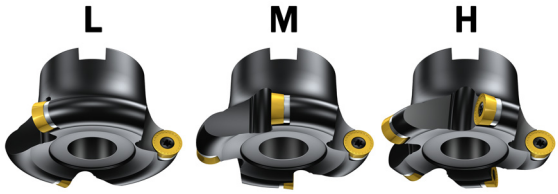
- 8 filos
- Geometrías y calidades de plaquita para todo tipo de materiales
- Geometrías de plaquita para grandes velocidades de arranque de viruta – AP y $f_z$




### Fiabilidad y seguridad del proceso

Los filos de corte reforzados de esta fresa le permiten resistir condiciones exigentes con interrupciones (agujeros, huecos, etc.) y/o corteza abrasiva (costra).






Paso amplio | Paso estrecho | Paso extra estrecho

I101 I103

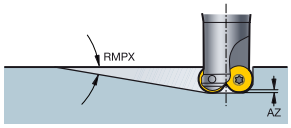


SANDVIK Coromant

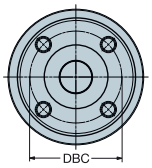
# Fresa de planear CoroMill® 200

**En eje**

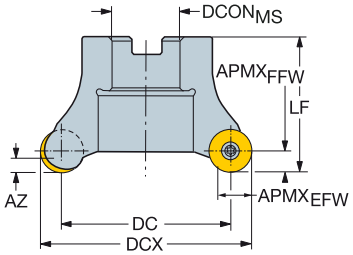





STDNO




ISO6462




| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ISO | DBC | DCX | BD | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38.0 | 12 | 22 | 9.0 | 6.00 | 6° | 3.7 | | 3 | R200-038Q22-12L | 22.0 | A | | 50.0 | 50.0 | 50.0 | 3.0 | 0.65 | 18800 | 3 | RCKT 12 04 M0 |
| | 12 | 22 | 9.0 | 6.00 | 6° | 3.7 | | 4 | R200-038Q22-12M | 22.0 | A | | 50.0 | 50.0 | 50.0 | 3.0 | 0.66 | 18800 | 4 | RCKT 12 04 M0 |
| | 12 | 22 | 9.0 | 6.00 | 6° | 3.7 | 5 | | R200-038Q22-12H | 22.0 | A | | 50.0 | 50.0 | 50.0 | 3.0 | 0.78 | 18800 | 5 | RCKT 12 04 M0 |
| 40.0 | 12 | 22 | 9.0 | 6.00 | 6° | 3.7 | | 3 | R200-040Q22-12L | 22.0 | A | | 52.0 | 52.0 | 50.0 | 3.0 | 0.70 | 18000 | 3 | RCKT 12 04 M0 |
| | 12 | 22 | 9.0 | 6.00 | 6° | 3.7 | | 4 | R200-040Q22-12M | 22.0 | A | | 52.0 | 52.0 | 50.0 | 3.0 | 0.68 | 18000 | 4 | RCKT 12 04 M0 |
| | 12 | 22 | 9.0 | 6.00 | 6° | 3.7 | 5 | | R200-040Q22-12H | 22.0 | A | | 52.0 | 52.0 | 50.0 | 3.0 | 0.66 | 18000 | 5 | RCKT 12 04 M0 |
| 47.0 | 16 | 22 | 12.0 | 8.00 | 7° | 4.9 | | 4 | R200-047Q22-16M | 22.0 | A | | 63.0 | 63.0 | 50.0 | 5.0 | 0.80 | 15300 | 4 | RCKT 16 06 M0 |
| 50.0 | 16 | 27 | 12.0 | 8.00 | 6° | 4.9 | | 4 | R200-050Q27-16M | 27.0 | A | | 66.0 | 66.0 | 50.0 | 5.0 | 0.86 | 14500 | 4 | RCKT 16 06 M0 |
| | 16 | 27 | 12.0 | 8.00 | 6° | 4.9 | 5 | | R200-050Q27-16H | 27.0 | A | | 66.0 | 66.0 | 50.0 | 5.0 | 0.75 | 14500 | 5 | RCKT 16 06 M0 |
| 51.0 | 12 | 22 | 9.0 | 6.00 | 4° | 3.7 | | 3 | R200-051Q22-12L | 22.0 | A | | 63.0 | 63.0 | 50.0 | 3.0 | 0.81 | 16200 | 3 | RCKT 12 04 M0 |
| | 12 | 22 | 9.0 | 6.00 | 4° | 3.7 | | 4 | R200-051Q22-12M | 22.0 | A | | 63.0 | 63.0 | 50.0 | 3.0 | 0.74 | 16200 | 4 | RCKT 12 04 M0 |
| | 12 | 22 | 9.0 | 6.00 | 4° | 3.7 | 5 | | R200-051Q22-12H | 22.0 | A | | 63.0 | 63.0 | 50.0 | 3.0 | 0.82 | 16200 | 5 | RCKT 12 04 M0 |
| 60.0 | 20 | 27 | 15.0 | 10.00 | 7° | 6.1 | | 3 | R200-060Q27-20L | 27.0 | A | | 80.0 | 80.0 | 50.0 | 7.5 | 1.00 | 10600 | 3 | RCKT 20 06 M0 |
| | 20 | 27 | 15.0 | 10.00 | 7° | 6.1 | 4 | | R200-060Q27-20M | 27.0 | A | | 80.0 | 80.0 | 50.0 | 7.5 | 0.89 | 10600 | 4 | RCKT 20 06 M0 |
| 64.0 | 16 | 27 | 12.0 | 8.00 | 5° | 4.9 | | 4 | R200-064Q27-16L | 27.0 | A | | 80.0 | 80.0 | 50.0 | 5.0 | 1.16 | 13100 | 4 | RCKT 16 06 M0 |
| | 16 | 27 | 12.0 | 8.00 | 5° | 4.9 | 5 | | R200-064Q27-16M | 27.0 | A | | 80.0 | 80.0 | 50.0 | 5.0 | 1.02 | 13100 | 5 | RCKT 16 06 M0 |
| | 16 | 27 | 12.0 | 8.00 | 5° | 4.9 | 6 | | R200-064Q27-16H | 27.0 | A | | 80.0 | 80.0 | 50.0 | 5.0 | 0.96 | 13100 | 6 | RCKT 16 06 M0 |
| 68.0 | 12 | 27 | 9.0 | 6.00 | 3° | 3.7 | | 4 | R200-068Q27-12L | 27.0 | A | | 80.0 | 80.0 | 50.0 | 3.0 | 1.05 | 14000 | 4 | RCKT 12 04 M0 |
| | 12 | 27 | 9.0 | 6.00 | 3° | 3.7 | | 6 | R200-068Q27-12M | 27.0 | A | | 80.0 | 80.0 | 50.0 | 3.0 | 0.92 | 14000 | 6 | RCKT 12 04 M0 |
| 80.0 | 20 | 32 | 15.0 | 10.00 | 5° | 6.1 | | 4 | R200-080Q32-20L | 32.0 | B | | 100.0 | 100.0 | 63.0 | 7.5 | 1.73 | 9200 | 4 | RCKT 20 06 M0 |
| | 20 | 32 | 15.0 | 10.00 | 5° | 6.1 | 6 | | R200-080Q32-20M | 32.0 | B | | 100.0 | 100.0 | 63.0 | 7.5 | 1.54 | 9200 | 6 | RCKT 20 06 M0 |
| 84.0 | 16 | 32 | 12.0 | 8.00 | 3° | 4.9 | | 6 | R200-084Q32-16M | 32.0 | B | | 100.0 | 100.0 | 50.0 | 5.0 | 1.62 | 11400 | 6 | RCKT 16 06 M0 |
| 88.0 | 12 | 32 | 9.0 | 6.00 | 2° | 3.7 | | 4 | R200-088Q32-12L | 32.0 | B | | 100.0 | 100.0 | 50.0 | 3.0 | 1.66 | 12300 | 4 | RCKT 12 04 M0 |
| | 12 | 32 | 9.0 | 6.00 | 2° | 3.7 | | 6 | R200-088Q32-12M | 32.0 | B | | 100.0 | 100.0 | 50.0 | 3.0 | 1.50 | 12300 | 6 | RCKT 12 04 M0 |
| 105.0 | 20 | 32 | 15.0 | 10.00 | 3° | 6.1 | | 5 | R200-105Q32-20L | 32.0 | B | | 125.0 | 125.0 | 63.0 | 7.5 | 2.44 | 8000 | 5 | RCKT 20 06 M0 |
| | 20 | 32 | 15.0 | 10.00 | 3° | 6.1 | 6 | | R200-105Q32-20M | 32.0 | B | | 125.0 | 125.0 | 63.0 | 7.5 | 2.28 | 8000 | 6 | RCKT 20 06 M0 |
| 109.0 | 16 | 32 | 12.0 | 8.00 | 2° | 4.9 | | 5 | R200-109Q32-16L | 32.0 | B | | 125.0 | 125.0 | 50.0 | 5.0 | 2.26 | 10000 | 5 | RCKT 16 06 M0 |
| | 16 | 32 | 12.0 | 8.00 | 2° | 4.9 | | 6 | R200-109Q32-16M | 32.0 | B | | 125.0 | 125.0 | 50.0 | 5.0 | 2.33 | 10000 | 6 | RCKT 16 06 M0 |
| 140.0 | 20 | 40S | 15.0 | 10.00 | 2° | 6.1 | | 6 | R200-140Q40-20L | 40.0 | C | 66.7 | 160.0 | 160.0 | 63.0 | 7.5 | 3.72 | 6900 | 6 | RCKT 20 06 M0 |
| | 20 | 40S | 15.0 | 10.00 | 2° | 6.1 | 8 | | R200-140Q40-20M | 40.0 | C | 66.7 | 160.0 | 160.0 | 63.0 | 7.5 | 3.60 | 6900 | 8 | RCKT 20 06 M0 |

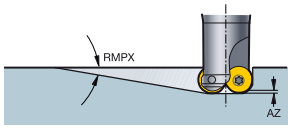
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

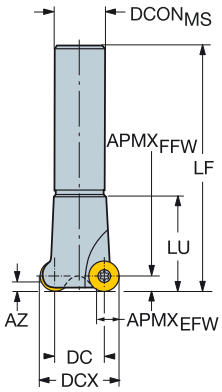
I103 L2 M1 N23 N9

# Fresa de planear CoroMill® 200

**Mango cilíndrico**






| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCX | BD | LB | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15.0 | 10 | 20 | 7.5 | 5.00 | 13° | 2.9 | 2 | | R200-015A20-10M | 20.0 | 25.0 | 25.0 | 25.0 | 150.0 | 3.0 | 0.54 | 37500 | 2 | RCKT 10 T3 M0 |
| | 10 | 20 | 7.5 | 5.00 | 13° | 2.9 | 3 | | R200-015A20-10H | 20.0 | 25.0 | 25.0 | 25.0 | 150.0 | 3.0 | 0.49 | 37500 | 3 | RCKT 10 T3 M0 |
| 20.0 | 12 | 25 | 9.0 | 6.00 | 13° | 3.7 | 2 | | R200-020A25-12M | 25.0 | 32.0 | 32.0 | 32.0 | 190.0 | 3.0 | 0.84 | 31100 | 2 | RCKT 12 04 M0 |
| | 12 | 25 | 9.0 | 6.00 | 13° | 3.7 | 3 | | R200-020A25-12H | 25.0 | 32.0 | 32.0 | 32.0 | 190.0 | 3.0 | 0.86 | 31100 | 3 | RCKT 12 04 M0 |
| 24.0 | 16 | 32 | 12.0 | 8.00 | 13° | 4.9 | 2 | | R200-024A32-16L | 32.0 | 40.0 | 40.0 | 40.0 | 240.0 | 5.0 | 1.72 | 21800 | 2 | RCKT 16 06 M0 |
| | 16 | 32 | 12.0 | 8.00 | 13° | 4.9 | 3 | | R200-024A32-16M | 32.0 | 40.0 | 40.0 | 40.0 | 240.0 | 5.0 | 1.64 | 21800 | 3 | RCKT 16 06 M0 |
| 28.0 | 12 | 32 | 9.0 | 6.00 | 9° | 3.7 | 2 | | R200-028A32-12L | 32.0 | 40.0 | 40.0 | 40.0 | 240.0 | 3.0 | 1.76 | 26300 | 2 | RCKT 12 04 M0 |
| | 12 | 32 | 9.0 | 6.00 | 9° | 3.7 | | 3 | R200-028A32-12M | 32.0 | 40.0 | 40.0 | 40.0 | 240.0 | 3.0 | 1.74 | 26300 | 3 | RCKT 12 04 M0 |
| 30.0 | 20 | 32 | 15.0 | 10.00 | 13° | 6.1 | 2 | | R200-030A32-20L | 32.0 | 50.0 | 50.0 | 50.0 | 240.0 | 7.5 | 1.88 | 20900 | 2 | RCKT 20 06 M0 |
| | 20 | 32 | 15.0 | 10.00 | 13° | 6.1 | 3 | | R200-030A32-20M | 32.0 | 50.0 | 50.0 | 50.0 | 240.0 | 7.5 | 1.79 | 20900 | 3 | RCKT 20 06 M0 |
| 34.0 | 16 | 32 | 12.0 | 8.00 | 11° | 4.9 | 3 | | R200-034A32-16M | 32.0 | 50.0 | 50.0 | 50.0 | 240.0 | 5.0 | 1.81 | 18300 | 3 | RCKT 16 06 M0 |
| 38.0 | 12 | 32 | 9.0 | 6.00 | 6° | 3.7 | 3 | | R200-038A32-12L | 32.0 | 50.0 | 50.0 | 50.0 | 240.0 | 3.0 | 1.86 | 22500 | 3 | RCKT 12 04 M0 |
| | 12 | 32 | 9.0 | 6.00 | 6° | 3.7 | | 4 | R200-038A32-12M | 32.0 | 50.0 | 50.0 | 50.0 | 240.0 | 3.0 | 1.84 | 22500 | 4 | RCKT 12 04 M0 |

| | Piezas de repuesto |
|---|---|
| | Tornillo de plaquita |
| 10 | 5513 020-09 |
| 12 | 5513 020-09 |
| 16 | 5513 020-07 |
| 20 | 5513 020-08 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

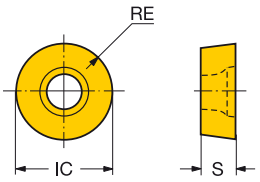
I103 L2 N23 N9



SANDVIK Coromant

# Plaquita CoroMill® 200 para fresado






| | | | RE | Código de pedido | P | | | | | M | | | | | K | | | | | N | | | | S | | | | | | H | | | Dimensiones, mm | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1130 | 4220 | 4330 | 4340 | 530 | 1040 | 1130 | 2040 | 530 | 1020 | 3040 | 3220 | 3330 | H13A | 1130 | 530 | H10F | H13A | 1130 | H10F | H13A | S30T | S40T | 1010 | 1130 | 530 | IC | S |
| Ligero | KL | 10 | 5.00 | RCHT 10 T3 M0-KL | | | | | | | | | | | | | | ☆ | | | | ★ | | | ☆ | | | | | | 10.0 | 3.97 |
| | | 12 | 6.00 | RCHT 12 04 M0-KL | | | | | | | | | | | | | | ☆ | | | | ★ | | | ☆ | | | | | | 12.0 | 4.76 |
| | | 16 | 8.00 | RCHT 16 06 M0-KL | | | | | | | | | | | | | | ☆ | | | | ★ | | | ☆ | | | | | | 16.0 | 6.35 |
| | | 20 | 10.00 | RCHT 20 06 M0-KL | | | | | | | | | | | | | | ☆ | | | | ★ | | | ☆ | | | | | | 20.0 | 6.35 |
| | ML | 10 | 5.00 | RCHT 10 T3 M0-ML | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | | | | | 10.0 | 3.97 |
| | | 12 | 6.00 | RCHT1204M0-ML | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | | | | | 12.0 | 4.76 |
| | | 16 | 8.00 | RCHT 16 06 M0-ML | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | | | | | 16.0 | 6.35 |
| | | 20 | 10.00 | RCHT 20 06 M0-ML | | | | | | | | ☆ | | | | | | | | | | | | | | | | | | | | 20.0 | 6.35 |
| | PL | 10 | 5.00 | RCHT 10 T3 M0-PL | ★ | | | | | | ☆ | | | | | | | | ☆ | | | | ☆ | | | | | ★ | ☆ | | | 10.0 | 3.97 |
| | | 12 | 6.00 | RCHT 12 04 M0-PL | ★ | | | | ☆ | | ☆ | | ☆ | | | | | | ☆ | ☆ | | | ☆ | | | | | ★ | ☆ | ☆ | | 12.0 | 4.76 |
| | | 16 | 8.00 | RCHT 16 06 M0-PL | ★ | | | | | | ☆ | | | | | | | | ☆ | | | | ☆ | | | | | | ☆ | | | 16.0 | 6.35 |
| | | 20 | 10.00 | RCHT 20 06 M0-PL | ★ | | | | | | ☆ | | | | | | | | ☆ | | | | ☆ | | | | | | ☆ | | | 20.0 | 6.35 |
| Medio | KM | 10 | 5.00 | RCKT 10 T3 M0-KM | | | | | | | | | | ☆ | ☆ | | ★ | | | | | | | | | | | | | | | 10.0 | 3.97 |
| | | 12 | 6.00 | RCKT 12 04 M0-KM | | | | | | | | | | ☆ | ☆ | ☆ | ★ | | | | | | | | | | | | | | | 12.0 | 4.76 |
| | | 16 | 8.00 | RCKT 16 06 M0-KM | | | | | | | | | | ☆ | ☆ | ☆ | ★ | | | | | | | | | | | | | | | 16.0 | 6.35 |
| | | 20 | 10.00 | RCKT 20 06 M0-KM | | | | | | | | | | ☆ | ☆ | ☆ | ★ | | | | | | | | | | | | | | | 20.0 | 6.35 |
| | MM | 10 | 5.00 | RCKT 10 T3 M0-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | | | | | 10.0 | 3.97 |
| | | 12 | 6.00 | RCKT 12 04 M0-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | | | | | 12.0 | 4.76 |
| | | 16 | 8.00 | RCKT 16 06 M0-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | | | | | 16.0 | 6.35 |
| | | 20 | 10.00 | RCKT 20 06 M0-MM | | | | | | ★ | | ☆ | | | | | | | | | | | | | | | | | | | | 20.0 | 6.35 |
| | PM | 10 | 5.00 | RCKT 10 T3 M0-PM | ☆ | ☆ | ★ | ☆ | | | ☆ | | | | | | | | ☆ | | | | ☆ | | | ★ | | | ☆ | | | 10.0 | 3.97 |
| | | 12 | 6.00 | RCKT 12 04 M0-PM | ☆ | ☆ | ★ | ☆ | | | ☆ | | | | | | | | ☆ | | | | ☆ | | | ★ | ☆ | | ☆ | | | 12.0 | 4.76 |
| | | 16 | 8.00 | RCKT 16 06 M0-PM | ☆ | ☆ | ★ | ☆ | | | ☆ | | | | | | | | ☆ | | | | ☆ | | | ★ | ☆ | | ☆ | | | 16.0 | 6.35 |
| | | 20 | 10.00 | RCKT 20 06 M0-PM | ☆ | ☆ | ★ | ☆ | | | ☆ | | | | | | | | ☆ | | | | ☆ | | | ★ | ☆ | | ☆ | | | 20.0 | 6.35 |
| | WM | 10 | 5.00 | RCKT 10 T3 M0-WM | | | | | ☆ | | | | ☆ | | | | | | | ☆ | ☆ | | ★ | | | | | | | ☆ | | 10.0 | 3.97 |
| | | 12 | 6.00 | RCKT 12 04 M0-WM | | | | | ☆ | | | | ☆ | | | | | | | ☆ | ☆ | | ★ | | | | | | | ☆ | | 12.0 | 4.76 |
| | | 16 | 8.00 | RCKT 16 06 M0-WM | | | | | | | | | | | | | | | | ☆ | | | ★ | | | | | | | | | 16.0 | 6.35 |
| | | 20 | 10.00 | RCKT 20 06 M0-WM | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20.0 | 6.35 |
| Pesado | KH | 10 | 5.00 | RCKT 10 T3 M0-KH | | | | | | | | | | | ☆ | | ★ | | | | | | | | | | | | | | | 10.0 | 3.97 |
| | | 12 | 6.00 | RCKT 12 04 M0-KH | | | | | | | | | | ☆ | ☆ | ☆ | ★ | | | | | | | | | | | | | | | 12.0 | 4.76 |
| | | 16 | 8.00 | RCKT 16 06 M0-KH | | | | | | | | | | ☆ | ☆ | ☆ | ★ | | | | | | | | | | | | | | | 16.0 | 6.35 |
| | | 20 | 10.00 | RCKT 20 06 M0-KH | | | | | | | | | | ☆ | ☆ | ☆ | ★ | | | | | | | | | | | | | | | 20.0 | 6.35 |
| | PH | 10 | 5.00 | RCKT 10 T3 M0-PH | ☆ | | ★ | ☆ | | | ☆ | | | | | | | | ☆ | | | | ☆ | | | | | | ☆ | | | 10.0 | 3.97 |
| | | 12 | 6.00 | RCKT 12 04 M0-PH | ☆ | ☆ | ★ | ☆ | | | ☆ | | | | | | | | ☆ | | | | ☆ | | | | | | ☆ | | | 12.0 | 4.76 |
| | | 16 | 8.00 | RCKT 16 06 M0-PH | ☆ | ☆ | ★ | ☆ | | | ☆ | | | | | | | | ☆ | | | | ☆ | | | | | | ☆ | | | 16.0 | 6.35 |
| | | 20 | 10.00 | RCKT 20 06 M0-PH | ☆ | ☆ | ★ | ☆ | | | ☆ | | | | | | | | ☆ | | | | ☆ | | | | | | ☆ | | | 20.0 | 6.35 |

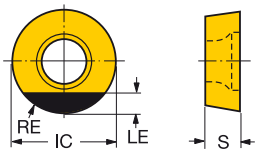
I101 I154 I175 N23 N10

# Plaquita CoroMill® 200 para fresado

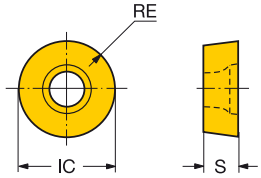
**Materiales de corte avanzados**



RCHT




RCKT




| | | | RE | Código de pedido | K 6190 | K CB50 | H 6190 | H CB50 | Dimensiones, mm IC | LE | S |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ligero | PO | 12 | 6.00 | RCHT 12 04 M0 | | ☆ | | ☆ | 12.0 | 3.0 | 4.76 |
| Medio | SK15 | 12 | 6.00 | RCKT 12 04 MO | ☆ | | ☆ | | 12.0 | | 4.76 |
| | | 16 | 8.00 | RCKT 16 06 MO | ☆ | | ☆ | | 16.0 | | 6.35 |

I101 I154 I175 N23 N10



SANDVIK Coromant

# CoroMill® 216

## Eliminación eficiente del metal en operaciones de perfilado en desbaste y semiacabado

### Aplicación

- Perfilado
- Fresado de copia
- Fresado de contornos
- Desbaste y semiacabado

### Área de aplicación ISO:

P M K N S H



### Ventajas y características

- Máxima seguridad y fiabilidad.
- Gran volumen de viruta.
- Fácil de aplicar.

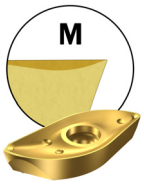
www.sandvik.coromant.com/coromill216

### Acoplamientos

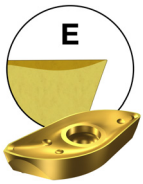
- Coromant Capto®
- Mango cilíndrico
- Weldon
- Coromant EH
- Acoplamiento roscado

### Plaquitas

- Dos filos de corte
- Geometrías y calidades de plaquita para todo tipo de materiales




plaquitas diseñadas para obtener un alto grado de seguridad




plaquitas con filos agudos y elevada precisión

### Ubicación de la plaquita

Las mismas plaquitas para posicionamiento central y periférico.

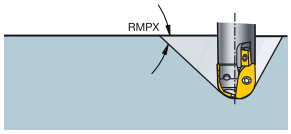


I106 I111

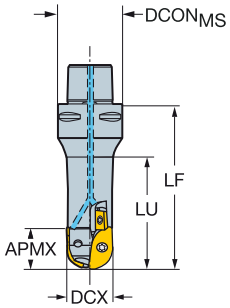
# Fresa de punta esférica CoroMill® 216 para fresado

**Coromant Capto® - Suministro de refrigerante interior**






KAPR 90°




| DC | APMXFFW | APMXEFW | | | CZCMS | RMPX | AZ | CNSC | | Código de pedido | Dimensiones, mm DCONMS | DCX | BD1 | LF | LU | NM | KG | RPMX | CICTBALL | MIIDBALL | CICTSP | MIIDSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30.0 | 28.3 | 15.0 | 30 | | C3 | 85° | 15.0 | 3 | 2 | **R216-30C3-070** | 32.0 | 30.0 | 26.8 | 70.0 | 50.6 | 5.0 | 0.39 | 18500 | 2 | R216-30 06 | | |
| 32.0 | 28.6 | 16.0 | 32 | | C3 | 85° | 16.0 | 3 | 2 | **R216-32C3-070** | 32.0 | 32.0 | 29.0 | 70.0 | | 5.0 | 0.42 | 18500 | 2 | R216-32 06 | | |
| 40.0 | 31.6 | 20.0 | 40 | | C4 | 85° | 20.0 | 3 | 2 | **R216-40C4-080** | 40.0 | 40.0 | 37.0 | 80.0 | | 7.5 | 0.87 | 8000 | 2 | R216-40 07 | | |
| 50.0 | 44.6 | 25.0 | 50 | 16 | C5 | 85° | 25.0 | 3 | 2 | **R216-50C5-125** | 50.0 | 50.0 | 46.4 | 125.0 | | 10.0 | 1.65 | 7000 | 2 | R216-50 07 | 2 | APMT 160408-M |

| | Piezas de repuesto | | |
|---|---|---|---|
| | Tornillo de plaquita | Placa de apoyo | Tornillo de plaquita de protección |
| 30 | 5513 020-07 | | |
| 32 | 5513 020-07 | | |
| 40 | 5513 020-31 | | |
| 50 | 5513 021-03 | 5322 475-01 | 5513 020-09 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es


I111


L2



N23



N9



N15



SANDVIK Coromant

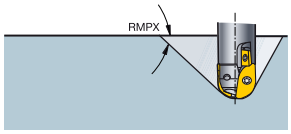
SPA

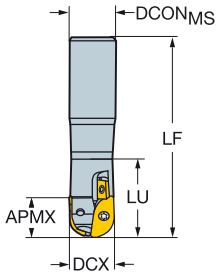
# Fresa de punta esférica CoroMill® 216 para fresado

**Mango cilíndrico - Suministro de refrigerante interior**

KAPR 90°






| DC | APMXFFW | APMXEFW | | | CZCMS | RMPX | AZ | CNSC | | Código de pedido | Dimensiones, mm DCONMS | DCX | BD1 | LF | LU | NM | KG | RPMX | CICTBALL | MIIDBALL | CICTSP | MIIDSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.0 | 8.6 | 5.0 | 10 | | 16 | 85° | 5.0 | 0 | 2 | **R216-10A16-050** | 16.0 | 10.0 | 9.2 | 160.0 | 22.1 | 0.6 | 0.31 | 15900 | 2 | R216-10 02 | | |
| 12.0 | 10.8 | 6.0 | 12 | | 20 | 85° | 6.0 | 0 | 2 | **R216-12A20-045** | 20.0 | 12.0 | 10.8 | 200.0 | 22.0 | 1.2 | 0.54 | 21000 | 2 | R216-12 02 | | |
| 16.0 | 14.4 | 8.0 | 16 | | 20 | 85° | 8.0 | 1 | 2 | **R216-16A20-045** | 20.0 | 16.0 | 14.7 | 200.0 | 29.6 | 1.2 | 0.54 | 20000 | 2 | R216-16 03 | | |
| 20.0 | 17.9 | 10.0 | 20 | | 25 | 85° | 10.0 | 1 | 2 | **R216-20A25-055** | 25.0 | 20.0 | 18.4 | 200.0 | 36.5 | 2.0 | 0.68 | 24000 | 2 | R216-20 T3 | | |
| 25.0 | 22.3 | 12.5 | 25 | | 32 | 85° | 12.5 | 1 | 2 | **R216-25A32-065** | 32.0 | 25.0 | 23.2 | 250.0 | 43.4 | 3.0 | 1.69 | 24000 | 2 | R216-25 04 | | |
| 30.0 | 26.9 | 15.0 | 30 | 16 | 32 | 85° | 15.0 | 1 | 2 | **R216-30A32-070** | 32.0 | 30.0 | 26.8 | 250.0 | 60.4 | 5.0 | 1.74 | 19500 | 2 | R216-30 06 | 1 | APMT 160408-M |
| 32.0 | 28.6 | 16.0 | 32 | | 32 | 85° | 16.0 | 1 | 2 | **R216-32A32-070** | 32.0 | 32.0 | 29.0 | 250.0 | 70.0 | 5.0 | 1.56 | 18500 | 2 | R216-32 06 | | |

| | | Piezas de repuesto | |
|---|---|---|---|
| | | Tornillo de plaquita | Tornillo de plaquita de protección |
| 10 | | 5513 020-40 | |
| 12 | | 5513 020-36 | |
| 16 | | 5513 020-36 | |
| 20 | | 5513 020-16 | |
| 25 | | 5513 020-52 | |
| 30 | 16 | 5513 020-07 | 5513 020-09 |
| 32 | | 5513 020-07 | |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

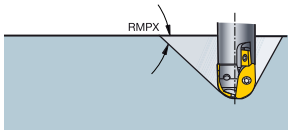
I111 L2 N23 N9 N15

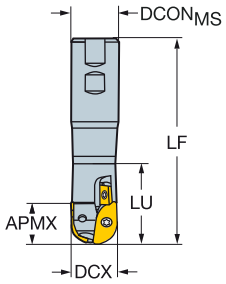
# Fresa de punta esférica CoroMill® 216 para fresado

**Weldon - Suministro de refrigerante interior**

KAPR 90°






| | | | | | | | | | | Dimensiones, mm | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DC | APMXFFW | APMXEFW | | | CZCMS | RMPX | AZ | CNSC | | Código de pedido | DCONMS | ISO | DCX | BD1 | LF | LU | NM | KG | RPMX | CICTBALL | MIIDBALL | CICTSP | MIIDSP |
| 12.0 | 10.8 | 6.0 | 12 | | 20 | 85° | 6.0 | 0 | 2 | R216-12B20-060 | 20.0 | WE | 12.0 | 10.8 | 111.0 | 24.0 | 1.2 | 0.30 | 21000 | 2 | R216-12 02 | | |
| | 10.8 | 6.0 | 12 | | 20 | 85° | 6.0 | 0 | 2 | R216-12B20-040 | 20.0 | WE | 12.0 | 10.8 | 91.0 | 21.2 | 1.2 | 0.27 | 21000 | 2 | R216-12 02 | | |
| 16.0 | 14.4 | 8.0 | 16 | | 20 | 85° | 8.0 | 1 | 2 | R216-16B20-040 | 20.0 | WE | 16.0 | 14.7 | 91.0 | 28.2 | 1.2 | 0.28 | 20000 | 2 | R216-16 03 | | |
| | 14.4 | 8.0 | 16 | | 20 | 85° | 8.0 | 1 | 2 | R216-16B20-060 | 20.0 | WE | 16.0 | 14.7 | 111.0 | 33.8 | 1.2 | 0.31 | 20000 | 2 | R216-16 03 | | |
| 20.0 | 17.9 | 10.0 | 20 | | 25 | 85° | 10.0 | 1 | 2 | R216-20B25-050 | 25.0 | WE | 20.0 | 18.4 | 107.0 | 35.2 | 2.0 | 0.42 | 24000 | 2 | R216-20 T3 | | |
| | 17.9 | 10.0 | 20 | | 25 | 85° | 10.0 | 1 | 2 | R216-20B25-070 | 25.0 | WE | 20.0 | 18.4 | 127.0 | 40.6 | 2.0 | 0.47 | 24000 | 2 | R216-20 T3 | | |
| 25.0 | 22.3 | 12.5 | 25 | | 25 | 85° | 12.5 | 1 | 2 | R216-25B25-060 | 25.0 | WE | 25.0 | 23.2 | 117.0 | 60.0 | 3.0 | 0.49 | 24000 | 2 | R216-25 04 | | |
| | 22.3 | 12.5 | 25 | | 25 | 85° | 12.5 | 1 | 2 | R216-25B25-080 | 25.0 | WE | 25.0 | 23.2 | 137.0 | 80.0 | 3.0 | 0.55 | 24000 | 2 | R216-25 04 | | |
| 30.0 | 26.9 | 15.0 | 30 | 16 | 32 | 85° | 15.0 | 1 | 2 | R216-30B32-070 | 32.0 | WE | 30.0 | 26.8 | 131.0 | 60.4 | 5.0 | 0.78 | 19500 | 2 | R216-30 06 | 1 | APMT 160408-M |
| | 26.9 | 15.0 | 30 | 16 | 32 | 85° | 15.0 | 1 | 2 | R216-30B32-100 | 32.0 | WE | 30.0 | 26.8 | 161.0 | 90.4 | 5.0 | 0.86 | 19500 | 2 | R216-30 06 | 1 | APMT 160408-M |
| 32.0 | 28.6 | 16.0 | 32 | | 32 | 85° | 16.0 | 1 | 2 | R216-32B32-100 | 32.0 | WE | 32.0 | 29.0 | 161.0 | 100.0 | 5.0 | 0.87 | 18500 | 2 | R216-32 06 | | |
| | 28.6 | 16.0 | 32 | | 32 | 85° | 16.0 | 1 | 2 | R216-32B32-070 | 32.0 | WE | 32.0 | 29.0 | 131.0 | 70.0 | 5.0 | 0.77 | 18500 | 2 | R216-32 06 | | |
| 40.0 | 36.5 | 20.0 | 40 | 16 | 40 | 85° | 20.0 | 1 | 2 | R216-40B40-100 | 40.0 | WE | 40.0 | 37.0 | 171.0 | 100.0 | 7.5 | 1.37 | 8000 | 2 | R216-40 07 | 2 | APMT 160408-M |
| | 36.5 | 20.0 | 40 | 16 | 40 | 85° | 20.0 | 1 | 2 | R216-40B40-150 | 40.0 | WE | 40.0 | 37.0 | 221.0 | 150.0 | 7.5 | 1.94 | 8000 | 2 | R216-40 07 | 2 | APMT 160408-M |
| 50.0 | 44.6 | 25.0 | 50 | | 40 | 85° | 25.0 | 1 | 2 | R216-50B40-100 | 40.0 | WE | 50.0 | 47.0 | 171.0 | | 10.0 | 1.88 | 7000 | 2 | R216-50 07 | | |
| | 44.6 | 25.0 | 50 | 16 | 50 | 85° | 25.0 | 1 | 2 | R216-50B50-125 | 50.0 | WE | 50.0 | 46.4 | 206.0 | 125.0 | 10.0 | 2.80 | 7000 | 2 | R216-50 07 | 2 | APMT 160408-M |
| | 44.6 | 25.0 | 50 | 16 | 50 | 85° | 25.0 | 1 | 2 | R216-50B50-175 | 50.0 | WE | 50.0 | 46.4 | 256.0 | 175.0 | 10.0 | 3.43 | 7000 | 2 | R216-50 07 | 2 | APMT 160408-M |

| | | Piezas de repuesto | | | |
|---|---|---|---|---|---|
| | | Tornillo de plaquita | Placa de apoyo | Tornillo de la placa de apoyo | Tornillo de plaquita de protección |
| 12 | | 5513 020-36 | | | |
| 16 | | 5513 020-36 | | | |
| 20 | | 5513 020-16 | | | |
| 25 | | 5513 020-52 | | | |
| 32 | | 5513 020-07 | | | |
| 30 | 16 | 5513 020-07 | | | 5513 020-09 |
| 40 | 16 | 5513 020-31 | | | 5513 020-09 |
| 50 | 16 | 5513 021-03 | 5322 475-01 | 5513 020-09 | |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

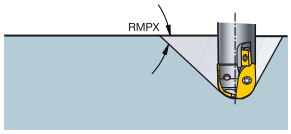
I111 L2 N23 N9 N15

SPA

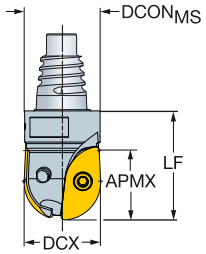
# Fresa de punta esférica CoroMill® 216 para fresado

**Coromant EH - Suministro de refrigerante interior**






KAPR 90°




| DC | | CZC$_{MS}$ | APMX$_{FFW}$ | RMPX | CNSC | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | LF | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.0 | 10 | E10 | 8.60 | 85° | 0 | 2 | **R216-10EH10** | 9.7 | 20.0 | 0.6 | 0.09 | 12700 | 2 | R216-10 02 |
| 12.0 | 12 | E12 | 10.80 | 85° | 0 | 2 | **R216-12EH12** | 11.7 | 20.0 | 1.2 | 0.09 | 12700 | 2 | R216-12 02 |
| 16.0 | 16 | E16 | 14.40 | 85° | 1 | 2 | **R216-16EH16** | 15.5 | 25.0 | 1.2 | 0.11 | 12700 | 2 | R216-16 03 |
| 20.0 | 20 | E20 | 17.90 | 85° | 1 | 2 | **R216-20EH20** | 19.3 | 30.0 | 2.0 | 0.13 | 12700 | 2 | R216-20 T3 |
| 25.0 | 25 | E25 | 22.30 | 85° | 1 | 2 | **R216-25EH25** | 24.2 | 35.0 | 3.0 | 0.17 | 12700 | 2 | R216-25 04 |
| 30.0 | 30 | E25 | 26.90 | 85° | 1 | 2 | **R216-30EH25** | 24.2 | 50.0 | 5.0 | 0.20 | 12700 | 2 | R216-30 06 |
| 32.0 | 32 | E25 | 28.60 | 85° | 1 | 2 | **R216-32EH25** | 24.2 | 50.0 | 5.0 | 0.24 | 12700 | 2 | R216-32 06 |

| | Piezas de repuesto |
|---|---|
| | Tornillo de plaquita |
| 10 | 5513 020-40 |
| 12 | 5513 020-36 |
| 16 | 5513 020-36 |
| 20 | 5513 020-16 |
| 25 | 5513 020-52 |
| 30 | 5513 020-07 |
| 32 | 5513 020-07 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es


I111


L2



N23



N9



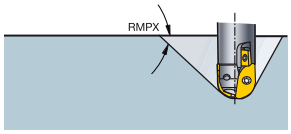
N15


N3

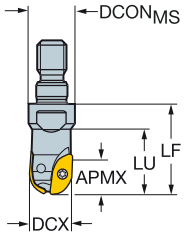
# Fresa de punta esférica CoroMill® 216 para fresado

**Acoplamiento roscado - Suministro de refrigerante interior**






KAPR 90°




| DC | | CZC$_{MS}$ | APMX$_{EFW}$ | APMX$_{FFW}$ | RMPX | AZ | CNSC | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | BD$_1$ | LF | LU | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.0 | 10 | M8 | 5.0 | 8.60 | 85° | 5.0 | 0 | 2 | **R216-10T08** | 12.8 | 9.2 | 25.0 | 17.8 | 0.6 | 0.05 | 12700 | 2 | R216-10 02 |
| 12.0 | 12 | M8 | 6.0 | 10.80 | 85° | 6.0 | 0 | 2 | **R216-12T08** | 12.8 | 10.8 | 25.0 | 18.3 | 1.2 | 0.09 | 12700 | 2 | R216-12 02 |
| 16.0 | 16 | M8 | 8.0 | 14.40 | 85° | 8.0 | 0 | 2 | **R216-16T08** | 12.8 | 14.7 | 25.0 | | 1.2 | 0.11 | 12700 | 2 | R216-16 03 |
| 20.0 | 20 | M10 | 10.0 | 17.90 | 85° | 10.0 | 1 | 2 | **R216-20T10** | 17.8 | 18.4 | 30.0 | | 2.0 | 0.14 | 12700 | 2 | R216-20 T3 |
| 25.0 | 25 | M12 | 12.5 | 22.30 | 85° | 12.5 | 1 | 2 | **R216-25T12** | 20.8 | 23.2 | 35.0 | | 3.0 | 0.17 | 12700 | 2 | R216-25 04 |
| 30.0 | 30 | M16 | 15.0 | 26.90 | 85° | 15.0 | 1 | 2 | **R216-30T16** | 28.8 | 26.8 | 45.0 | | 5.0 | 0.25 | 12700 | 2 | R216-30 06 |
| 32.0 | 32 | M16 | 16.0 | 28.60 | 85° | 16.0 | 1 | 2 | **R216-32T16** | 28.8 | 29.0 | 45.0 | | 5.0 | 0.26 | 12700 | 2 | R216-32 06 |

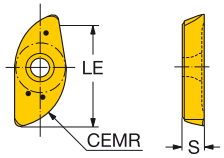
| | Piezas de repuesto |
|---|---|
| | Tornillo de plaquita |
| 10 | 5513 020-40 |
| 12 | 5513 020-36 |
| 16 | 5513 020-36 |
| 20 | 5513 020-16 |
| 25 | 5513 020-52 |
| 30 | 5513 020-07 |
| 32 | 5513 020-07 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I111 N23 N9 N15 N3

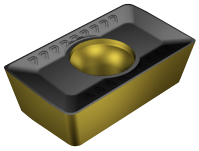
# Plaquita de punta esférica CoroMill® 216

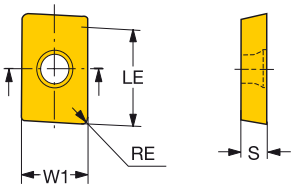





| | | CEMR | Código de pedido | P | | | M | | | K | | | N | | S | | | H | | Dimensiones, mm | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1130 | 4220 | 4340 | 1130 | 2040 | 4340 | 4220 | 4340 | H13A | 1130 | H13A | 1130 | H13A | S30T | 1010 | 1130 | LE | S |
| Medio | 10 | 4.9 | R216-10 02 E-M | ★ | | | ☆ | ★ | | | | | ☆ | | ☆ | | | ★ | ☆ | 8.6 | 1.70 |
| | 12 | 5.9 | R216-12 02 E-M | ★ | | | ☆ | ★ | | | | | ☆ | | ☆ | | ★ | | ☆ | 10.8 | 2.38 |
| | | 6.0 | R216-12 02 M-M | ★ | | ★ | ☆ | | ☆ | | ☆ | | ☆ | | ☆ | | | ★ | ☆ | 10.8 | 2.38 |
| | 16 | 7.8 | R216-16 03 E-M | ★ | | | ☆ | ★ | | | | | ☆ | | ☆ | | ★ | | ☆ | 14.4 | 3.18 |
| | | 8.0 | R216-16 03 M-M | ★ | ☆ | ★ | ☆ | ★ | ☆ | ☆ | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | ★ | ☆ | 14.4 | 3.18 |
| | 20 | 9.8 | R216-20 T3 E-M | ★ | | | ☆ | ★ | | | | | ☆ | | ☆ | | ★ | | ☆ | 17.9 | 3.97 |
| | | 10.0 | R216-20 T3 M-M | ★ | ☆ | ★ | ☆ | ★ | ☆ | ☆ | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | ★ | ☆ | 17.9 | 3.97 |
| | 25 | 12.3 | R216-25 04 E-M | ★ | | | ☆ | ★ | | | | | ☆ | | ☆ | | | | ☆ | 22.3 | 4.76 |
| | | 12.5 | R216-25 04 M-M | ★ | ☆ | ★ | ☆ | ★ | ☆ | ☆ | ☆ | | ☆ | | ☆ | | | ★ | ☆ | 22.3 | 4.76 |
| | 30 | 14.7 | R216-30 06 E-M | ★ | | | ☆ | | | | | | ☆ | | ☆ | | ★ | | ☆ | 26.9 | 6.35 |
| | | 15.0 | R216-30 06 M-M | ★ | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | | ☆ | | ☆ | | | ★ | ☆ | 26.9 | 6.35 |
| | 32 | 15.7 | R216-32 06 E-M | ★ | | | ☆ | ★ | | | | | ☆ | | ☆ | | | | ☆ | 28.6 | 6.35 |
| | | 16.0 | R216-32 06 M-M | ★ | ☆ | ★ | ☆ | ★ | ☆ | ☆ | ☆ | | ☆ | | ☆ | | | ★ | ☆ | 28.6 | 6.35 |
| | 40 | 19.7 | R216-40 07 E-M | ★ | | | ☆ | | | | | | ☆ | | ☆ | | ★ | | ☆ | 36.5 | 7.94 |
| | | 20.0 | R216-40 07 M-M | ★ | | ★ | ☆ | | ☆ | | ☆ | | ☆ | | ☆ | | | | ☆ | 36.5 | 7.94 |
| | 50 | 24.6 | R216-50 07 E-M | ★ | | | ☆ | | | | | | ☆ | | ☆ | | | | ☆ | 44.6 | 7.94 |
| | | 25.0 | R216-50 07 M-M | ★ | | ★ | ☆ | | ☆ | | ☆ | | ☆ | | ☆ | | | | ☆ | 44.6 | 7.94 |

## Plaquita con protección del mango

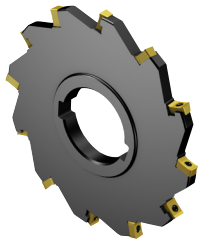
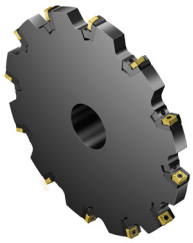
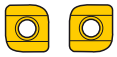
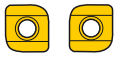
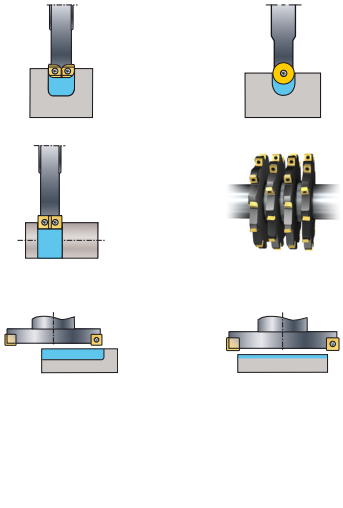
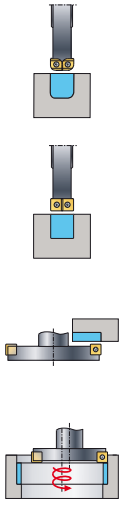
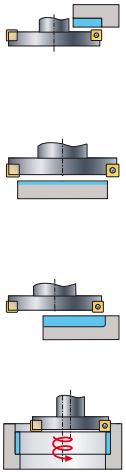





| | | | RE | Código de pedido | P | M | K | Dimensiones, mm | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 4340 | 4340 | 4340 | W1 | LE | S |
| Medio | WHX | 16 | 0.80 | APMT 16 04 08-M | ☆ | ☆ | ☆ | 9.2 | 16.0 | 4.76 |

I106 I154 I175 N23 N10

# Herramientas de fresado de disco

| | | CoroMill® 331 | |
|---|---|---|---|
| | Fresa de disco ajustable para fresado lateral y planeado  | Fresa de disco para fresado lateral y planeado  | Fresa de disco ajustable de dos cortes y planeado  |
| Página | I121-I123 | I125 | I126-I127 |
| Material | P M K N S H | | |
| Operación principal |  |  |  |
| KAPR | 90° | 90° | 90° |
| $D_c$ mm | 80 - 315 | 40 - 125 | 80 - 315 |
| APMX mm | 6.0 - 26.5 | 6.0 - 10 | 7.6 - 10.6 |
| CDX mm | 114.5 | 34 | 114.5 |
| Plaquita |  N331.1A  R/L331.1A  RCHT, RCKT |  N331.1A |  N331.1A  R/L331.1A |
| Tamaños de plaquita | 04,05,08,11 & 14 / * 04,05,08,11 & 14 / 10,12 & 16 | 04,05 & 08 | 11 / *04,05,08,11 & 14 |
| Acoplamientos | En eje<br>Cilíndrico<br>Cubo con chavetero<br>Weldon | En eje<br>Cilíndrico<br>Cubo con chavetero | En eje<br>Cilíndrico<br>Cubo con chavetero<br>Weldon |
| Otras operaciones |  |  |  |

*Plaquita R/L331.1A – solo con fresa Tailor made



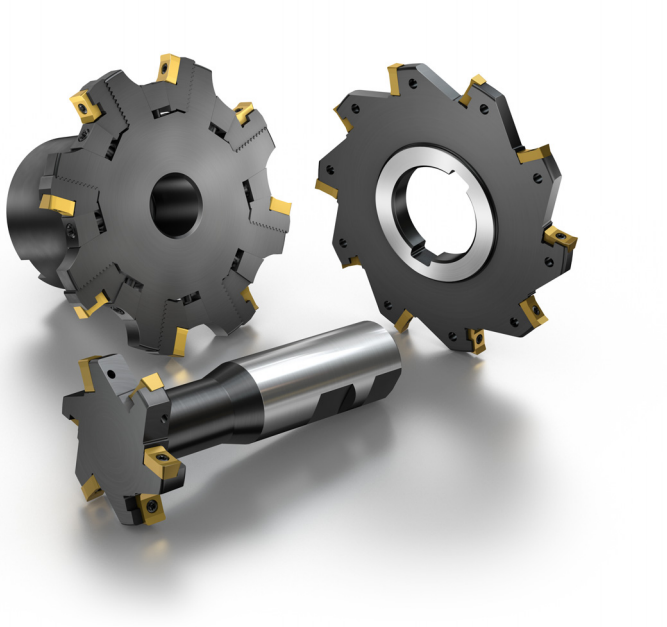
SANDVIK Coromant

# CoroMill® 331

## Fresado lateral y planeado universal

### Aplicación

- Ranurado
- Tronzado
- Dos cortes dobles
- Fresado en escuadra
- Planeado
- Fresado múltiple
- Mecanizado en rampa circular



### Área de aplicación ISO:

P M K N S H

### Ventajas y características

- Gran variedad de opciones de montaje
- Bloqueo de cartucho tipo cuña
- Precisión, seguridad y estabilidad gracias al acoplamiento dentado
- Si no encuentra el tamaño exacto que necesita, utilice nuestro servicio Tailor Made
- Reglaje sencillo de la anchura deseada
- Cartucho accionado por resorte
- Seguridad gracias a la gama de reglaje controlada por el pasador
- Refrigerante interior

www.sandvik.coromant.com/coromill331

### Acoplamientos

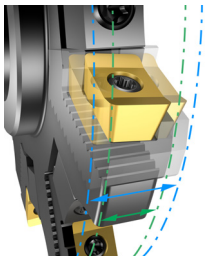
- Árbol con chavetero
- En eje
- Mango cilíndrico
- Alojamientos ajustables para una gran precisión
- Alojamientos fijos para una gran cantidad de dientes

### Plaquitas

- Plaquita de corte ligero con tolerancia H para la mayoría de materiales
- Opciones de plaquita redondas y gran variedad de radios de punta
- Plaquitas de 8 filos disponibles para operaciones de planeado
- Geometrías y calidades de plaquita para todo tipo de materiales



Precisión, seguridad y estabilidad gracias a las estrías.



**Amplia gama de ajustes.**

Alojamientos ajustables para flexibilidad.

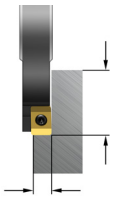
 I116

 I130



N6

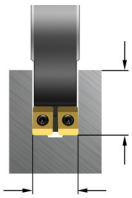
Dos cortes



CDX ≤ 114.5 mm

$a_p$ ≤ 10.6 mm

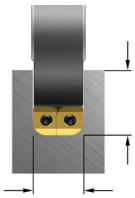
Dos cortes dobles



CDX ≤ 114.5 mm

$a_p$ ≤ 27.2 - 33.8 mm

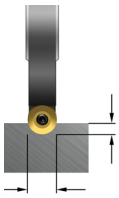
Ranurado con radio



CDX ≤ 114.5 mm

$a_p$ ≤ 6 - 26.5 mm

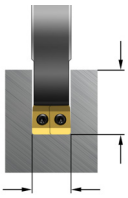
Radio completo



CDX ≤ 114.5 mm

$a_p$ ≤ 10 - 16 mm

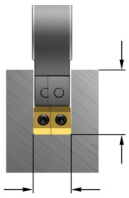
Alojamiento fijo para ranura



CDX ≤ 34.0 mm

$a_p$ ≤ 6 - 10 mm

Cartucho para ranura



CDX ≤ 114.5 mm

$a_p$ ≤ 6 - 26.5 mm

Las fresas de cartucho se suministran regladas para la anchura mín. de la ranura. Tailor Made para fresas regladas para otras anchuras.

## Fresas para diferentes anchuras de ranura y plaquitas disponibles

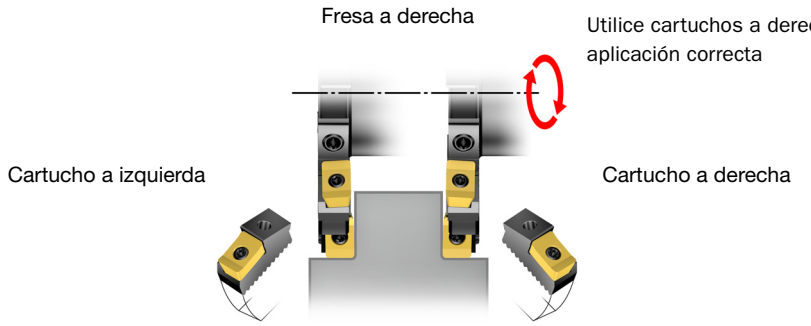
| Cuerpos de fresa | | | Plaquitas neutras | | Plaquitas de diseño a derecha e izquierda | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Gama de anchuras de ranura mm | Versiones de fresa (parte final del código) | Tamaño de la plaquita | Radio (RE) 0.5 mm | Radio (RE) 0.8 mm | Radio (RE) 1.52 mm | Radio (RE) 2.29 mm | Radio (RE) 3.05 mm | Radio (RE) 4.83 mm | Radio (RE) 6.35 mm |
| 6-8 | CM | 04 |  | |  |  | | | |
| 8-10 | DM | 05 | |  |  |  |  | | |
| 10-12 | EM | 08 | |  |  |  |  | | |
| 12-15 | FM | 08 | |  |  |  |  | | |
| 15-17.5 | KM | 11 | |  |  |  |  |  |  |
| 17.5-20.5 | LM | 11 | |  |  |  |  |  |  |
| 20.5-23.5 | QM | 14 | |  |  |  |  |  |  |
| 23.5-26.5 | RM | 14 | |  |  |  |  |  |  |

Radios de plaquita adicionales disponibles como Tailor Made.

SPA

# Combinación de cuerpos de fresa, cartuchos y plaquitas para todas las aplicaciones

### Fresas de dos cortes y planeado




### Fresa de tres cortes y planeado

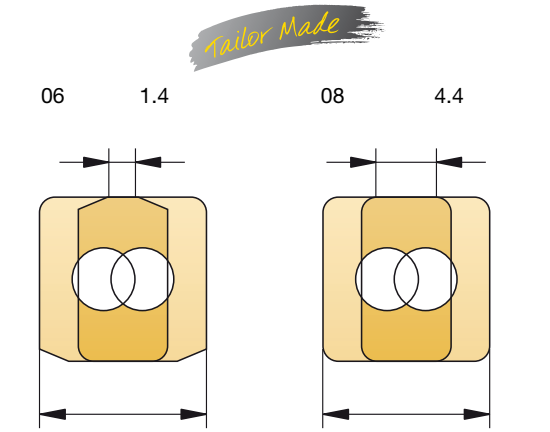



## Longitud del filo reducida para plaquitas Tailor Made

Al cajear, utilice la menor anchura de la fresa.
La superposición es el factor más importante para optimizar la operación.

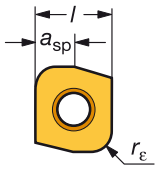
Un filo menos largo reduce la superposición, lo cual a su vez disminuye el desgaste en la zona de superposición, produciendo un mejor control de la viruta y reduciendo el consumo de potencia un 10%.

Opciones de plaquitas Tailor Made con longitud del filo reducida disponibles bajo petición.




Plaquita Tailor Made con longitud del filo reducida.

Tamaño de plaquita estándar 08

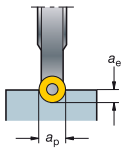



$$a_{sp} \approx \frac{a_p}{2} + 0{,}2$$

# Evacuación optimizada de la viruta

### Fresado de ranuras con fresa de plaquita redonda

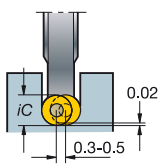
$a_e$ máx. IC/2




Máx. profundidad de corte axial $a_p$ = IC
Máx. profundidad de corte radial $a_e$ = IC/2

Nota: la longitud de contacto del filo de corte es 180°

$a_e$ mayor que IC/2



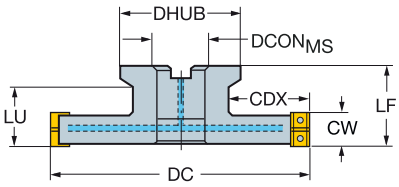

Para las ranuras de una profundidad superior a IC/2, se recomienda un ajuste de 0.3 - 0.5 mm de cada cartucho. Esto ensanchará la ranura 0.5 mm y reducirá la longitud de contacto de cada plaquita a 90°, lo cual produce una mejor formación de la viruta y reduce las vibraciones y el consumo de potencia.

# Fresa de disco ajustable CoroMill® 331 para fresado lateral y planeado

**Eje - Suministro de refrigerante interior**

STDNO ISO 6462
KAPR 90°






| | | | | | | | | Dimensiones, mm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CW | CWX | DC | CDX | ↔ | $CZC_{MS}$ | CNSC | | Código de pedido | $DCON_{MS}$ | ISO | LF | LU | DHUB | BAR | NM | KG | RPMX | CICT | MIID |
| 6.00 | 8.0 | 80 | 20.0 | 04 | 27 | 1 | 3 | R331.32C-080Q27CM | 27.0 | A | 50.00 | 26 | 51.0 | 80 | 0.8 | 0.51 | 19300 | 6 | N331.1A-04 |
| | | 100 | 22.0 | 04 | 27 | 1 | 4 | R331.32C-100Q27CM | 27.0 | A | 50.00 | | 51.0 | 80 | 0.8 | 0.75 | 17100 | 8 | N331.1A-04 |
| | | 125 | 29.5 | 04 | 32 | 1 | 5 | R331.32C-125Q32CM | 32.0 | B | 50.00 | | 61.0 | 80 | 0.8 | 0.92 | 15100 | 10 | N331.1A-04 |
| | | 160 | 41.0 | 04 | 40 | 1 | 6 | R331.32C-160Q40CM | 40.0 | B | 50.00 | | 73.0 | 80 | 0.8 | 1.38 | 13200 | 12 | N331.1A-04 |
| 8.00 | 10.0 | 80 | 20.0 | 05 | 27 | 1 | 3 | R331.32C-080Q27DM | 27.0 | A | 50.00 | | 51.0 | 80 | 1.2 | 0.54 | 15000 | 6 | N331.1A-05 |
| | | 100 | 22.0 | 05 | 27 | 1 | 4 | R331.32C-100Q27DM | 27.0 | A | 50.00 | | 51.0 | 80 | 1.2 | 1.01 | 13200 | 8 | N331.1A-05 |
| | | 125 | 29.5 | 05 | 32 | 1 | 5 | R331.32C-125Q32DM | 32.0 | B | 50.00 | | 61.0 | 80 | 1.2 | 1.09 | 11700 | 10 | N331.1A-05 |
| | | 160 | 41.0 | 05 | 40 | 1 | 6 | R331.32C-160Q40DM | 40.0 | B | 50.00 | 26 | 73.0 | 80 | 1.2 | 1.53 | 10200 | 12 | N331.1A-05 |
| 10.00 | 12.0 | 80 | 20.0 | 08 | 27 | 1 | 3 | R331.32C-080Q27EM | 27.0 | A | 50.00 | 26 | 51.0 | 80 | 1.2 | 0.70 | 18100 | 6 | N331.1A-08 |
| | | 100 | 22.0 | 08 | 27 | 1 | 4 | R331.32C-100Q27EM | 27.0 | A | 50.00 | | 51.0 | 80 | 1.2 | 1.10 | 15900 | 8 | N331.1A-08 |
| | | 125 | 29.5 | 08 | 32 | 1 | 5 | R331.32C-125Q32EM | 32.0 | B | 50.00 | | 61.0 | 80 | 1.2 | 1.30 | 14100 | 10 | N331.1A-08 |
| | | 160 | 41.0 | 08 | 40 | 1 | 6 | R331.32C-160Q40EM | 40.0 | B | 50.00 | | 73.0 | 80 | 1.2 | 1.98 | 12400 | 12 | N331.1A-08 |
| 12.00 | 15.0 | 80 | 20.0 | 08 | 27 | 1 | 3 | R331.32C-080Q27FM | 27.0 | A | 50.00 | 26 | 51.0 | 80 | 1.2 | 0.62 | 18100 | 6 | N331.1A-08 |
| | | 100 | 22.0 | 08 | 27 | 1 | 4 | R331.32C-100Q27FM | 27.0 | A | 50.00 | | 51.0 | 80 | 1.2 | 0.92 | 15900 | 8 | N331.1A-08 |
| | | 125 | 29.5 | 08 | 32 | 1 | 5 | R331.32C-125Q32FM | 32.0 | B | 50.00 | | 61.0 | 80 | 1.2 | 1.21 | 14100 | 10 | N331.1A-08 |
| | | 160 | 41.0 | 08 | 40 | 1 | 6 | R331.32C-160Q40FM | 40.0 | B | 50.00 | | 73.0 | 80 | 1.2 | 1.94 | 12400 | 12 | N331.1A-08 |
| 15.00 | 17.5 | 100 | 25.5 | 11 | 27 | 1 | 3 | R331.32C-100Q27KM | 27.0 | A | 50.00 | 32.5 | 51.0 | 80 | 3.0 | 0.98 | 14000 | 6 | N331.1A-11 |
| | | 125 | 29.5 | 11 | 32 | 1 | 4 | R331.32C-125Q32KM | 32.0 | B | 50.00 | | 61.0 | 80 | 3.0 | 1.23 | 12400 | 8 | N331.1A-11 |
| | | 160 | 41.0 | 11 | 40 | 1 | 5 | R331.32C-160Q40KM | 40.0 | B | 50.00 | | 73.0 | 80 | 3.0 | 2.17 | 10800 | 10 | N331.1A-11 |
| 17.50 | 20.5 | 125 | 29.5 | 11 | 32 | 1 | 4 | R331.32C-125Q32LM | 32.0 | B | 50.00 | | 61.0 | 80 | 3.0 | 1.42 | 12400 | 8 | N331.1A-11 |
| | | 160 | 41.0 | 11 | 40 | 1 | 5 | R331.32C-160Q40LM | 40.0 | B | 50.00 | | 73.0 | 80 | 3.0 | 2.35 | 10800 | 10 | N331.1A-11 |
| 20.50 | 23.5 | 160 | 41.0 | 14 | 40 | 1 | 5 | R331.32C-160Q40QM | 40.0 | B | 50.00 | | 73.0 | 80 | 3.0 | 2.63 | 9000 | 10 | N331.1A-14 |
| 23.50 | 26.5 | 160 | 41.0 | 14 | 40 | 1 | 5 | R331.32C-160Q40RM | 40.0 | B | 50.00 | | 73.0 | 80 | 3.0 | 3.00 | 9000 | 10 | N331.1A-14 |

| | | Piezas de repuesto | | |
|---|---|---|---|---|
| CW | DC | Tornillo de plaquita | Cuña | Tornillo |
| 6.00 | 80.00-100.00 | 5513 020-19 | 5431 105-07 | 5516 014-06 |
| 6.00 | 125.00 | 5513 020-19 | 5431 105-07 | 5516 014-06 |
| 6.00 | 160.00 | 5513 020-19 | 5431 105-07 | 5516 014-06 |
| 7.90 | 160.00 | 5513 020-34 | 5431 105-06 | 5516 014-05 |
| 8.00 | 80.00-100.00 | 5513 020-34 | 5431 105-06 | 5516 014-05 |
| 8.00 | 125.00 | 5513 020-34 | 5431 105-06 | 5516 014-05 |
| 10.00 | 80.00-100.00 | 5513 020-24 | 5431 105-01 | 269-832 |
| 10.00 | 125.00 | 5513 020-24 | 5431 105-01 | 269-832 |
| 10.00 | 160.00 | 5513 020-24 | 5431 105-01 | 269-832 |
| 12.00 | 80.00-100.00 | 5513 020-24 | 5431 105-02 | 269-832 |
| 12.00 | 125.00 | 5513 020-24 | 5431 105-02 | 269-832 |
| 12.00 | 160.00 | 5513 020-24 | 5431 105-02 | 269-832 |
| 15.00 | 100.00 | 5513 020-29 | 5431 105-04 | 339-831 |
| 15.00 | 125.00 | 5513 020-29 | 5431 105-04 | 339-831 |
| 15.00 | 160.00 | 5513 020-29 | 5431 105-04 | 339-831 |
| 17.50 | 125.00 | 5513 020-29 | 5431 105-04 | 5516 010-02 |
| 17.50 | 160.00 | 5513 020-29 | 5431 105-04 | 5516 010-02 |
| 20.50 | 160.00 | 5513 020-29 | 5431 105-05 | 5516 010-02 |
| 23.50 | 160.00 | 5513 020-29 | 5431 105-05 | 5516 010-02 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

| | Piezas de repuesto |
|---|---|
| $CZC_{MS}$ | Tornillo de refrigerante |
| 27 | 5512 098-05 |
| 32 | 5512 098-04 |
| 40 | 5512 098-03 |

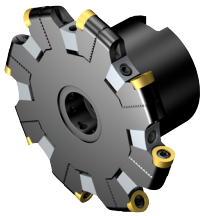
I130 L2 M1 N23 N6

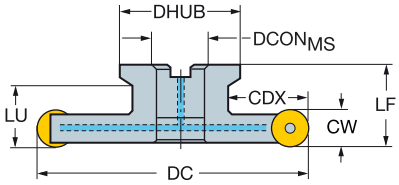
SPA

# Fresa de disco ajustable CoroMill® 331 para fresado lateral y planeado

**Eje - Suministro de refrigerante interior**

STDNO ISO 6462






| | | | | | | | | Dimensiones, mm | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CW | DC | CDX | | $CZC_{MS}$ | CNSC | | **Código de pedido** | $DCON_{MS}$ | ISO | LF | LU | DHUB | BAR | NM | KG | RPMX | RE | CICT | MIID |
| 10.00 | 82 | 21.6 | 10 | 27 | 1 | 6 | **R331.32C-082Q27EMQ** | 27.0 | A | 50.00 | 26 | 51.0 | 80 | 1.2 | 0.59 | 19500 | 5.0 | 6 | RCKT 10 T3 M0 |
| | 102 | 23.0 | 10 | 27 | 1 | 8 | **R331.32C-102Q27EMQ** | 27.0 | A | 50.00 | | 51.0 | 80 | 3.0 | 0.95 | 15900 | 5.0 | 8 | RCKT 10 T3 M0 |
| | 127 | 30.5 | 10 | 32 | 1 | 10 | **R331.32C-127Q32EMQ** | 32.0 | B | 50.00 | | 61.0 | 80 | 3.0 | 1.20 | 14100 | 5.0 | 10 | RCKT 10 T3 M0 |
| | 162 | 42.0 | 10 | 40 | 1 | 12 | **R331.32C-162Q40EMQ** | 40.0 | B | 50.00 | | 73.0 | 80 | 3.0 | 1.85 | 12400 | 5.0 | 12 | RCKT 10 T3 M0 |
| 12.00 | 82 | 21.0 | 12 | 27 | 1 | 6 | **R331.32C-082Q27FMQ** | 27.0 | A | 50.00 | 26 | 51.0 | 80 | 3.0 | 0.66 | 18100 | 6.0 | 6 | RCKT 12 04 M0 |
| | 102 | 23.0 | 12 | 27 | 1 | 8 | **R331.32C-102Q27FMQ** | 27.0 | A | 50.00 | | 51.0 | 80 | 3.0 | 1.00 | 15900 | 6.0 | 8 | RCKT 12 04 M0 |
| | 127 | 30.5 | 12 | 32 | 1 | 10 | **R331.32C-127Q32FMQ** | 32.0 | B | 50.00 | | 61.0 | 80 | 3.0 | 1.29 | 14100 | 6.0 | 10 | RCKT 12 04 M0 |
| | 162 | 42.0 | 12 | 40 | 1 | 12 | **R331.32C-162Q40FMQ** | 40.0 | B | 50.00 | | 73.0 | 80 | 3.0 | 2.03 | 12400 | 6.0 | 12 | RCKT 12 04 M0 |
| 16.00 | 102 | 26.5 | 16 | 27 | 1 | 6 | **R331.32C-102Q27KMQ** | 27.0 | A | 50.00 | 32.5 | 51.0 | 80 | 5.0 | 0.90 | 14000 | 8.0 | 6 | RCKT 16 06 M0 |
| | 127 | 30.5 | 16 | 32 | 1 | 8 | **R331.32C-127Q32KMQ** | 32.0 | B | 50.00 | | 61.0 | 80 | 5.0 | 1.38 | 12400 | 8.0 | 8 | RCKT 16 06 M0 |
| | 162 | 42.0 | 16 | 40 | 1 | 10 | **R331.32C-162Q40KMQ** | 40.0 | B | 50.00 | | 73.0 | 80 | 5.0 | 2.22 | 10800 | 8.0 | 10 | RCKT 16 06 M0 |

| | | Piezas de repuesto | | | |
|---|---|---|---|---|---|
| CW | DC | Cartucho neutro | Tornillo de plaquita | Cuña | Tornillo |
| 10.0 | 82.00 | 5521 250-02 | 5513 020-09 | 5431 105-01 | 269-832 |
| 10.0 | 102.00 | 5521 250-02 | 5513 020-09 | 5431 105-01 | 5516 010-02 |
| 10.0 | 127.00-162.00 | 5521 250-02 | 5513 020-09 | 5431 105-01 | 339-831 |
| 12.0 | 82.00 | 5521 250-03 | 5513 020-09 | 5431 105-02 | 269-832 |
| 12.0 | 102.00 | 5521 250-03 | 5513 020-09 | 5431 105-02 | 5516 010-02 |
| 12.0 | 127.00-162.00 | 5521 250-03 | 5513 020-09 | 5431 105-02 | 339-831 |
| 16.0 | 102.00-162.00 | 5521 250-05 | 5513 020-07 | 5431 105-04 | 339-831 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

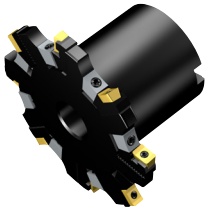
| | Piezas de repuesto |
|---|---|
| $CZC_{MS}$ | Tornillo de refrigerante |
| 27 | 5512 098-05 |
| 32 | 5512 098-04 |
| 40 | 5512 098-03 |

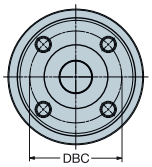
I130 L2 M1 N23 N6

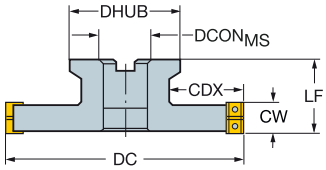
# Fresa de disco ajustable CoroMill® 331 para fresado lateral y planeado

**En eje**

STDNO ISO6462
KAPR 90°








N331.1A

| CW | CWX | DC | CDX | | $CZC_{MS}$ | | Código de pedido | Dimensiones, mm $DCON_{MS}$ | ISO | DBC | LF | DHUB | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.00 | 8.0 | 200 | 51.0 | 04 | 40S | 8 | R331.32-200Q40CM06.00 | 40.0 | C | 66.7 | 63.00 | 96.0 | 0.8 | 6.70 | 11700 | 16 | N331.1A-04 |
| 8.00 | 10.0 | 200 | 51.0 | 05 | 40S | 8 | R331.32-200Q40DM08.00 | 40.0 | C | 66.7 | 63.10 | 96.0 | 1.2 | 8.61 | 9100 | 16 | N331.1A-05 |
| 10.00 | 12.0 | 200 | 51.0 | 08 | 40S | 8 | R331.32-200Q40EM10.00 | 40.0 | C | 66.7 | 63.00 | 96.0 | 1.2 | 8.88 | 11000 | 16 | N331.1A-08 |
| 12.00 | 15.0 | 200 | 51.0 | 08 | 40S | 8 | R331.32-200Q40FM12.00 | 40.0 | C | 66.7 | 63.00 | 96.0 | 1.2 | 7.64 | 11000 | 16 | N331.1A-08 |
| 15.00 | 17.5 | 200 | 51.0 | 11 | 40S | 6 | R331.32-200Q40KM15.00 | 40.0 | C | 66.7 | 63.00 | 96.0 | 3.0 | 9.46 | 9600 | 12 | N331.1A-11 |
| | | 250 | 56.0 | 11 | 60 | 8 | R331.32-250Q60KM15.00 | 60.0 | C | 101.6 | 63.00 | 136.0 | 3.0 | 12.73 | 8500 | 16 | N331.1A-11 |
| | | 315 | 88.5 | 11 | 60 | 10 | R331.32-315Q60KM15.00 | 60.0 | C | 101.6 | 63.00 | 136.0 | 3.0 | 18.32 | 7600 | 20 | N331.1A-11 |
| 17.50 | 20.5 | 200 | 51.0 | 11 | 40S | 6 | R331.32-200Q40LM17.50 | 40.0 | C | 66.7 | 63.00 | 96.0 | 3.0 | 8.44 | 9600 | 12 | N331.1A-11 |
| | | 250 | 56.0 | 11 | 60 | 8 | R331.32-250Q60LM17.50 | 60.0 | C | 101.6 | 63.00 | 136.0 | 3.0 | 12.76 | 8500 | 16 | N331.1A-11 |
| | | 315 | 88.5 | 11 | 60 | 10 | R331.32-315Q60LM17.50 | 60.0 | C | 101.6 | 63.00 | 136.0 | 3.0 | 20.00 | 7600 | 20 | N331.1A-11 |
| 20.50 | 23.5 | 200 | 51.0 | 14 | 40S | 6 | R331.32-200Q40QM20.50 | 40.0 | C | 66.7 | 63.00 | 96.0 | 3.0 | 10.30 | 8000 | 12 | N331.1A-14 |
| | | 250 | 56.0 | 14 | 60 | 8 | R331.32-250Q60QM20.50 | 60.0 | C | 101.6 | 63.00 | 136.0 | 3.0 | 13.30 | 7100 | 16 | N331.1A-14 |
| | | 315 | 88.5 | 14 | 60 | 10 | R331.32-315Q60QM20.50 | 60.0 | C | 101.6 | 63.00 | 136.0 | 3.0 | 19.20 | 6300 | 20 | N331.1A-14 |
| 23.50 | 26.5 | 200 | 51.0 | 14 | 40S | 6 | R331.32-200Q40RM23.50 | 40.0 | C | 66.7 | 63.00 | 96.0 | 3.0 | 10.80 | 8000 | 12 | N331.1A-14 |
| | | 250 | 56.0 | 14 | 60 | 8 | R331.32-250Q60RM23.50 | 60.0 | C | 101.6 | 63.00 | 136.0 | 3.0 | 14.00 | 7100 | 16 | N331.1A-14 |
| | | 315 | 88.5 | 14 | 60 | 10 | R331.32-315Q60RM23.50 | 60.0 | C | 101.6 | 63.00 | 136.0 | 3.0 | 20.44 | 6300 | 20 | N331.1A-14 |

| | | Piezas de repuesto | | |
|---|---|---|---|---|
| CW | DC | Tornillo de plaquita | Cuña | Tornillo |
| 6.00 | 200.00 | 5513 020-19 | 5431 105-07 | 5516 014-06 |
| 8.00 | 200.00 | 5513 020-34 | 5431 105-06 | 5516 014-04 |
| 10.00 | 200.00 | 5513 020-24 | 5431 105-01 | 339-831 |
| 12.00 | 200.00 | 5513 020-24 | 5431 105-02 | 339-831 |
| 15.00-17.50 | 200.00-315.00 | 5513 020-29 | 5431 105-04 | 339-831 |
| 20.50-23.50 | 200.00-315.00 | 5513 020-29 | 5431 105-05 | 339-831 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es


I130


L2


M1



N23



N6



SANDVIK Coromant

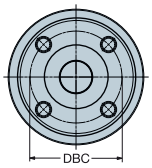
SPA

# Fresa de disco ajustable CoroMill® 331 para fresado lateral y planeado

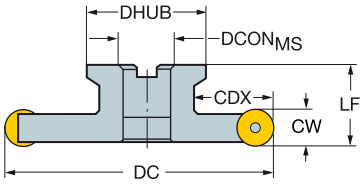
**En eje**



STDNO




ISO6462






RCKT
RCHT

| CW | DC | CDX | | CZC$_{MS}$ | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ISO | DBC | LF | DHUB | NM | KG | RPMX | RE | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.00 | 202 | 52.0 | 10 | 40S | 16 | **R331.32-202Q40EMQ** | 40.0 | C | 66.7 | 63.00 | 96.0 | 3.0 | 8.79 | 11000 | 5.0 | 16 | RCKT 10 T3 M0 |
| 12.00 | 202 | 52.0 | 12 | 40S | 16 | **R331.32-202Q40FMQ** | 40.0 | C | 66.7 | 63.00 | 96.0 | 3.0 | 9.07 | 11000 | 6.0 | 16 | RCKT 12 04 M0 |
| 16.00 | 202 | 52.0 | 16 | 40S | 12 | **R331.32-202Q40KMQ** | 40.0 | C | 66.7 | 63.50 | 96.0 | 5.0 | 10.00 | 9600 | 8.0 | 12 | RCKT 16 06 M0 |

| | | Piezas de repuesto | | |
|---|---|---|---|---|
| CW | DC | Tornillo de plaquita | Cuña | Tornillo |
| 10.00 | 202.00 | 5513 020-09 | 5431 105-01 | 339-831 |
| 12.00 | 202.00 | 5513 020-09 | 5431 105-02 | 339-831 |
| 16.00 | 202.00 | 5513 020-07 | 5431 105-04 | 339-831 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es


I103


L2


M1



N23

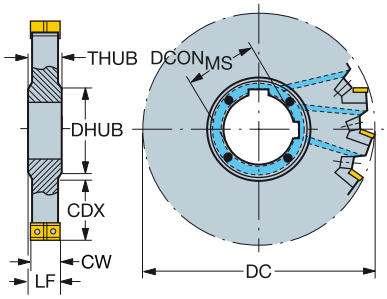

N6

# Fresa de disco ajustable CoroMill® 331 para fresado lateral y planeado

**Árbol con chavetero - Suministro de refrigerante interior**

KAPR 90°






| CW | CWX | DC | CDX | | $CZC_{MS}$ | CNSC | | Código de pedido | Dimensiones, mm $DCON_{MS}$ | LF | DRVCT | DHUB | THUB | BAR | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.00 | 8.0 | 80 | 19.5 | 04 | 27 | 1 | 3 | N331.32C-080S27CM | 27.0 | 10.00 | 1 | 39.0 | 14.0 | 80 | 0.8 | 0.37 | 19300 | 6 | N331.1A-04 |
| | | 100 | 25.5 | 04 | 32 | 1 | 4 | N331.32C-100S32CM | 32.0 | 10.00 | 1 | 47.0 | 14.0 | 80 | 0.8 | 0.49 | 17100 | 8 | N331.1A-04 |
| | | 125 | 34.0 | 04 | 40 | 1 | 5 | N331.32C-125S40CM | 40.0 | 10.00 | 2 | 55.0 | 14.0 | 80 | 0.8 | 0.63 | 15100 | 10 | N331.1A-04 |
| | | 160 | 51.5 | 04 | 40 | 1 | 6 | N331.32C-160S40CM | 40.0 | 10.00 | 2 | 55.0 | 14.0 | 80 | 0.8 | 1.02 | 13200 | 12 | N331.1A-04 |
| 8.00 | 10.0 | 80 | 19.5 | 05 | 27 | 1 | 3 | N331.32C-080S27DM | 27.0 | 12.00 | 1 | 39.0 | 16.0 | 80 | 1.2 | 0.46 | 15000 | 6 | N331.1A-05 |
| | | 100 | 25.5 | 05 | 32 | 1 | 4 | N331.32C-100S32DM | 32.0 | 12.00 | 1 | 47.0 | 16.0 | 80 | 1.2 | 0.59 | 13200 | 8 | N331.1A-05 |
| | | 125 | 34.0 | 05 | 40 | 1 | 5 | N331.32C-125S40DM | 40.0 | 12.00 | 2 | 55.0 | 16.0 | 80 | 1.2 | 0.75 | 11700 | 10 | N331.1A-05 |
| | | 160 | 51.5 | 05 | 40 | 1 | 6 | N331.32C-160S40DM | 40.0 | 12.00 | 2 | 55.0 | 16.0 | 80 | 1.2 | 1.24 | 10200 | 12 | N331.1A-05 |
| 10.00 | 12.0 | 80 | 19.5 | 08 | 27 | 1 | 3 | N331.32C-080S27EM | 27.0 | 13.00 | 1 | 39.0 | 16.0 | 80 | 1.2 | 0.42 | 18100 | 6 | N331.1A-08 |
| | | 100 | 25.5 | 08 | 32 | 1 | 4 | N331.32C-100S32EM | 32.0 | 13.00 | 1 | 47.0 | 16.0 | 80 | 1.2 | 0.62 | 15900 | 8 | N331.1A-08 |
| | | 125 | 34.0 | 08 | 40 | 1 | 5 | N331.32C-125S40EM | 40.0 | 13.00 | 2 | 55.0 | 16.0 | 80 | 1.2 | 0.93 | 14100 | 10 | N331.1A-08 |
| | | 160 | 51.5 | 08 | 40 | 1 | 6 | N331.32C-160S40EM | 40.0 | 13.00 | 2 | 55.0 | 16.0 | 80 | 1.2 | 1.46 | 12400 | 12 | N331.1A-08 |
| 12.00 | 15.0 | 80 | 19.5 | 08 | 27 | 1 | 3 | N331.32C-080S27FM | 27.0 | 14.00 | 1 | 39.0 | 16.0 | 80 | 1.2 | 0.52 | 18100 | 6 | N331.1A-08 |
| | | 100 | 25.5 | 08 | 32 | 1 | 4 | N331.32C-100S32FM | 32.0 | 14.00 | 1 | 47.0 | 16.0 | 80 | 1.2 | 0.69 | 15900 | 8 | N331.1A-08 |
| | | 125 | 34.0 | 08 | 40 | 1 | 5 | N331.32C-125S40FM | 40.0 | 14.00 | 2 | 55.0 | 16.0 | 80 | 1.2 | 1.04 | 14100 | 10 | N331.1A-08 |
| | | 160 | 51.5 | 08 | 40 | 1 | 6 | N331.32C-160S40FM | 40.0 | 14.00 | 2 | 55.0 | 16.0 | 80 | 1.2 | 1.68 | 12400 | 12 | N331.1A-08 |
| 15.00 | 17.5 | 100 | 25.5 | 11 | 32 | 1 | 3 | N331.32C-100S32KM | 32.0 | 16.75 | 1 | 47.0 | 18.5 | 80 | 3.0 | 0.82 | 14000 | 6 | N331.1A-11 |
| | | 125 | 34.0 | 11 | 40 | 1 | 4 | N331.32C-125S40KM | 40.0 | 16.75 | 1 | 55.0 | 18.5 | 80 | 3.0 | 1.23 | 12400 | 8 | N331.1A-11 |
| | | 160 | 51.5 | 11 | 40 | 1 | 5 | N331.32C-160S40KM | 40.0 | 16.75 | 2 | 55.0 | 18.5 | 80 | 3.0 | 2.01 | 10800 | 10 | N331.1A-11 |
| 17.50 | 20.5 | 125 | 34.0 | 11 | 40 | 1 | 4 | N331.32C-125S40LM | 40.0 | 19.50 | 1 | 55.0 | 21.5 | 80 | 3.0 | 1.41 | 12400 | 8 | N331.1A-11 |
| | | 160 | 51.5 | 11 | 40 | 1 | 5 | N331.32C-160S40LM | 40.0 | 19.50 | 2 | 55.0 | 21.5 | 80 | 3.0 | 2.20 | 10800 | 10 | N331.1A-11 |
| 20.50 | 23.5 | 160 | 51.5 | 14 | 40 | 1 | 5 | N331.32C-160S40QM | 40.0 | 22.50 | 2 | 55.0 | 24.5 | 80 | 3.0 | 2.55 | 9000 | 10 | N331.1A-14 |
| 23.50 | 26.5 | 160 | 51.5 | 14 | 40 | 1 | 5 | N331.32C-160S40RM | 40.0 | 25.50 | 2 | 55.0 | 27.5 | 80 | 3.0 | 2.78 | 9000 | 10 | N331.1A-14 |

| | | Piezas de repuesto | | |
|---|---|---|---|---|
| CW | DC | Tornillo de plaquita | Cuña | Tornillo |
| 6.0 | 80-160 | 5513 020-19 | 5431 105-07 | 5516 014-06 |
| 8.0 | 80-160 | 5513 020-34 | 5431 105-06 | 5516 014-05 |
| 10.0 | 80-160 | 5513 020-24 | 5431 105-01 | 269-832 |
| 12.0 | 80-160 | 5513 020-24 | 5431 105-02 | 269-832 |
| 15.0 | 100-160 | 5513 020-29 | 5431 105-04 | 5516 010-02 |
| 17.5 | 125-160 | 5513 020-29 | 5431 105-04 | 5516 010-02 |
| 20.5 | 160 | 5513 020-29 | 5431 105-05 | 5516 010-02 |
| 23.5 | 160 | 5513 020-29 | 5431 105-05 | 5516 010-02 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

| | Piezas de repuesto | |
|---|---|---|
| $CZC_{MS}$ | Juego de tornillo de refrigerante | Juego de anillo distanciador |
| 27 | 5512 076-101 | 5549 091-032 |
| 32 | 5512 076-102 | 5549 091-042 |
| 40 | 5512 076-103 | 5549 091-052 |


I130


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N23


N6



SANDVIK Coromant

SPA

# Fresa de disco ajustable CoroMill® 331 para fresado lateral y planeado

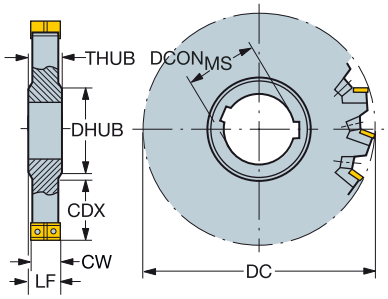
**Cubo con chavetero**

KAPR 90°





N331.1A




| CW | CWX | DC | CDX | | CZCMS | | Código de pedido | Dimensiones, mm DCONMS | LF | DRVCT | DHUB | THUB | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.00 | 8.0 | 200 | 64.5 | 04 | 50 | 8 | N331.32-200S50CM06.00 | 50.0 | 10.00 | 2 | 69.0 | 14.0 | 0.8 | 1.34 | 11700 | 16 | N331.1A-04 |
| 8.00 | 10.0 | 200 | 64.5 | 05 | 50 | 8 | N331.32-200S50DM08.00 | 50.0 | 12.00 | 2 | 69.0 | 16.0 | 1.2 | 1.67 | 9100 | 16 | N331.1A-05 |
| 10.00 | 12.0 | 200 | 64.5 | 08 | 50 | 8 | N331.32-200S50EM10.00 | 50.0 | 13.00 | 2 | 69.0 | 16.0 | 1.2 | 1.98 | 11000 | 16 | N331.1A-08 |
| 12.00 | 15.0 | 200 | 64.5 | 08 | 50 | 8 | N331.32-200S50FM12.00 | 50.0 | 14.00 | 2 | 69.0 | 16.0 | 1.2 | 2.38 | 11000 | 16 | N331.1A-08 |
| 15.00 | 17.5 | 200 | 64.5 | 11 | 50 | 6 | N331.32-200S50KM15.00 | 50.0 | 16.75 | 2 | 69.0 | 18.5 | 3.0 | 2.88 | 9600 | 12 | N331.1A-11 |
| | | 250 | 89.5 | 11 | 50 | 8 | N331.32-250S50KM15.00 | 50.0 | 16.75 | 2 | 69.0 | 18.5 | 3.0 | 7.74 | 8500 | 16 | N331.1A-11 |
| | | 315 | 114.5 | 11 | 60 | 10 | N331.32-315S60KM15.00 | 60.0 | 16.75 | 2 | 84.0 | 18.5 | 3.0 | 13.20 | 7600 | 20 | N331.1A-11 |
| 17.50 | 20.5 | 200 | 64.5 | 11 | 50 | 6 | N331.32-200S50LM17.50 | 50.0 | 19.50 | 2 | 69.0 | 21.5 | 3.0 | 3.29 | 9600 | 12 | N331.1A-11 |
| | | 250 | 89.5 | 11 | 50 | 8 | N331.32-250S50LM17.50 | 50.0 | 19.50 | 2 | 69.0 | 21.5 | 3.0 | 8.42 | 8500 | 16 | N331.1A-11 |
| | | 315 | 114.5 | 11 | 60 | 10 | N331.32-315S60LM17.50 | 60.0 | 19.50 | 2 | 84.0 | 21.5 | 3.0 | 12.94 | 7600 | 20 | N331.1A-11 |
| 20.50 | 23.5 | 200 | 64.5 | 14 | 50 | 6 | N331.32-200S50QM20.50 | 50.0 | 22.50 | 2 | 69.0 | 24.5 | 3.0 | 3.86 | 8000 | 12 | N331.1A-14 |
| | | 250 | 89.5 | 14 | 50 | 8 | N331.32-250S50QM20.50 | 50.0 | 22.50 | 2 | 69.0 | 24.5 | 3.0 | 7.10 | 7100 | 16 | N331.1A-14 |
| | | 315 | 114.5 | 14 | 60 | 10 | N331.32-315S60QM20.50 | 60.0 | 22.50 | 2 | 84.0 | 24.5 | 3.0 | 14.28 | 6300 | 20 | N331.1A-14 |
| 23.50 | 26.5 | 200 | 64.5 | 14 | 50 | 6 | N331.32-200S50RM23.50 | 50.0 | 25.50 | 2 | 69.0 | 27.5 | 3.0 | 4.35 | 8000 | 12 | N331.1A-14 |
| | | 250 | 89.5 | 14 | 50 | 8 | N331.32-250S50RM23.50 | 50.0 | 25.50 | 2 | 69.0 | 27.5 | 3.0 | 10.16 | 7100 | 16 | N331.1A-14 |
| | | 315 | 114.5 | 14 | 60 | 10 | N331.32-315S60RM23.50 | 60.0 | 25.50 | 2 | 84.0 | 27.5 | 3.0 | 19.26 | 6300 | 20 | N331.1A-14 |

| | | Piezas de repuesto | | |
|---|---|---|---|---|
| CW | DC | Tornillo de plaquita | Cuña | Tornillo |
| 6.00 | 200.00 | 5513 020-19 | 5431 105-07 | 5516 014-06 |
| 8.00 | 200.00 | 5513 020-34 | 5431 105-06 | 5516 014-04 |
| 10.00 | 200.00 | 5513 020-24 | 5431 105-01 | 5516 010-02 |
| 12.00 | 200.00 | 5513 020-24 | 5431 105-02 | 5516 010-02 |
| 15.00-17.50 | 200.00-315.00 | 5513 020-29 | 5431 105-04 | 339-831 |
| 20.50-23.50 | 200.00-315.00 | 5513 020-29 | 5431 105-05 | 339-831 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es


I130


L2



N23



N6

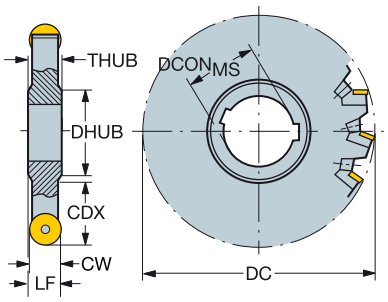
# Fresa de disco ajustable CoroMill® 331 para fresado lateral y planeado

**Cubo con chavetero**





RCKT
RCHT




| CW | DC | CDX | | CZC$_{MS}$ | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | LF | DRVCT | DHUB | THUB | NM | KG | RPMX | RE | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.00 | 82 | 20.5 | 10 | 27 | 6 | **N331.32-082S27EMQ** | 27.0 | 13.00 | 1 | 39.0 | 16.0 | 3.0 | 0.56 | 18100 | 5.0 | 6 | RCKT 10 T3 M0 |
| | 102 | 26.5 | 10 | 32 | 8 | **N331.32-102S32EMQ** | 32.0 | 13.00 | 1 | 47.0 | 16.0 | 3.0 | 0.50 | 15900 | 5.0 | 8 | RCKT 10 T3 M0 |
| | 127 | 35.0 | 10 | 40 | 10 | **N331.32-127S40EMQ** | 40.0 | 13.00 | 2 | 55.0 | 16.0 | 3.0 | 1.03 | 14100 | 5.0 | 10 | RCKT 10 T3 M0 |
| | 162 | 52.5 | 10 | 40 | 12 | **N331.32-162S40EMQ** | 40.0 | 13.00 | 2 | 55.0 | 16.0 | 3.0 | 1.51 | 12400 | 5.0 | 12 | RCKT 10 T3 M0 |
| | 202 | 65.5 | 10 | 50 | 16 | **N331.32-202S50EMQ** | 50.0 | 13.00 | 2 | 69.0 | 16.0 | 3.0 | 2.03 | 11000 | 5.0 | 16 | RCKT 10 T3 M0 |
| 12.00 | 82 | 20.5 | 12 | 27 | 6 | **N331.32-082S27FMQ** | 27.0 | 14.00 | 1 | 39.0 | 16.0 | 3.0 | 0.62 | 18100 | 6.0 | 6 | RCKT 12 04 M0 |
| | 102 | 26.5 | 12 | 32 | 8 | **N331.32-102S32FMQ** | 32.0 | 14.00 | 1 | 47.0 | 16.0 | 3.0 | 0.89 | 15900 | 6.0 | 8 | RCKT 12 04 M0 |
| | 127 | 35.0 | 12 | 40 | 10 | **N331.32-127S40FMQ** | 40.0 | 14.00 | 2 | 55.0 | 16.0 | 3.0 | 1.15 | 14100 | 6.0 | 10 | RCKT 12 04 M0 |
| | 162 | 52.5 | 12 | 40 | 12 | **N331.32-162S40FMQ** | 40.0 | 14.00 | 2 | 55.0 | 16.0 | 3.0 | 1.73 | 12400 | 6.0 | 12 | RCKT 12 04 M0 |
| | 202 | 65.5 | 12 | 50 | 16 | **N331.32-202S50FMQ** | 50.0 | 14.00 | 2 | 69.0 | 16.0 | 3.0 | 3.21 | 11000 | 6.0 | 16 | RCKT 12 04 M0 |
| 16.00 | 102 | 26.5 | 16 | 32 | 6 | **N331.32-102S32KMQ** | 32.0 | 17.25 | 1 | 47.0 | 18.5 | 5.0 | 0.96 | 14000 | 8.0 | 6 | RCKT 16 06 M0 |
| | 127 | 35.0 | 16 | 40 | 8 | **N331.32-127S40KMQ** | 40.0 | 17.25 | 1 | 55.0 | 18.5 | 5.0 | 1.27 | 12400 | 8.0 | 8 | RCKT 16 06 M0 |
| | 162 | 52.5 | 16 | 40 | 10 | **N331.32-162S40KMQ** | 40.0 | 17.25 | 2 | 55.0 | 18.5 | 5.0 | 1.97 | 10800 | 8.0 | 10 | RCKT 16 06 M0 |
| | 202 | 65.5 | 16 | 50 | 12 | **N331.32-202S50KMQ** | 50.0 | 17.25 | 2 | 69.0 | 18.5 | 5.0 | 3.20 | 9600 | 8.0 | 12 | RCKT 16 06 M0 |

| | | Piezas de repuesto | | |
|---|---|---|---|---|
| CW | DC | Tornillo de plaquita | Cuña | Tornillo |
| 10.00 | 82.00 | 5513 020-09 | 5431 105-01 | 269-832 |
| 10.00 | 102.00-202.00 | 5513 020-09 | 5431 105-01 | 339-831 |
| 12.00 | 82.00 | 5513 020-09 | 5431 105-02 | 269-832 |
| 12.00 | 102.00-202.00 | 5513 020-09 | 5431 105-02 | 339-831 |
| 16.00 | 102.00 | 5513 020-07 | 5431 105-04 | 5516 010-02 |
| 16.00 | 127.00-202.00 | 5513 020-07 | 5431 105-04 | 339-831 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es


I103


L2



N23


N6



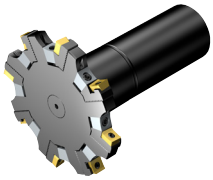
SANDVIK Coromant

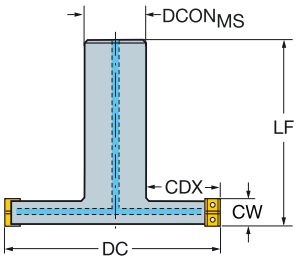
SPA

# Fresa de disco ajustable CoroMill® 331 para fresado lateral y planeado

**Mango cilíndrico - Suministro de refrigerante interior**

KAPR 90°






| CW | CWX | DC | CDX | | CZCMS | CNSC | | Código de pedido | Dimensiones, mm DCONMS | LF | BAR | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.00 | 8.0 | 80 | 23.0 | 04 | 32 | 1 | 3 | R331.32C-080A32CM | 32.0 | 115.00 | 80 | 0.8 | 0.90 | 19300 | 6 | N331.1A-04 |
| | | 100 | 28.0 | 04 | 40 | 1 | 4 | R331.32C-100A40CM | 40.0 | 125.00 | 80 | 0.8 | 1.50 | 17100 | 8 | N331.1A-04 |
| 8.00 | 10.0 | 80 | 23.0 | 05 | 32 | 1 | 3 | R331.32C-080A32DM | 32.0 | 115.00 | 80 | 1.2 | 1.02 | 15000 | 6 | N331.1A-05 |
| | | 100 | 28.0 | 05 | 40 | 1 | 4 | R331.32C-100A40DM | 40.0 | 125.00 | 80 | 1.2 | 1.65 | 13200 | 8 | N331.1A-05 |
| 10.00 | 12.0 | 80 | 23.0 | 08 | 32 | 1 | 3 | R331.32C-080A32EM | 32.0 | 115.00 | 80 | 1.2 | 1.04 | 18100 | 6 | N331.1A-08 |
| | | 100 | 28.0 | 08 | 40 | 1 | 4 | R331.32C-100A40EM | 40.0 | 125.00 | 80 | 1.2 | 1.72 | 15900 | 8 | N331.1A-08 |

| | | Piezas de repuesto | | |
|---|---|---|---|---|
| CW | DC | Tornillo de plaquita | Cuña | Tornillo |
| 6.0 | 80-100 | 5513 020-19 | 5431 105-07 | 5516 014-06 |
| 8.0 | 80-100 | 5513 020-34 | 5431 105-06 | 5516 014-05 |
| 10.0 | 80-100 | 5513 020-24 | 5431 105-01 | 269-832 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

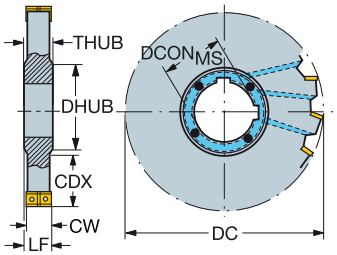
I130 L2 N23 N6

# Fresa de disco CoroMill® 331 para fresado lateral y planeado

**Árbol con chavetero - Suministro de refrigerante interior**

KAPR 90°






| CW | DC | CDX | | $CZC_{MS}$ | CNSC | | Código de pedido | Dimensiones, mm $DCON_{MS}$ | LF | DRVCT | DHUB | THUB | BAR | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.00 | 100 | 25.5 | 04 | 32 | 4 | 5 | N331.35C-100S32CM060 | 32.0 | 7.00 | 2 | 47.0 | 8.0 | 80 | 0.8 | 0.21 | 17000 | 10 | N331.1A-04 |
| 8.00 | 100 | 25.5 | 05 | 32 | 4 | 5 | N331.35C-100S32DM080 | 32.0 | 9.00 | 2 | 47.0 | 10.0 | 80 | 1.2 | 0.28 | 13000 | 10 | N331.1A-05 |
| | 125 | 34.0 | 05 | 40 | 4 | 6 | N331.35C-125S40DM080 | 40.0 | 9.00 | 2 | 55.0 | 10.0 | 80 | 1.2 | 0.47 | 15000 | 12 | N331.1A-05 |
| 10.00 | 125 | 34.0 | 08 | 40 | 4 | 6 | N331.35C-125S40EM100 | 40.0 | 11.00 | 2 | 55.0 | 12.0 | 80 | 1.2 | 0.61 | 11500 | 12 | N331.1A-08 |

| | | Piezas de repuesto |
|---|---|---|
| CW | DC | Tornillo de plaquita |
| 6.0 | 100.00 | 5513 020-19 |
| 8.0 | 100.00-125.00 | 5513 020-34 |
| 10.0 | 125.00 | 5513 020-24 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I130 L2 N23 N6

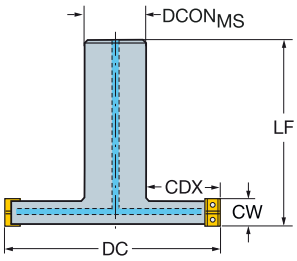
SPA

# Fresa de disco CoroMill® 331 para fresado lateral y planeado

**Mango cilíndrico - Suministro de refrigerante interior**

KAPR 90°






| CW | DC | CDX | | $CZC_{MS}$ | CNSC | | Código de pedido | Dimensiones, mm $DCON_{MS}$ | LF | BAR | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.00 | 40 | 11.0 | 04 | 16 | 1 | 2 | R331.35C-040A16CM060 | 16.0 | 120.00 | 80 | 0.8 | 0.19 | 29500 | 4 | N331.1A-04 |
| | 50 | 14.0 | 04 | 20 | 1 | 3 | R331.35C-050A20CM060 | 20.0 | 130.00 | 80 | 0.8 | 0.33 | 25000 | 6 | N331.1A-04 |
| | 63 | 18.0 | 04 | 25 | 1 | 3 | R331.35C-063A25CM060 | 25.0 | 140.00 | 80 | 0.8 | 0.58 | 22000 | 6 | N331.1A-04 |
| | 80 | 23.0 | 04 | 32 | 1 | 4 | R331.35C-080A32CM060 | 32.0 | 150.00 | 80 | 0.8 | 1.03 | 19000 | 8 | N331.1A-04 |
| 8.00 | 40 | 11.0 | 05 | 16 | 1 | 2 | R331.35C-040A16DM080 | 16.0 | 120.00 | 80 | 1.2 | 0.19 | 22300 | 4 | N331.1A-05 |
| | 50 | 14.0 | 05 | 20 | 1 | 3 | R331.35C-050A20DM080 | 20.0 | 130.00 | 80 | 1.2 | 0.34 | 19500 | 6 | N331.1A-05 |
| | 63 | 18.0 | 05 | 25 | 1 | 3 | R331.35C-063A25DM080 | 25.0 | 140.00 | 80 | 1.2 | 0.60 | 17000 | 6 | N331.1A-05 |
| | 80 | 23.0 | 05 | 32 | 1 | 4 | R331.35C-080A32DM080 | 32.0 | 150.00 | 80 | 1.2 | 1.06 | 15000 | 8 | N331.1A-05 |
| 10.00 | 40 | 11.0 | 08 | 16 | 1 | 2 | R331.35C-040A16EM100 | 16.0 | 120.00 | 80 | 1.2 | 0.20 | 27000 | 4 | N331.1A-08 |
| | 50 | 14.0 | 08 | 20 | 1 | 3 | R331.35C-050A20EM100 | 20.0 | 130.00 | 80 | 1.2 | 0.42 | 23500 | 6 | N331.1A-08 |
| | 63 | 18.0 | 08 | 25 | 1 | 3 | R331.35C-063A25EM100 | 25.0 | 140.00 | 80 | 1.2 | 0.62 | 21000 | 6 | N331.1A-08 |
| | 80 | 23.0 | 08 | 32 | 1 | 4 | R331.35C-080A32EM100 | 32.0 | 150.00 | 80 | 1.2 | 1.11 | 18000 | 8 | N331.1A-08 |

| | | Piezas de repuesto |
|---|---|---|
| CW | DC | Tornillo de plaquita |
| 6.0 | 40.00-80.00 | 5513 020-19 |
| 8.0 | 40.00-80.00 | 5513 020-34 |
| 10.0 | 40.00-80.00 | 5513 020-24 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

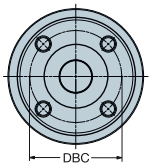
I130 L2 N23 N6

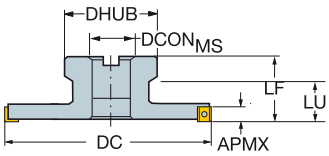
# Fresa de disco ajustable CoroMill® 331 de dos cortes y planeado

**En eje**

STDNO ISO6462
KAPR 90°








N331.1A

| DC | | CZCMS | APMX | | Código de pedido | Dimensiones, mm DCONMS | ISO | DBC | LF | LU | DHUB | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 | 08 | 27 | 7.6 | 6 | **R331.52-080Q27FMR** | 27.0 | A | | 63.00 | 40 | 54.0 | 1.2 | 1.12 | 18100 | 6 | N331.1A-08 |
| 80 | 08 | 27 | 7.6 | 6 | **R331.52-080Q27EMR** | 27.0 | A | | 63.00 | 40 | 54.0 | 1.2 | 0.80 | 18100 | 6 | N331.1A-08 |
| 100 | 08 | 27 | 7.6 | 8 | **R331.52-100Q27FMR** | 27.0 | A | | 63.00 | | 54.0 | 1.2 | 1.30 | 15900 | 8 | N331.1A-08 |
| 125 | 08 | 32 | 7.6 | 10 | **R331.52-125Q32FMR** | 32.0 | B | | 63.00 | | 64.0 | 1.2 | 1.95 | 14100 | 10 | N331.1A-08 |
| 125 | 08 | 32 | 7.6 | 10 | **R331.52-125Q32EMR** | 32.0 | B | | 63.00 | | 64.0 | 1.2 | 1.86 | 14100 | 10 | N331.1A-08 |
| 160 | 08 | 40 | 7.6 | 12 | **R331.52-160Q40EMR** | 40.0 | B | | 63.00 | | 76.0 | 1.2 | 2.69 | 12400 | 12 | N331.1A-08 |
| 100 | 11 | 27 | 10.6 | 6 | **R331.52-100Q27KMR** | 27.0 | A | | 63.00 | 40 | 54.0 | 3.0 | 1.77 | 14000 | 6 | N331.1A-11 |
| 125 | 11 | 32 | 10.6 | 8 | **R331.52-125Q32KMR** | 32.0 | B | | 63.00 | | 64.0 | 3.0 | 2.30 | 12000 | 8 | N331.1A-11 |
| 160 | 11 | 40 | 10.6 | 10 | **R331.52-160Q40KMR** | 40.0 | B | | 63.00 | | 76.0 | 3.0 | 3.30 | 10800 | 10 | N331.1A-11 |
| 200 | 11 | 40S | 10.6 | 12 | **R331.52-200Q40MMR** | 40.0 | C | 66.7 | 63.00 | | 96.0 | 3.0 | 11.50 | 9600 | 12 | N331.1A-11 |

| | Piezas de repuesto | | |
|---|---|---|---|
| Código de pedido | Tornillo de plaquita | Cuña | Tornillo |
| R331.52-080Q27EMR | 5513 020-24 | 5431 105-01 | 269-832 |
| R331.52-080Q27FMR | 5513 020-24 | 5431 105-02 | 269-832 |
| R331.52-100Q27FMR | 5513 020-24 | 5431 105-02 | 5516 010-02 |
| R331.52-125Q32EMR | 5513 020-24 | 5431 105-01 | 339-831 |
| R331.52-125Q32FMR | 5513 020-24 | 5431 105-02 | 339-831 |
| R331.52-160Q40EMR | 5513 020-24 | 5431 105-01 | 339-831 |
| R331.52-160Q40FMR | 5513 020-24 | 5431 105-02 | 339-831 |
| R331.52-100Q27KMR | 5513 020-29 | 5431 105-04 | 339-831 |
| R331.52-125Q32KMR | 5513 020-29 | 5431 105-04 | 339-831 |
| R331.52-160Q40KMR | 5513 020-29 | 5431 105-04 | 339-831 |
| R331.52-200Q40MMR | 5513 020-29 | 5431 105-03 | 339-831 |
| R331.52-250Q60MMR | 5513 020-29 | 5431 105-03 | 339-831 |
| R331.52-315Q60NMR | 5513 020-29 | 5431 105-04 | 339-831 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es


I130


L2


M1



N23



N6



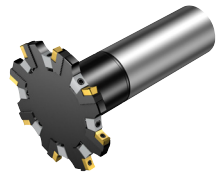
SANDVIK Coromant

SPA

# Fresa de disco ajustable CoroMill® 331 de dos cortes y planeado

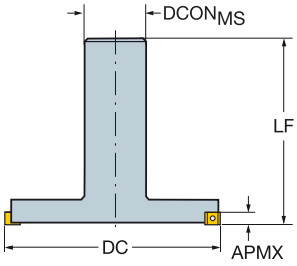
**Mango cilíndrico**

KAPR 90°





N331.1A




| Dimensiones, mm | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DC | | CZCMS | APMX | | Código de pedido | DCONMS | LF | NM | KG | RPMX | CICT | MIID |
| 100 | 08 | 42 | 7.6 | 8 | R331.52-100A42EMR | 42.0 | 152.00 | 1.2 | 1.90 | 15900 | 8 | N331.1A-08 |

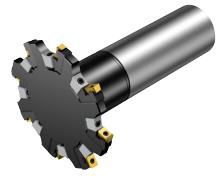
| Piezas de repuesto | | |
|---|---|---|
| Tornillo de plaquita | Cuña | Tornillo |
| 5513 020-24 | 5431 105-01 | 339-831 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

# Fresa de disco ajustable CoroMill® 331 de dos cortes y planeado inverso

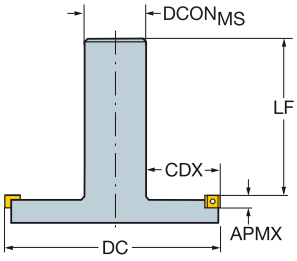
**Mango cilíndrico**

KAPR 90°





N331.1A




| Dimensiones, mm | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DC | CDX | | CZCMS | APMX | | Código de pedido | DCONMS | LF | NM | KG | RPMX | CICT | MIID |
| 80 | 19.5 | 08 | 32 | 7.6 | 6 | R331.52-080A32EML | 32.0 | 122.00 | 1.2 | 1.19 | 18100 | 6 | N331.1A-08 |
| 100 | 25.5 | 08 | 42 | 7.6 | 8 | R331.52-100A42EML | 42.0 | 142.00 | 1.2 | 1.90 | 15900 | 8 | N331.1A-08 |

| Piezas de repuesto | | |
|---|---|---|
| Tornillo de plaquita | Cuña | Tornillo |
| 5513 020-24 | 5431 105-01 | 339-831 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I130 L2 M1 N23 N6

# Fresa de disco ajustable CoroMill® 331 de dos cortes y planeado inverso

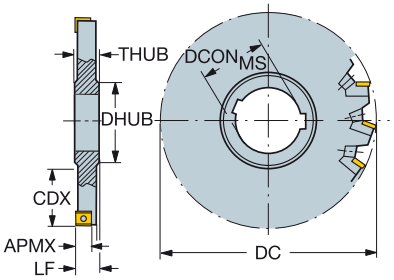
**Cubo con chavetero**

KAPR 90°





N331.1A




| DC | CDX | | CZC$_{MS}$ | APMX | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | LF | DRVCT | DHUB | THUB | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 | 19.5 | 08 | 27 | 7.6 | 6 | **R/L331.52-080S27EM** | 27.0 | 13.00 | 1 | 39.0 | 16.0 | 1.2 | 0.54 | 18100 | 6 | N331.1A-08 |
| 80 | 19.5 | 08 | 27 | 7.6 | 6 | **R/L331.52-080S27FM** | 27.0 | 14.00 | 1 | 39.0 | 16.0 | 1.2 | 0.56 | 18100 | 6 | N331.1A-08 |
| 100 | 25.5 | 08 | 32 | 7.6 | 8 | **R/L331.52-100S32EM** | 32.0 | 13.00 | 1 | 47.0 | 16.0 | 1.2 | 0.84 | 15900 | 8 | N331.1A-08 |
| 100 | 25.5 | 08 | 32 | 7.6 | 8 | **R/L331.52-100S32FM** | 32.0 | 14.00 | 1 | 47.0 | 16.0 | 1.2 | 0.60 | 15900 | 8 | N331.1A-08 |
| 125 | 34.0 | 08 | 40 | 7.6 | 10 | **R/L331.52-125S40EM** | 40.0 | 13.00 | 2 | 55.0 | 16.0 | 1.2 | 1.02 | 14100 | 10 | N331.1A-08 |
| 125 | 34.0 | 08 | 40 | 7.6 | 10 | **R/L331.52-125S40FM** | 40.0 | 14.00 | 2 | 55.0 | 16.0 | 1.2 | 1.13 | 14100 | 10 | N331.1A-08 |
| 160 | 51.5 | 08 | 40 | 7.6 | 12 | **R/L331.52-160S40EM** | 40.0 | 13.00 | 2 | 55.0 | 16.0 | 1.2 | 1.50 | 12400 | 12 | N331.1A-08 |
| 160 | 51.5 | 08 | 40 | 7.6 | 12 | **R/L331.52-160S40FM** | 40.0 | 14.00 | 2 | 55.0 | 16.0 | 1.2 | 1.73 | 12400 | 12 | N331.1A-08 |
| 100 | 25.5 | 11 | 32 | 10.6 | 6 | **L331.52-100S32KM** | 32.0 | 16.75 | 1 | 47.0 | 18.5 | 3.0 | 0.94 | 14000 | 6 | N331.1A-11 |
| 125 | 34.0 | 11 | 40 | 10.6 | 8 | **R/L331.52-125S40KM** | 40.0 | 16.75 | 1 | 55.0 | 18.5 | 3.0 | 1.30 | 12000 | 8 | N331.1A-11 |
| 160 | 51.5 | 11 | 40 | 10.6 | 10 | **R/L331.52-160S40KM** | 40.0 | 16.75 | 2 | 55.0 | 18.5 | 3.0 | 2.00 | 10000 | 10 | N331.1A-11 |
| 200 | 64.5 | 11 | 50 | 10.6 | 12 | **R/L331.52-200S50MM** | 50.0 | 29.20 | 2 | 69.0 | 31.2 | 3.0 | 9.90 | 9600 | 12 | N331.1A-11 |
| 250 | 89.5 | 11 | 50 | 10.6 | 16 | **L331.52-250S50MM** | 50.0 | 29.20 | 2 | 69.0 | 31.2 | 3.0 | 12.96 | 8500 | 16 | N331.1A-11 |
| 315 | 114.5 | 11 | 60 | 10.6 | 20 | **R/L331.52-315S60NM** | 60.0 | 32.80 | 2 | 84.0 | 34.8 | 3.0 | 17.30 | 7600 | 20 | N331.1A-11 |

| | Piezas de repuesto | | |
|---|---|---|---|
| Código de pedido | Tornillo de plaquita | Cuña | Tornillo |
| R/L331.52-125S40EM | 5513 020-24 | 5431 105-01 | 339-831 |
| R/L331.52-125S40FM | 5513 020-24 | 5431 105-02 | 339-831 |
| R/L331.52-160S40EM | 5513 020-24 | 5431 105-01 | 339-831 |
| R/L331.52-160S40FM | 5513 020-24 | 5431 105-02 | 339-831 |
| R/L331.52-080S27EM | 5513 020-24 | 5431 105-01 | 269-832 |
| R/L331.52-080S27FM | 5513 020-24 | 5431 105-02 | 269-832 |
| R/L331.52-100S32EM | 5513 020-24 | 5431 105-01 | 339-831 |
| R/L331.52-100S32FM | 5513 020-24 | 5431 105-02 | 339-831 |
| R/L331.52-160S40KM | 5513 020-29 | 5431 105-04 | 339-831 |
| R/L331.52-200S50MM | 5513 020-29 | 5431 105-03 | 339-831 |
| R/L331.52-250S50MM | 5513 020-29 | 5431 105-03 | 339-831 |
| R/L331.52-315S60NM | 5513 020-29 | 5431 105-04 | 339-831 |
| R/L331.52-100S32KM | 5513 020-29 | 5431 105-04 | 5516 010-02 |
| R/L331.52-125S40KM | 5513 020-29 | 5431 105-04 | 339-831 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I130 L2 N23 N6



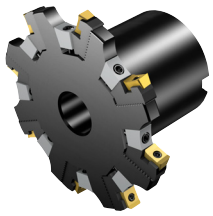
SANDVIK Coromant

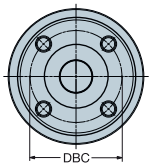
SPA

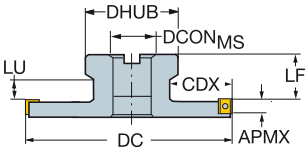
# Fresa de disco ajustable CoroMill® 331 de dos cortes y planeado inverso

**En eje**

STDNO ISO6462
KAPR 90°










N331.1A

| DC | CDX | | CZC$_{MS}$ | APMX | | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ISO | DBC | LF | LU | DHUB | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80 | 20.0 | 08 | 27 | 7.6 | 6 | **R331.52-080Q27EML** | 27.0 | A | | 53.00 | 30 | 54.0 | 1.2 | 0.80 | 18100 | 6 | N331.1A-08 |
| 80 | 20.0 | 08 | 27 | 7.6 | 6 | **R331.52-080Q27FML** | 27.0 | A | | 51.00 | 28 | 54.0 | 1.2 | 0.98 | 18100 | 6 | N331.1A-08 |
| 100 | 22.0 | 08 | 27 | 7.6 | 8 | **R331.52-100Q27EML** | 27.0 | A | | 53.00 | | 54.0 | 1.2 | 1.20 | 15900 | 8 | N331.1A-08 |
| 100 | 22.0 | 08 | 27 | 7.6 | 8 | **R331.52-100Q27FML** | 27.0 | A | | 51.00 | | 54.0 | 1.2 | 1.30 | 15900 | 8 | N331.1A-08 |
| 125 | 29.5 | 08 | 32 | 7.6 | 10 | **R331.52-125Q32FML** | 32.0 | B | | 51.00 | | 64.0 | 1.2 | 1.95 | 14100 | 10 | N331.1A-08 |
| 125 | 29.5 | 08 | 32 | 7.6 | 10 | **R331.52-125Q32EML** | 32.0 | B | | 53.00 | | 64.0 | 1.2 | 1.81 | 14100 | 10 | N331.1A-08 |
| 160 | 41.0 | 08 | 40 | 7.6 | 12 | **R331.52-160Q40FML** | 40.0 | B | | 51.00 | | 76.0 | 1.2 | 2.90 | 12400 | 12 | N331.1A-08 |
| 160 | 41.0 | 08 | 40 | 7.6 | 12 | **R331.52-160Q40EML** | 40.0 | B | | 53.00 | | 76.0 | 1.2 | 2.60 | 12400 | 12 | N331.1A-08 |
| 100 | 25.7 | 11 | 27 | 10.6 | 6 | **R331.52-100Q27KML** | 27.0 | A | | 48.00 | 25 | 54.0 | 3.0 | 1.77 | 14000 | 6 | N331.1A-11 |
| 125 | 29.5 | 11 | 32 | 10.6 | 8 | **R331.52-125Q32KML** | 32.0 | B | | 48.00 | | 64.0 | 3.0 | 2.09 | 12000 | 8 | N331.1A-11 |
| 160 | 41.0 | 11 | 40 | 10.6 | 10 | **R331.52-160Q40KML** | 40.0 | B | | 48.00 | | 76.0 | 3.0 | 3.02 | 10800 | 10 | N331.1A-11 |
| 200 | 51.0 | 11 | 40S | 10.6 | 12 | **R331.52-200Q40MML** | 40.0 | C | 66.7 | 35.80 | | 96.0 | 3.0 | 11.12 | 9600 | 12 | N331.1A-11 |

| | Piezas de repuesto | | |
|---|---|---|---|
| Código de pedido | Tornillo de plaquita | Cuña | Tornillo |
| R331.52-080Q27EML | 5513 020-24 | 5431 105-01 | 269-832 |
| R331.52-080Q27FML | 5513 020-24 | 5431 105-02 | 269-832 |
| R331.52-100Q27EML | 5513 020-24 | 5431 105-01 | 5516 010-02 |
| R331.52-100Q27FML | 5513 020-24 | 5431 105-02 | 5516 010-02 |
| R331.52-125Q32EML | 5513 020-24 | 5431 105-01 | 339-831 |
| R331.52-125Q32FML | 5513 020-24 | 5431 105-02 | 339-831 |
| R331.52-160Q40EML | 5513 020-24 | 5431 105-01 | 339-831 |
| R331.52-160Q40FML | 5513 020-24 | 5431 105-02 | 339-831 |
| R331.52-100Q27KML | 5513 020-29 | 5431 105-04 | 339-831 |
| R331.52-125Q32KML | 5513 020-29 | 5431 105-04 | 339-831 |
| R331.52-160Q40KML | 5513 020-29 | 5431 105-04 | 339-831 |
| R331.52-200Q40MML | 5513 020-29 | 5431 105-03 | 339-831 |
| R331.52-250Q60MML | 5513 020-29 | 5431 105-03 | 339-831 |
| R331.52-315Q60NML | 5513 020-29 | 5431 105-04 | 339-831 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es


I130


L2


M1

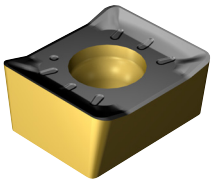


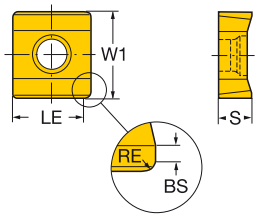
N23


N6

# Plaquita CoroMill® 331 para fresado lateral y planeado

KRINS 90°






| | | RE | Código de pedido | P | | | | M | | | | K | | | | N | | | | S | | | | H | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1130 | 4330 | 4340 | 530 | 1040 | 1130 | 2040 | 530 | 1020 | 3040 | 3220 | 3330 | 1130 | 530 | H10 | H13A | 1130 | 2040 | H13A | S30T | 1130 | 530 | W1 | LE | S | BS |
| Ligero | 04 | 0.50 | N331.1A-04 35 05E-KL | | | | | | | | | ★ | ☆ | ☆ | ☆ | | | | | | | | | | | 9.5 | 4.6 | 3.50 | 0.4 |
| | | 0.50 | N331.1A-04 35 05H-NL | ☆ | | | | | ☆ | | | | | | | ☆ | | ★ | | ☆ | | | | ☆ | | 9.5 | 4.6 | 3.50 | 0.2 |
| | | 0.50 | N331.1A-04 35 05H-PL | | ☆ | ☆ | | | | | | | | | | | | | | | | | | | | 9.5 | 4.6 | 3.50 | 0.4 |
| | | 0.50 | N331.1A-04 35 05H-WL | ☆ | | | | | ☆ | | | | | | | ☆ | | | ☆ | ☆ | | ☆ | | ☆ | | 9.5 | 4.6 | 3.50 | 0.4 |
| | | 0.50 | N331.1A-043505E-L30 | | | | | ☆ | | ☆ | | | | | | | | | | | ☆ | | ☆ | | | 9.5 | 4.6 | 3.49 | 0.4 |
| | | 0.50 | N331.1A-043505E-L50 | ★ | | | | ★ | ☆ | ☆ | | | | | | | | | | ☆ | ☆ | | ★ | | | 9.5 | 4.6 | 3.49 | 0.4 |
| | 05 | 0.80 | N331.1A-05 45 08E-KL | | | | | | | | | ★ | ☆ | ☆ | ☆ | | | | | | | | | | | 9.5 | 5.7 | 4.45 | 1.2 |
| | | 0.80 | N331.1A-05 45 08H-NL | ☆ | | | | | ☆ | | | | | | | ☆ | | ★ | | ☆ | | | | ☆ | | 9.5 | 5.7 | 4.45 | 0.8 |
| | | 0.80 | N331.1A-05 45 08H-PL | | ☆ | ☆ | | | | | | | | | | | | | | | | | | | | 9.5 | 5.7 | 4.45 | 1.2 |
| | | 0.80 | N331.1A-05 45 08H-WL | ☆ | | | | | ☆ | | | | | | | ☆ | | | ☆ | ☆ | | ☆ | | ☆ | | 9.5 | 5.7 | 4.45 | 1.2 |
| | | 0.80 | N331.1A-054508E-L30 | | | | | ☆ | | ☆ | | | | | | | | | | | ☆ | | ☆ | | | 9.5 | 5.7 | 4.49 | 1.2 |
| | | 0.80 | N331.1A-054508E-L50 | ★ | | | | ★ | ☆ | ☆ | | | | | | | | | | ☆ | ☆ | | ★ | | | 9.5 | 5.7 | 4.49 | 1.2 |
| | 08 | 0.80 | N331.1A-08 45 08E-KL | | | | | | | | | ★ | ☆ | ☆ | ☆ | | | | | | | | | | | 9.5 | 7.7 | 4.45 | 1.2 |
| | | 0.80 | N331.1A-08 45 08H-NL | ☆ | | | | | ☆ | | | | | | | ☆ | | ★ | | ☆ | | | | ☆ | | 9.5 | 7.7 | 4.45 | 0.9 |
| | | 0.80 | N331.1A-08 45 08H-PL | | ☆ | ☆ | | | | | | | | | | | | | | | | | | | | 9.5 | 7.7 | 4.45 | 1.2 |
| | | 0.80 | N331.1A-08 45 08H-WL | ☆ | | | ☆ | | ☆ | | ☆ | | | | | ☆ | ☆ | | ☆ | ☆ | | ☆ | | ☆ | ☆ | 9.5 | 7.7 | 4.45 | 1.2 |
| | | 2.00 | N331.1A-08 45 20E-KL | | | | | | | | | ★ | | | | | | | | | | | | | | 9.5 | 6.5 | 4.50 | 1.2 |
| | | 2.00 | N331.1A-08 45 20H-PL | ★ | | | | | ☆ | | | | | | | ☆ | | | | ☆ | | | | ☆ | | 9.5 | 6.5 | 4.50 | 1.2 |
| | | 0.80 | N331.1A-084508E-L30 | | | | | ☆ | | ☆ | | | | | | | | | | | ☆ | | ☆ | | | 9.5 | 7.7 | 4.49 | 1.2 |
| | | 0.80 | N331.1A-084508E-L50 | ★ | | | | ★ | ☆ | ☆ | | | | | | | | | | ☆ | ☆ | | ★ | | | 9.5 | 7.7 | 4.49 | 1.2 |
| | 11 | 0.80 | N331.1A-11 50 08E-KL | | | | | | | | | ★ | ☆ | ☆ | ☆ | | | | | | | | | | | 11.5 | 10.7 | 4.95 | 1.2 |
| | | 0.80 | N331.1A-11 50 08H-NL | ☆ | | | | | ☆ | | | | | | | ☆ | | ★ | | ☆ | | | | ☆ | | 11.5 | 10.7 | 4.95 | 1.3 |
| | | 0.80 | N331.1A-11 50 08H-PL | | ☆ | ☆ | | | | | | | | | | | | | | | | | | | | 11.5 | 10.7 | 4.95 | 1.2 |
| | | 0.80 | N331.1A-11 50 08H-WL | ☆ | | | | | ☆ | | | | | | | ☆ | | | ☆ | ☆ | | ☆ | | ☆ | | 11.5 | 10.7 | 4.95 | 1.2 |
| | | 2.00 | N331.1A-11 50 20E-KL | | | | | | | | | ★ | | | | | | | | | | | | | | 11.5 | 9.5 | 5.00 | 1.2 |
| | | 2.00 | N331.1A-11 50 20H-PL | ★ | | | | | ☆ | | | | | | | ☆ | | | | ☆ | | | | ☆ | | 11.5 | 9.5 | 5.00 | 1.2 |
| | | 0.80 | N331.1A-115008E-L30 | | | | | ☆ | | ☆ | | | | | | | | | | | ☆ | | ☆ | | | 11.5 | 10.7 | 4.99 | 1.2 |
| | | 0.80 | N331.1A-115008E-L50 | ★ | | | | ★ | ☆ | ☆ | | | | | | | | | | ☆ | ☆ | | ★ | | | 11.5 | 10.7 | 4.99 | 1.2 |
| | 14 | 0.80 | N331.1A-14 50 08E-KL | | | | | | | | | ★ | ☆ | ☆ | ☆ | | | | | | | | | | | 11.5 | 13.7 | 4.95 | 1.2 |
| | | 0.80 | N331.1A-14 50 08H-NL | ☆ | | | | | ☆ | | | | | | | ☆ | | ★ | | ☆ | | | | ☆ | | 11.5 | 13.7 | 4.95 | 1.1 |
| | | 0.80 | N331.1A-14 50 08H-PL | | ☆ | ☆ | | | | | | | | | | | | | | | | | | | | 11.5 | 13.7 | 4.95 | 1.2 |
| | | 0.80 | N331.1A-14 50 08H-WL | ☆ | | | | | ☆ | | | | | | | ☆ | | | ☆ | ☆ | | ☆ | | ☆ | | 11.5 | 13.7 | 4.95 | 1.2 |
| | | 0.80 | N331.1A-145008E-L30 | | | | | ☆ | | ☆ | | | | | | | | | | | ☆ | | ☆ | | | 11.5 | 13.7 | 4.98 | 1.2 |
| | | 0.80 | N331.1A-145008E-L50 | ★ | | | | ★ | ☆ | ☆ | | | | | | | | | | ☆ | ☆ | | ★ | | | 11.5 | 13.7 | 4.98 | 1.2 |
| Medio | 04 | 0.50 | N331.1A-04 35 05M-KM | | | | | | | | | ☆ | ☆ | ☆ | ☆ | | | | | | | | | | | 9.5 | 4.6 | 3.50 | 0.4 |
| | | 0.50 | N331.1A-04 35 05M-PM | | ☆ | ☆ | | | | | | | | | | | | | | | | | | | | 9.5 | 4.6 | 3.50 | 0.4 |
| | | 0.50 | N331.1A-043505E-M30 | ★ | ★ | | | | | | | ★ | ★ | | | | | | | | | | | ☆ | | 9.5 | 4.6 | 3.50 | 0.4 |
| | 05 | 0.80 | N331.1A-05 45 08E-KM | | | | | | | | | ☆ | ☆ | ☆ | ☆ | | | | | | | | | | | 9.5 | 5.7 | 4.45 | 1.2 |
| | | 0.80 | N331.1A-05 45 08H-PM | | ☆ | | | | | | | | | | | | | | | | | | | | | 9.5 | 5.7 | 4.45 | 1.2 |
| | | 0.80 | N331.1A-05 45 08M-KM | | | | | | | | | ☆ | ☆ | ☆ | ☆ | | | | | | | | | | | 9.5 | 5.7 | 4.45 | 1.2 |
| | | 0.80 | N331.1A-05 45 08M-PM | | ☆ | ☆ | | | | | | | | | | | | | | | | | | | | 9.5 | 5.7 | 4.45 | 1.2 |
| | | 0.80 | N331.1A-054508E-M30 | ★ | ★ | | | | | | | ★ | ★ | | | | | | | | | | | ☆ | | 9.5 | 5.7 | 4.50 | 1.2 |
| | 08 | 0.80 | N331.1A-08 45 08E-KM | | | | | | | | | ☆ | ☆ | ☆ | ☆ | | | | | | | | | | | 9.5 | 7.7 | 4.45 | 1.2 |
| | | 0.80 | N331.1A-08 45 08H-PM | | ☆ | | | | | | | | | | | | | | | | | | | | | 9.5 | 7.7 | 4.45 | 1.2 |
| | | 0.80 | N331.1A-08 45 08H-WM | | | | ☆ | | | | ☆ | | | | | | ☆ | | ☆ | | | ☆ | | | ☆ | 9.5 | 7.7 | 4.45 | 1.2 |
| | | 0.80 | N331.1A-08 45 08M-KM | | | | | | | | | ☆ | ☆ | ☆ | ☆ | | | | | | | | | | | 9.5 | 7.7 | 4.45 | 1.2 |
| | | 0.80 | N331.1A-08 45 08M-PM | | ☆ | ☆ | | | | | | | | | | | | | | | | | | | | 9.5 | 7.7 | 4.45 | 1.2 |
| | | 2.00 | N331.1A-08 45 20E-KM | | | | | | | | | ★ | ★ | | | | | | | | | | | | | 9.5 | 6.5 | 4.45 | 1.2 |
| | | 2.00 | N331.1A-08 45 20H-PM | ★ | ★ | | | | ☆ | | | | | | | ☆ | | | | ☆ | | | | ☆ | | 9.5 | 6.5 | 4.45 | 1.2 |
| | | 0.80 | N331.1A-084508E-M30 | ★ | ★ | | | | | | | ★ | ★ | | | | | | | | | | | ☆ | | 9.5 | 7.7 | 4.50 | 1.2 |

I116 I154 I175 N23 N6 N10

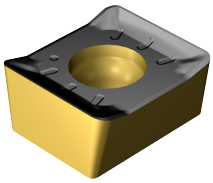


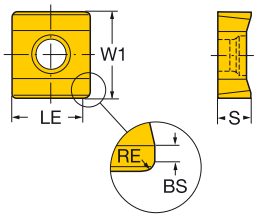
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SPA

# Plaquita CoroMill® 331 para fresado lateral y planeado

KRINS 90°





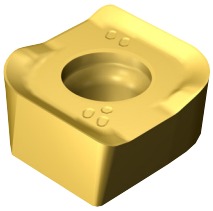

| | | RE | Código de pedido | P | | | | M | | | | K | | | | N | | | | S | | | | H | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1130 | 4330 | 4340 | 530 | 1040 | 1130 | 2040 | 530 | 1020 | 3040 | 3220 | 3330 | 1130 | 530 | H10 | H13A | 1130 | 2040 | H13A | S30T | 1130 | 530 | W1 | LE | S | BS |
| Medium | 11 | 0.80 | N331.1A-11 50 08E-KM | | | | | | | | | ☆ | ☆ | ☆ | ☆ | | | | | | | | | | | 11.5 | 10.7 | 4.95 | 1.2 |
| | | 0.80 | N331.1A-11 50 08H-PM | | ☆ | | | | | | | | | | | | | | | | | | | | | 11.5 | 10.7 | 4.95 | 1.2 |
| | | 0.80 | N331.1A-11 50 08H-WM | | | | ☆ | | | | ☆ | | | | | | ☆ | | ☆ | | | ☆ | | | ☆ | 11.5 | 10.7 | 4.95 | 1.2 |
| | | 0.80 | N331.1A-11 50 08M-KM | | | | | | | | | ☆ | ☆ | ☆ | ☆ | | | | | | | | | | | 11.5 | 10.7 | 4.95 | 1.2 |
| | | 0.80 | N331.1A-11 50 08M-PM | | ☆ | ☆ | | | | | | | | | | | | | | | | | | | | 11.5 | 10.7 | 4.95 | 1.2 |
| | | 2.00 | N331.1A-11 50 20E-KM | | | | | | | | | ★ | ★ | | | | | | | | | | | | | 11.5 | 9.5 | 4.95 | 1.2 |
| | | 2.00 | N331.1A-11 50 20H-PM | ★ | ★ | | | | ☆ | | | | | | | ☆ | | | | ☆ | | | | ☆ | | 11.5 | 9.5 | 4.95 | 1.2 |
| | | 0.80 | N331.1A-115008E-M30 | ★ | ★ | | | | | | | ★ | ★ | | | | | | | | | | | ☆ | | 11.5 | 10.7 | 5.00 | 1.2 |
| | 14 | 0.80 | N331.1A-14 50 08E-KM | | | | | | | | | ☆ | ☆ | ☆ | ☆ | | | | | | | | | | | 11.5 | 13.7 | 4.95 | 1.2 |
| | | 0.80 | N331.1A-14 50 08H-PM | | ☆ | | | | | | | | | | | | | | | | | | | | | 11.5 | 13.7 | 4.95 | 1.2 |
| | | 0.80 | N331.1A-14 50 08H-WM | | | | | | | | | | | | | | | ☆ | | | ☆ | | | | | 11.5 | 13.7 | 4.95 | 1.2 |
| | | 0.80 | N331.1A-14 50 08M-KM | | | | | | | | | ☆ | ☆ | ☆ | ☆ | | | | | | | | | | | 11.5 | 13.7 | 4.95 | 1.2 |
| | | 0.80 | N331.1A-14 50 08M-PM | | ☆ | ☆ | | | | | | | | | | | | | | | | | | | | 11.5 | 13.7 | 4.95 | 1.2 |
| | | 0.80 | N331.1A-145008E-M30 | ★ | ★ | | | | | | | ★ | ★ | | | | | | | | | | | ☆ | | 11.5 | 13.7 | 5.00 | 1.2 |

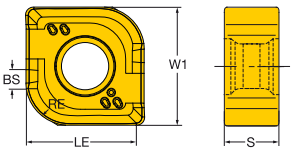
I116 I154 I175 N23 N6 N10

# Plaquita CoroMill® 331 para fresado lateral y planeado

**Cuerpos de fresa para plaquitas de radio disponibles como Tailor made.**

KRINS 90°






| | | SSC | RE | Código de pedido | P | | M | | | | K | | N | S | | | H | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1130 | 4330 | 1040 | 1130 | 2040 | S30T | 1020 | 3040 | 1130 | 1130 | 2040 | S30T | 1130 | W1 | LE | S | BS |
| Ligero | L50 | 11 | 3.05 | R/L331.1A-115030E-L50 | | | ★ | | ☆ | ☆ | | | | | ☆ | ★ | | 11.5 | 10.7 | 5.00 | 1.3 |
| | | | 4.00 | R/L331.1A-115040E-L50 | | | ★ | | ☆ | ☆ | | | | | ☆ | ★ | | 11.5 | 10.7 | 5.00 | 1.4 |
| | | | 4.83 | R/L331.1A-115048E-L50 | | | ★ | | ☆ | ☆ | | | | | ☆ | ★ | | 11.5 | 10.7 | 5.00 | 1.5 |
| | | | 6.35 | R/L331.1A-115063E-L50 | | | ★ | | ☆ | ☆ | | | | | ☆ | ★ | | 11.5 | 10.7 | 5.00 | 1.6 |
| Medio | M30 | 11 | 1.52 | R/L331.1A-115015E-M30 | ★ | ☆ | | ☆ | | | ★ | ☆ | ☆ | ☆ | | | ☆ | 11.5 | 10.7 | 5.00 | 1.2 |
| | | | 2.29 | R/L331.1A-115023E-M30 | ★ | ☆ | | ☆ | | | ★ | ☆ | ☆ | ☆ | | | ☆ | 11.5 | 10.7 | 5.00 | 1.2 |
| | | | 3.05 | R/L331.1A-115030E-M30 | ★ | ☆ | | ☆ | | | ★ | ☆ | ☆ | ☆ | | | ☆ | 11.5 | 10.7 | 5.00 | 1.3 |
| | WM | 08 | 4.00 | R/L331.1A-08 45 40H-WM | ★ | ☆ | | ☆ | | | ★ | ☆ | ☆ | ☆ | | | ☆ | 9.5 | 7.7 | 4.45 | 1.4 |
| | | 11 | 4.00 | R/L331.1A-11 50 40H-WM | ★ | ☆ | | ☆ | | | ★ | ☆ | ☆ | ☆ | | | ☆ | 11.5 | 10.7 | 4.95 | 1.4 |
| | | 14 | 4.00 | R/L331.1A-14 50 40H-WM | ★ | ☆ | | ☆ | | | ★ | ☆ | ☆ | ☆ | | | ☆ | 11.5 | 13.7 | 4.95 | 1.4 |

I116 I154 I175 N23 N6 N10

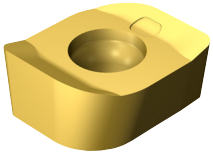


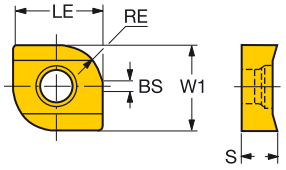
SANDVIK Coromant

# Plaquita CoroMill® 331 para fresado lateral y planeado

**Cuerpos de fresa para plaquitas de radio disponibles como Tailor made.**

KRINS 90°



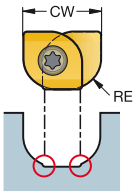



| | | | | | P | | M | | K | | N | | S | | | | H | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | RE | Código de pedido | 1130 | 4340 | 1040 | 1130 | 1025 | 4340 | 1130 | H10F | 1040 | 1130 | S30T | H10F | 1130 | W1 | LE | S | BS |
| Ligero | WL | 04 | 1.52 | L331.1A-04 35 15H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 9.5 | 4.6 | 3.50 | 0.4 |
| | | | 2.29 | L331.1A-04 35 23H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 9.5 | 4.6 | 3.50 | 0.4 |
| | | | 1.52 | R331.1A-04 35 15H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 9.5 | 4.6 | 3.50 | 0.4 |
| | | | 2.29 | R331.1A-04 35 23H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 9.5 | 4.6 | 3.50 | 0.4 |
| | | 05 | 1.52 | L331.1A-05 45 15H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 9.5 | 5.7 | 4.45 | 1.2 |
| | | | 2.29 | L331.1A-05 45 23H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | ★ | ★ | ☆ | | ☆ | ★ | 9.5 | 5.7 | 4.45 | 1.2 |
| | | | 3.05 | L331.1A-05 45 30H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 9.5 | 5.7 | 4.45 | 1.3 |
| | | | 1.52 | R331.1A-05 45 15H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 9.5 | 5.7 | 4.45 | 1.2 |
| | | | 2.29 | R331.1A-05 45 23H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | ★ | ★ | ☆ | | ☆ | ★ | 9.5 | 5.7 | 4.45 | 1.2 |
| | | | 3.05 | R331.1A-05 45 30H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 9.5 | 5.7 | 4.45 | 1.3 |
| | | 08 | 1.52 | L331.1A-08 45 15H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ☆ | ☆ | ★ | | ★ | 9.5 | 7.7 | 4.45 | 1.2 |
| | | | 2.29 | L331.1A-08 45 23H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | ★ | ☆ | ☆ | ★ | ☆ | ★ | 9.5 | 7.7 | 4.45 | 1.2 |
| | | | 3.05 | L331.1A-08 45 30H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | ★ | ★ | ☆ | | ☆ | ★ | 9.5 | 7.7 | 4.45 | 1.3 |
| | | | 1.52 | R331.1A-08 45 15H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ☆ | ☆ | ★ | | ★ | 9.5 | 7.7 | 4.45 | 1.2 |
| | | | 2.29 | R331.1A-08 45 23H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | ★ | ☆ | ☆ | ★ | ☆ | ★ | 9.5 | 7.7 | 4.45 | 1.2 |
| | | | 3.05 | R331.1A-08 45 30H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 9.5 | 7.7 | 4.45 | 1.3 |
| | | 11 | 1.52 | L331.1A-11 50 15H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ☆ | ☆ | ★ | | ★ | 11.5 | 10.7 | 4.95 | 1.2 |
| | | | 2.29 | L331.1A-11 50 23H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | ★ | ☆ | ☆ | ★ | ☆ | ★ | 11.5 | 10.7 | 4.95 | 1.2 |
| | | | 3.05 | L331.1A-11 50 30H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 11.5 | 10.7 | 4.95 | 1.3 |
| | | | 4.83 | L331.1A-11 50 48H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 11.5 | 10.7 | 4.95 | 1.5 |
| | | | 6.35 | L331.1A-11 50 63H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 11.5 | 10.7 | 4.95 | 1.6 |
| | | | 1.52 | R331.1A-11 50 15H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ☆ | ☆ | ★ | | ★ | 11.5 | 10.7 | 4.95 | 1.2 |
| | | | 2.29 | R331.1A-11 50 23H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | ★ | ☆ | ☆ | ★ | ☆ | ★ | 11.5 | 10.7 | 4.95 | 1.2 |
| | | | 3.05 | R331.1A-11 50 30H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 11.5 | 10.7 | 4.95 | 1.3 |
| | | | 4.83 | R331.1A-11 50 48H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 11.5 | 10.7 | 4.95 | 1.5 |
| | | | 6.35 | R331.1A-11 50 63H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 11.5 | 10.7 | 4.95 | 1.6 |
| | | 14 | 1.52 | L331.1A-14 50 15H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 11.5 | 13.7 | 4.95 | 1.2 |
| | | | 2.29 | L331.1A-14 50 23H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 11.5 | 13.7 | 4.95 | 1.2 |
| | | | 3.05 | L331.1A-14 50 30H-WL | ★ | ☆ | ★ | ☆ | ☆ | ☆ | ☆ | ★ | ★ | ☆ | | ☆ | ★ | 11.5 | 13.7 | 4.95 | 1.3 |
| | | | 4.83 | L331.1A-14 50 48H-WL | ★ | ☆ | ★ | ☆ | ☆ | ☆ | ☆ | ★ | ★ | ☆ | | ☆ | ★ | 11.5 | 13.7 | 4.95 | 1.5 |
| | | | 6.35 | L331.1A-14 50 63H-WL | ★ | ☆ | ★ | ☆ | ☆ | ☆ | ☆ | | ★ | ☆ | | | ★ | 11.5 | 13.7 | 4.95 | 1.6 |
| | | | 1.52 | R331.1A-14 50 15H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 11.5 | 13.7 | 4.95 | 1.2 |
| | | | 2.29 | R331.1A-14 50 23H-WL | ★ | | ★ | ☆ | ☆ | | ☆ | | ★ | ☆ | | | ★ | 11.5 | 13.7 | 4.95 | 1.2 |
| | | | 3.05 | R331.1A-14 50 30H-WL | ★ | ☆ | ★ | ☆ | ☆ | ☆ | ☆ | ★ | ★ | ☆ | | ☆ | ★ | 11.5 | 13.7 | 4.95 | 1.3 |
| | | | 4.83 | R331.1A-14 50 48H-WL | ★ | ☆ | ★ | ☆ | ☆ | ☆ | ☆ | | ★ | ☆ | | | ★ | 11.5 | 13.7 | 4.95 | 1.5 |
| | | | 6.35 | R331.1A-14 50 63H-WL | ★ | ☆ | ★ | ☆ | ☆ | ☆ | ☆ | | ★ | ☆ | | | ★ | 11.5 | 13.7 | 4.95 | 1.6 |

## Limitaciones al utilizar plaquitas con un radio de punta grande

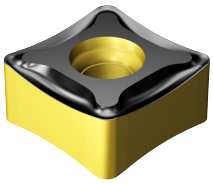
**Fresado de ranuras**

| Tamaño de la plaquita | CW calculada |
|---|---|
| 04 | CW = RE + 4.6 |
| 05 | CW = RE + 6 |
| 08 | CW = RE + 8 |
| 11 | CW = RE + 11 |

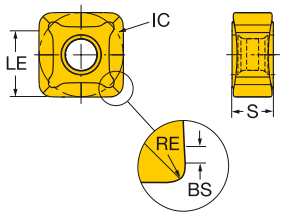



I116 I154 I175 N23 N6 N10

# Plaquita CoroMill® 331 para fresado lateral y planeado

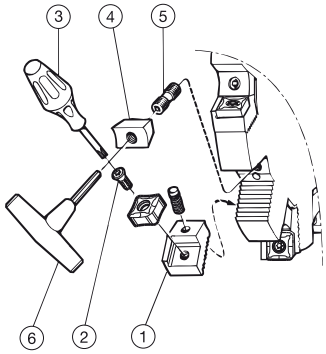


KRINS 88°




| | | | RE | Código de pedido | P | | | | M | K | | | N | S | H | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1130 | 4220 | 4330 | 4340 | 1130 | 1020 | 3040 | 3330 | 1130 | 1130 | 1130 | IC | LE | S | BS |
| Medio | PM | 13 | 0.80 | N331.1D-136508E-PM | ☆ | | ★ | ☆ | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | ☆ | 13.4 | 11.4 | 6.55 | 1.2 |
| | | | 0.80 | N331.1D-136508M-PM | | ☆ | ★ | | | ☆ | ☆ | ★ | | | | 13.4 | 11.4 | 6.55 | 1.2 |
| | | | 1.20 | N331.1D-136512M-PM | | ☆ | | | | ☆ | ☆ | ★ | | | | 13.4 | 11.0 | 6.55 | 1.2 |
| | | | 2.00 | N331.1D-136520E-PM | ☆ | ☆ | ★ | ☆ | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | ☆ | 13.4 | 10.2 | 6.55 | 1.2 |
| | | | 2.00 | N331.1D-136520M-PM | | ☆ | | | | ☆ | ☆ | ★ | | | | 13.4 | 10.2 | 6.55 | 1.2 |

Estas plaquitas de dos caras necesitan cartuchos opcionales. Consulte la información proporcionada a continuación.




Debe tenerse en cuenta que el diámetro de la fresa incrementa 3.2 mm cuando se utilizan cartuchos para plaquitas de dos caras.

| Tipo de fresa | 1 | 1 | 2 | 3 | | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|
| | Cartucho Derecho | Cartucho a izquierda | Tornillo | Llave (Torx Plus) | Llave dinamométrica | Cuña | Tornillo | Llave (mm) |
| QM ($a_p$ 20.5–23.5 mm) | 5321 260-01 | 5321 260-02 | 5513 020-25 | 5680 046-02 (15IP) | 5680 100-06 | 5431 105-05 | 339-831 | 265.2-817 (3.0) |
| RM ($a_p$ 23.5-26.5 mm) | 5321 260-01 | 5321 260-02 | 5513 020-25 | 5680 046-02 (15IP) | 5680 100-06 | 5431 105-05 | 339-831 | 265.2-817 (3.0) |

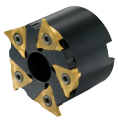
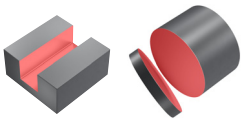
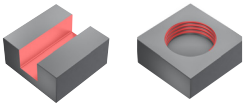
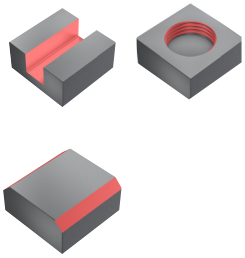
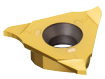
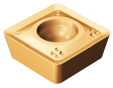
1) Pieza opcional. Debe pedirse por separado

I116 I154 I175 N23 N6 N10



SANDVIK Coromant

# Herramientas de fresado de ranuras, roscas y chaflanes

| | CoroMill® QD | CoroMill® 328 | CoroMill® 327 | CoroMill® 495 |
|---|---|---|---|---|
| |  |  |  |  |
| Página | Fresado de ranuras I136 | Fresado de ranuras I142 | Fresado de ranuras I145 | Fresado de chaflanes I151 |
| | | Fresado de roscas I148 | Fresado de roscas I149 | |
| | | | Fresado de chaflanes I150 | |
| Material | P M K N S H | P M K N S | P M K N S | P M K N S |
| Operación principal |  |  |  |  |
| $D_c$ mm | 63 - 315 | 39 - 80 | 9.7 - 34.7 | 12 - 63 |
| APMX mm | | 6 | 6 - 10 | 3.8 - 7.7 |
| CW mm | 2 - 6.35 | 1.3 - 5.15 | 0.7 - 5.15 | |
| CDX mm | 21.0 - 117.5 | 3.0 - 5.0 | 0.5 - 10.0 | |
| Plaquita |  |  |  |  |
| Tamaños de plaquita | E,F,G,H,J,K | 13 | 06, 09, 12, 14 | 09 |
| Acoplamientos | Eje con tornillos de transmisión<br>Mango cilíndrico | Cubo con chavetero<br>Weldon<br>En eje | Coromant Capto® corto<br>Weldon<br>Pinzas ER integradas | Coromant Capto®<br>Mango cilíndrico<br>Weldon<br>Coromant EH |
| Refrigerante interior | ✓ | ✗ | ✓ | ✓ |
| Opciones | | | | Ángulos disponibles: 15°, 30°, 45°, 60° |

# CoroMill® QD

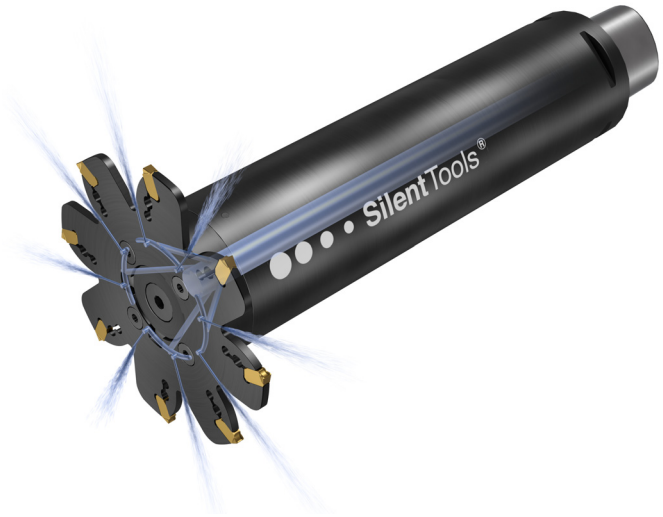
## Fresado de ranuras y tronzado extremadamente seguro

### Aplicación

- Ranurado profundo
- Tronzado
- Mecanizado exterior e interior
- Desbaste y acabado

### Área de aplicación ISO:

P M K N S H




### Ventajas y características

- Ranuras de calidad sin problemas de viruta
- Herramientas de seguridd y fiabilidad elevada
- Cambios de plaquita sencillos y rápidos

www.sandvik.coromant.com/coromillqd

### Acoplamientos

- Mango cilíndrico
- En eje

### Plaquitas

Plaquitas de tolerancia E y M para una amplia gama de anchuras y materiales. Disponibilidad de plaquitas con faceta paralela extremadamente larga para disfrutar de un acabado superficial de altísima calidad. Disponible en la calidad de fresado de acero GC1130 con tecnología Zertivo™ para contar con una vida útil larga y predecible.

### Brida de sujeción

Al utilizar bridas de sujeción para una estabilidad adicional, se puede ranurar con una relación profundidad de corte/anchura grande (superior a 15) y una excelente calidad constante.
Las bridas de sujeción de menor tamaño pueden utilizarse junto con adaptadores de planeado en centros de mecanizado de gran tamaño como solución rentable.



### Refrigerante interior

La solución de suministro de refrigerante interior ofrece una excelente evacuación de la viruta. Al deshacerse de los problemas de la viruta, mejora la calidad superficial y aumenta la seguridad del mecanizado. Además, el suministro de refrigerante interior también contribuye a regular la temperatura en la zona de corte, lo cual es especialmente beneficioso para materiales ISO S.



I137 I140 N6



SANDVIK Coromant

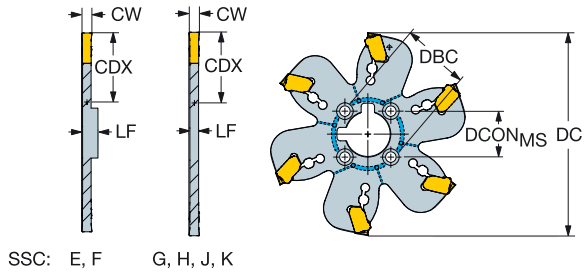
SPA

# Fresa de ranurado y tronzado CoroMill® QD de plaquita intercambiable

**Eje - Suministro de refrigerante interior**

KAPR 90°






SSC: E, F G, H, J, K

| | | | | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CW | DC | CDX | SSC | $CZC_{MS}$ | CNSC | | **Código de pedido** | $DCON_{MS}$ | DBC | LF | DRVCT | BAR | KG | RPMX | MIID |
| 2.00 | 80 | 24.0 | E | X10 | 4 | 5 | **QD-EC080X10-M** | 10.0 | 22.0 | 2.65 | 0 | 50 | 0.12 | 4300 | QD-NE-0200-020E-PM |
| | 100 | 30.0 | E | X22 | 4 | 8 | **QD-EC100X22-M** | 22.0 | 32.0 | 2.65 | 2 | 50 | 0.14 | 3900 | QD-NE-0200-020E-PM |
| | 125 | 31.0 | E | X32 | 4 | 10 | **QD-EC125X32-M** | 32.0 | 45.0 | 2.65 | 2 | 50 | 0.25 | 3500 | QD-NE-0200-020E-PM |
| | 160 | 40.0 | E | X40 | 4 | 12 | **QD-EC160X40-M** | 40.0 | 63.0 | 2.65 | 2 | 50 | 0.32 | 3000 | QD-NE-0200-020E-PM |
| 2.50 | 80 | 24.0 | F | X10 | 4 | 5 | **QD-FC080X10-M** | 10.0 | 22.0 | 2.65 | 0 | 50 | 0.13 | 5000 | QD-NF-0250-020E-PM |
| | 100 | 30.0 | F | X22 | 4 | 8 | **QD-FC100X22-M** | 22.0 | 32.0 | 2.65 | 2 | 50 | 0.15 | 4400 | QD-NF-0250-020E-PM |
| | 125 | 31.0 | F | X32 | 4 | 10 | **QD-FC125X32-M** | 32.0 | 45.0 | 2.65 | 2 | 50 | 0.28 | 4000 | QD-NF-0250-020E-PM |
| | 160 | 40.0 | F | X40 | 4 | 12 | **QD-FC160X40-M** | 40.0 | 63.0 | 2.65 | 2 | 50 | 0.36 | 3500 | QD-NF-0250-020E-PM |
| 3.00 | 80 | 24.0 | G | X10 | 4 | 5 | **QD-GC080X10-M** | 10.0 | 22.0 | 2.70 | 0 | 70 | 0.14 | 6100 | QD-NG-0300-020E-PM |
| | 100 | 30.0 | G | X22 | 4 | 8 | **QD-GC100X22-M** | 22.0 | 32.0 | 2.70 | 2 | 70 | 0.17 | 5500 | QD-NG-0300-020E-PM |
| | 125 | 31.0 | G | X32 | 4 | 10 | **QD-GC125X32-M** | 32.0 | 45.0 | 2.70 | 2 | 70 | 0.30 | 4900 | QD-NG-0300-020E-PM |
| | 160 | 40.0 | G | X40 | 4 | 12 | **QD-GC160X40-M** | 40.0 | 63.0 | 2.70 | 2 | 70 | 0.40 | 4300 | QD-NG-0300-020E-PM |
| 4.00 | 80 | 24.0 | H | X10 | 4 | 4 | **QD-HC080X10-M** | 10.0 | 22.0 | 3.65 | 0 | 70 | 0.14 | 5000 | QD-NH-0400-025E-PM |
| | 100 | 30.0 | H | X22 | 4 | 6 | **QD-HC100X22-M** | 22.0 | 32.0 | 3.65 | 2 | 70 | 0.19 | 4400 | QD-NH-0400-025E-PM |
| | 125 | 31.0 | H | X32 | 4 | 8 | **QD-HC125X32-M** | 32.0 | 45.0 | 3.65 | 2 | 70 | 0.33 | 4000 | QD-NH-0400-025E-PM |
| | 160 | 40.0 | H | X40 | 4 | 12 | **QD-HC160X40-M** | 40.0 | 63.0 | 3.65 | 2 | 70 | 0.48 | 3500 | QD-NH-0400-025E-PM |
| 5.00 | 100 | 30.0 | J | X22 | 4 | 6 | **QD-JC100X22-M** | 22.0 | 32.0 | 4.65 | 2 | 70 | 0.22 | 3800 | QD-NJ-0500-030E-PM |
| | 125 | 31.0 | J | X32 | 4 | 8 | **QD-JC125X32-M** | 32.0 | 45.0 | 4.65 | 2 | 70 | 0.39 | 3400 | QD-NJ-0500-030E-PM |
| | 160 | 40.0 | J | X40 | 4 | 10 | **QD-JC160X40-M** | 40.0 | 63.0 | 4.65 | 2 | 70 | 0.56 | 3000 | QD-NJ-0500-030E-PM |
| 6.00 | 100 | 30.0 | K | X22 | 4 | 6 | **QD-KC100X22-M** | 22.0 | 32.0 | 5.65 | 2 | 70 | 0.24 | 3900 | QD-NK-0600-035E-PM |
| | 125 | 31.0 | K | X32 | 4 | 8 | **QD-KC125X32-M** | 32.0 | 45.0 | 5.65 | 2 | 70 | 0.44 | 3500 | QD-NK-0600-035E-PM |
| | 160 | 40.0 | K | X40 | 4 | 10 | **QD-KC160X40-M** | 40.0 | 63.0 | 5.65 | 2 | 70 | 0.65 | 3000 | QD-NK-0600-035E-PM |

Nota: el acoplamiento X40 usa tornillos con tuerca, incluidos en el adaptador.

| | Piezas de repuesto |
|---|---|
| DC | Tornillo |
| 80.00 | 5513 015-11 |
| 100.00 | 5513 015-10 |
| 125.00 | 5513 015-09 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

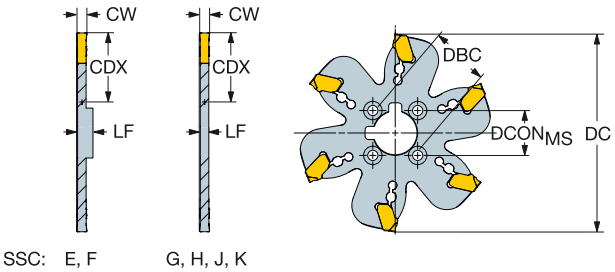
I140 L2 N23 N6 N15

# Fresa de ranurado y tronzado CoroMill® QD de plaquita intercambiable

**En eje**

KAPR 90°






SSC: E, F G, H, J, K

| | | | | | | | | Dimensiones, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CW | DC | CDX | SSC | $CZC_{MS}$ | | | Código de pedido | $DCON_{MS}$ | DBC | LF | DRVCT | KG | RPMX | MIID |
| 2.00 | 80 | 24.0 | E | X10 | 5 | | QD-E-080X10-M | 10.0 | 22.0 | 2.65 | 0 | 0.12 | 4300 | QD-NE-0200-020E-PM |
| | 100 | 30.0 | E | X22 | | 8 | QD-E-100X22-M | 22.0 | 32.0 | 2.65 | 2 | 0.14 | 3900 | QD-NE-0200-020E-PM |
| | 125 | 31.0 | E | X32 | | 10 | QD-E-125X32-M | 32.0 | 45.0 | 2.65 | 2 | 0.25 | 3500 | QD-NE-0200-020E-PM |
| | 160 | 40.0 | E | X40 | 12 | | QD-E-160X40-M | 40.0 | 63.0 | 2.65 | 2 | 0.32 | 3000 | QD-NE-0200-020E-PM |
| | 200 | 60.0 | E | X40 | 16 | | QD-E-200X40-M | 40.0 | 63.0 | 2.65 | 2 | 0.64 | 2700 | QD-NE-0200-020E-PM |
| 2.50 | 80 | 24.0 | F | X10 | | 5 | QD-F-080X10-M | 10.0 | 22.0 | 2.65 | 0 | 0.13 | 5000 | QD-NF-0250-020E-PM |
| | 100 | 30.0 | F | X22 | | 8 | QD-F-100X22-M | 22.0 | 32.0 | 2.65 | 2 | 0.16 | 4400 | QD-NF-0250-020E-PM |
| | 125 | 31.0 | F | X32 | | 10 | QD-F-125X32-M | 32.0 | 45.0 | 2.65 | 2 | 0.28 | 4000 | QD-NF-0250-020E-PM |
| | 160 | 40.0 | F | X40 | 12 | | QD-F-160X40-M | 40.0 | 63.0 | 2.65 | 2 | 0.36 | 3500 | QD-NF-0250-020E-PM |
| | 200 | 60.0 | F | X40 | 16 | | QD-F-200X40-M | 40.0 | 63.0 | 2.65 | 2 | 0.73 | 3100 | QD-NF-0250-020E-PM |
| | 250 | 85.0 | F | X40 | 20 | | QD-F-250X40-M | 40.0 | 63.0 | 2.70 | 2 | 0.98 | 2800 | QD-NF-0250-020E-PM |
| 3.00 | 80 | 24.0 | G | X10 | 5 | | QD-G-080X10-M | 10.0 | 22.0 | 2.70 | 0 | 0.14 | 6100 | QD-NG-0300-020E-PM |
| | 100 | 30.0 | G | X22 | 8 | | QD-G-100X22-M | 22.0 | 32.0 | 2.70 | 2 | 0.17 | 5500 | QD-NG-0300-020E-PM |
| | 125 | 31.0 | G | X32 | 10 | | QD-G-125X32-M | 32.0 | 45.0 | 2.70 | 2 | 0.30 | 4900 | QD-NG-0300-020E-PM |
| | 160 | 40.0 | G | X40 | | 12 | QD-G-160X40-M | 40.0 | 63.0 | 2.70 | 2 | 0.40 | 4300 | QD-NG-0300-020E-PM |
| | 200 | 60.0 | G | X40 | | 16 | QD-G-200X40-M | 40.0 | 63.0 | 2.70 | 2 | 0.79 | 3800 | QD-NG-0300-020E-PM |
| | 250 | 85.0 | G | X40 | 20 | | QD-G-250X40-M | 40.0 | 63.0 | 2.70 | 2 | 1.09 | 3400 | QD-NG-0300-020E-PM |
| | 315 | 117.5 | G | X40 | | 24 | QD-G-315X40-M | 40.0 | 63.0 | 2.70 | 2 | 1.90 | 3100 | QD-NG-0300-020E-PM |
| 4.00 | 80 | 24.0 | H | X10 | 4 | | QD-H-080X10-M | 10.0 | 22.0 | 3.65 | 0 | 0.15 | 5000 | QD-NH-0400-025E-PM |
| | 100 | 30.0 | H | X22 | 6 | | QD-H-100X22-M | 22.0 | 32.0 | 3.65 | 2 | 0.19 | 4400 | QD-NH-0400-025E-PM |
| | 125 | 31.0 | H | X32 | 8 | | QD-H-125X32-M | 32.0 | 45.0 | 3.65 | 2 | 0.34 | 4000 | QD-NH-0400-025E-PM |
| | 160 | 40.0 | H | X40 | 12 | | QD-H-160X40-M | 40.0 | 63.0 | 3.65 | 2 | 0.48 | 3500 | QD-NH-0400-025E-PM |
| | 200 | 60.0 | H | X40 | | 14 | QD-H-200X40-M | 40.0 | 63.0 | 3.65 | 2 | 0.94 | 3100 | QD-NH-0400-025E-PM |
| | 250 | 85.0 | H | X40 | | 20 | QD-H-250X40-M | 40.0 | 63.0 | 3.65 | 2 | 1.41 | 2800 | QD-NH-0400-025E-PM |
| | 315 | 117.5 | H | X40 | | 24 | QD-H-315X40-M | 40.0 | 63.0 | 3.65 | 2 | 2.39 | 2500 | QD-NH-0400-025E-PM |
| 5.00 | 100 | 30.0 | J | X22 | 6 | | QD-J-100X22-M | 22.0 | 32.0 | 4.65 | 2 | 0.22 | 3800 | QD-NJ-0500-030E-PM |
| | 125 | 31.0 | J | X32 | 8 | | QD-J-125X32-M | 32.0 | 45.0 | 4.65 | 2 | 0.39 | 3400 | QD-NJ-0500-030E-PM |
| | 160 | 40.0 | J | X40 | 10 | | QD-J-160X40-M | 40.0 | 63.0 | 4.65 | 2 | 0.55 | 3000 | QD-NJ-0500-030E-PM |
| | 200 | 60.0 | J | X40 | 14 | | QD-J-200X40-M | 40.0 | 63.0 | 4.65 | 2 | 1.10 | 2700 | QD-NJ-0500-030E-PM |
| | 250 | 85.0 | J | X40 | 18 | | QD-J-250X40-M | 40.0 | 63.0 | 4.65 | 2 | 1.62 | 2400 | QD-NJ-0500-030E-PM |
| | 315 | 117.5 | J | X40 | | 24 | QD-J-315X40-M | 40.0 | 63.0 | 4.65 | 2 | 2.85 | 2100 | QD-NJ-0500-030E-PM |
| 6.00 | 100 | 30.0 | K | X22 | | 6 | QD-K-100X22-M | 22.0 | 32.0 | 5.65 | 2 | 0.25 | 3900 | QD-NK-0600-035E-PM |
| | 125 | 31.0 | K | X32 | | 8 | QD-K-125X32-M | 32.0 | 45.0 | 5.65 | 2 | 0.44 | 3500 | QD-NK-0600-035E-PM |
| | 160 | 40.0 | K | X40 | | 10 | QD-K-160X40-M | 40.0 | 63.0 | 5.65 | 2 | 0.65 | 3000 | QD-NK-0600-035E-PM |
| | 200 | 60.0 | K | X40 | | 14 | QD-K-200X40-M | 40.0 | 63.0 | 5.65 | 2 | 1.27 | 2700 | QD-NK-0600-035E-PM |
| | 250 | 85.0 | K | X40 | | 18 | QD-K-250X40-M | 40.0 | 63.0 | 5.65 | 2 | 1.92 | 2400 | QD-NK-0600-035E-PM |
| | 315 | 117.5 | K | X40 | 24 | | QD-K-315X40-M | 40.0 | 63.0 | 5.65 | 2 | 3.32 | 2200 | QD-NK-0600-035E-PM |

Nota: el acoplamiento X40 usa tornillos con tuerca, incluidos en el adaptador.

| | Piezas de repuesto |
|---|---|
| DC | Tornillo |
| 80.00 | 5513 015-11 |
| 100.00 | 5513 015-10 |
| 125.00 | 5513 015-09 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I140 L2 N23 N6

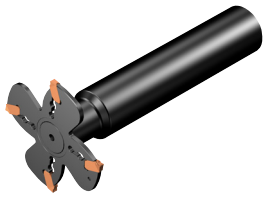


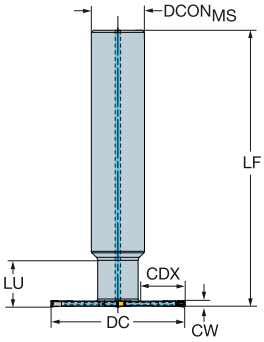
SANDVIK Coromant

# Fresa de ranurado y tronzado CoroMill® QD de plaquita intercambiable

**Mango cilíndrico - Suministro de refrigerante interior**

KAPR 90°

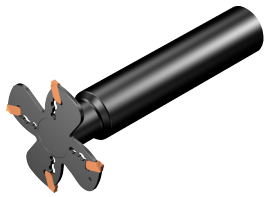


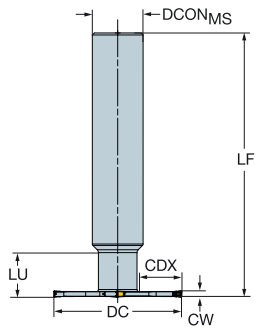



| CW | DC | CDX | SSC | $CZC_{MS}$ | CNSC | | Código de pedido | Dimensiones, mm $DCON_{MS}$ | LF | LU | BAR | KG | RPMX | BD | LB | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.00 | 63 | 21.0 | E | 25 | 4 | 4 | **QD-EC063A25-M** | 25.0 | 130.00 | 23 | 70 | 0.67 | 4900 | 19.0 | 21.8 | QD-NE-0200-020E-PM |
| 2.50 | 63 | 21.0 | F | 25 | 4 | 4 | **QD-FC063A25-M** | 25.0 | 130.00 | 23 | 70 | 0.68 | 5600 | 19.0 | 22.3 | QD-NF-0250-020E-PM |
| 3.00 | 63 | 21.0 | G | 25 | 4 | 4 | **QD-GC063A25-M** | 25.0 | 130.00 | 24 | 70 | 0.68 | 6900 | 19.0 | 22.7 | QD-NG-0300-020E-PM |
| 5.00 | 80 | 26.5 | J | 32 | 4 | 4 | **QD-JC080A32-M** | 32.0 | 130.00 | 26 | 70 | 1.05 | 4200 | 25.0 | 24.7 | QD-NJ-0500-030E-PM |
| 6.00 | 80 | 26.5 | K | 32 | 4 | 4 | **QD-KC080A32-M** | 32.0 | 130.00 | 27 | 70 | 1.06 | 4300 | 25.0 | 25.7 | QD-NK-0600-035E-PM |

**Mango cilíndrico**

KAPR 90°





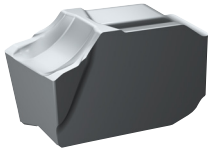

| CW | DC | CDX | SSC | $CZC_{MS}$ | | Código de pedido | Dimensiones, mm $DCON_{MS}$ | LF | LU | KG | RPMX | BD | LB | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.00 | 63 | 21.0 | E | 25 | 4 | **QD-E-063A25-M** | 25.0 | 130.00 | 23 | 0.69 | 4900 | 19.0 | 21.8 | QD-NE-0200-020E-PM |
| 2.50 | 63 | 21.0 | F | 25 | 4 | **QD-F-063A25-M** | 25.0 | 130.00 | 23 | 0.68 | 5600 | 19.0 | 22.3 | QD-NF-0250-020E-PM |
| 3.00 | 63 | 21.0 | G | 25 | 4 | **QD-G-063A25-M** | 25.0 | 130.00 | 24 | 0.70 | 6900 | 19.0 | 22.7 | QD-NG-0300-020E-PM |
| 5.00 | 80 | 26.5 | J | 32 | 4 | **QD-J-080A32-M** | 32.0 | 130.00 | 26 | 1.08 | 4200 | 25.0 | 24.7 | QD-NJ-0500-030E-PM |
| 6.00 | 80 | 26.5 | K | 32 | 4 | **QD-K-080A32-M** | 32.0 | 130.00 | 27 | 1.07 | 4300 | 25.0 | 25.7 | QD-NK-0600-035E-PM |

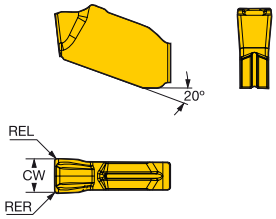
| Piezas de repuesto |
|---|
| Tapón de refrigerante |
| 5643 028-02 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I140 L2 N23 N6 N15

# Plaquita CoroMill® QD para ranurado





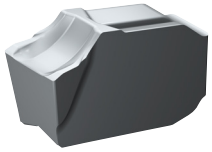

| | SSC | CW | REL | RER | Código de pedido | P 1130 | P 4340 | M 1040 | M 1130 | M 2040 | K 1020 | K 3330 | N 1130 | N H13A | S 1130 | S H13A | S S30T | S S40T | H 1130 | Dimensiones, mm AN | CWTOLL | CWTOLU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | E | 2.00 | 0.10 | 0.10 | QD-NE-0200-010E-NL | | | | | | | | | ★ | | ☆ | | | | 7° | 0.005 | 0.055 |
| | | 2.00 | 0.20 | 0.20 | QD-NE-0200-020E-KL | | | | | | ★ | ☆ | | | | | | | | 7° | 0.005 | 0.055 |
| | | 2.00 | 0.20 | 0.20 | QD-NE-0200-020E-ML | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 2.00 | 0.20 | 0.20 | QD-NE-0200-020E-PL | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 2.00 | 0.20 | 0.20 | QD-NE-0200-020E-SL | | | | ☆ | | | | ☆ | | ☆ | | ★ | | ☆ | 7° | 0.005 | 0.055 |
| | F | 2.39 | 0.10 | 0.10 | QD-NF-0239-010E-NL | | | | | | | | | ★ | | ☆ | | | | 7° | 0.005 | 0.055 |
| | | 2.39 | 0.20 | 0.20 | QD-NF-0239-020E-KL | | | | | | ★ | ☆ | | | | | | | | 7° | 0.005 | 0.055 |
| | | 2.39 | 0.20 | 0.20 | QD-NF-0239-020E-ML | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 2.39 | 0.20 | 0.20 | QD-NF-0239-020E-PL | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 2.39 | 0.20 | 0.20 | QD-NF-0239-020E-SL | | | | ☆ | | | | ☆ | | ☆ | | ★ | | ☆ | 7° | 0.005 | 0.055 |
| | | 2.50 | 0.10 | 0.10 | QD-NF-0250-010E-NL | | | | | | | | | ★ | | ☆ | | | | 7° | 0.005 | 0.055 |
| | | 2.50 | 0.20 | 0.20 | QD-NF-0250-020E-KL | | | | | | ★ | ☆ | | | | | | | | 7° | 0.005 | 0.055 |
| | | 2.50 | 0.20 | 0.20 | QD-NF-0250-020E-ML | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 2.50 | 0.20 | 0.20 | QD-NF-0250-020E-PL | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 2.50 | 0.20 | 0.20 | QD-NF-0250-020E-SL | | | | ☆ | | | | ☆ | | ☆ | | ★ | | ☆ | 7° | 0.005 | 0.055 |
| | G | 3.00 | 0.10 | 0.10 | QD-NG-0300-010E-NL | | | | | | | | | ★ | | ☆ | | | | 7° | 0.005 | 0.055 |
| | | 3.00 | 0.20 | 0.20 | QD-NG-0300-020E-KL | | | | | | ★ | ☆ | | | | | | | | 7° | 0.005 | 0.055 |
| | | 3.00 | 0.20 | 0.20 | QD-NG-0300-020E-ML | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 3.00 | 0.20 | 0.20 | QD-NG-0300-020E-PL | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 3.00 | 0.20 | 0.20 | QD-NG-0300-020E-SL | | | | ☆ | | | | ☆ | | ☆ | | ★ | | ☆ | 7° | 0.005 | 0.055 |
| | | 3.18 | 0.10 | 0.10 | QD-NG-0318-010E-NL | | | | | | | | | ★ | | ☆ | | | | 7° | 0.005 | 0.055 |
| | | 3.18 | 0.20 | 0.20 | QD-NG-0318-020E-KL | | | | | | ★ | ☆ | | | | | | | | 7° | 0.005 | 0.055 |
| | | 3.18 | 0.20 | 0.20 | QD-NG-0318-020E-ML | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 3.18 | 0.20 | 0.20 | QD-NG-0318-020E-PL | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| Ligero | | 3.18 | 0.20 | 0.20 | QD-NG-0318-020E-SL | | | | ☆ | | | | ☆ | | ☆ | | ★ | | ☆ | 7° | 0.005 | 0.055 |
| | H | 4.00 | 0.15 | 0.15 | QD-NH-0400-015E-NL | | | | | | | | | ★ | | ☆ | | | | 7° | 0.005 | 0.055 |
| | | 4.00 | 0.25 | 0.25 | QD-NH-0400-025E-KL | | | | | | ★ | ☆ | | | | | | | | 7° | 0.005 | 0.055 |
| | | 4.00 | 0.25 | 0.25 | QD-NH-0400-025E-ML | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 4.00 | 0.25 | 0.25 | QD-NH-0400-025E-PL | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 4.00 | 0.25 | 0.25 | QD-NH-0400-025E-SL | | | | ☆ | | | | ☆ | | ☆ | | ★ | | ☆ | 7° | 0.005 | 0.055 |
| | J | 4.76 | 0.20 | 0.20 | QD-NJ-0476-020E-NL | | | | | | | | | ★ | | ☆ | | | | 7° | 0.005 | 0.055 |
| | | 4.76 | 0.30 | 0.30 | QD-NJ-0476-030E-KL | | | | | | ★ | ☆ | | | | | | | | 7° | 0.005 | 0.055 |
| | | 4.76 | 0.30 | 0.30 | QD-NJ-0476-030E-ML | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 4.76 | 0.30 | 0.30 | QD-NJ-0476-030E-PL | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 4.76 | 0.30 | 0.30 | QD-NJ-0476-030E-SL | | | | ☆ | | | | ☆ | | ☆ | | ★ | | ☆ | 7° | 0.005 | 0.055 |
| | | 5.00 | 0.20 | 0.20 | QD-NJ-0500-020E-NL | | | | | | | | | ★ | | ☆ | | | | 7° | 0.005 | 0.055 |
| | | 5.00 | 0.30 | 0.30 | QD-NJ-0500-030E-KL | | | | | | ★ | ☆ | | | | | | | | 7° | 0.005 | 0.055 |
| | | 5.00 | 0.30 | 0.30 | QD-NJ-0500-030E-ML | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 5.00 | 0.30 | 0.30 | QD-NJ-0500-030E-PL | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 5.00 | 0.30 | 0.30 | QD-NJ-0500-030E-SL | | | | ☆ | | | | ☆ | | ☆ | | ★ | | ☆ | 7° | 0.005 | 0.055 |
| | K | 6.00 | 0.25 | 0.25 | QD-NK-0600-025E-NL | | | | | | | | | ★ | | ☆ | | | | 7° | 0.005 | 0.055 |
| | | 6.00 | 0.35 | 0.35 | QD-NK-0600-035E-KL | | | | | | ★ | ☆ | | | | | | | | 7° | 0.005 | 0.055 |
| | | 6.00 | 0.35 | 0.35 | QD-NK-0600-035E-ML | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 6.00 | 0.35 | 0.35 | QD-NK-0600-035E-PL | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 6.00 | 0.35 | 0.35 | QD-NK-0600-035E-SL | | | | ☆ | | | | ☆ | | ☆ | | ★ | | ☆ | 7° | 0.005 | 0.055 |
| | | 6.35 | 0.25 | 0.25 | QD-NK-0635-025E-NL | | | | | | | | | ★ | | ☆ | | | | 7° | 0.005 | 0.055 |
| | | 6.35 | 0.35 | 0.35 | QD-NK-0635-035E-KL | | | | | | ★ | ☆ | | | | | | | | 7° | 0.005 | 0.055 |
| | | 6.35 | 0.35 | 0.35 | QD-NK-0635-035E-ML | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 6.35 | 0.35 | 0.35 | QD-NK-0635-035E-PL | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 6.35 | 0.35 | 0.35 | QD-NK-0635-035E-SL | | | | ☆ | | | | ☆ | | ☆ | | ★ | | ☆ | 7° | 0.005 | 0.055 |

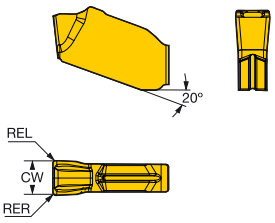
I137 I154 I175 N23 N6 N10



SANDVIK Coromant

# Plaquita CoroMill® QD para ranurado






| | SSC | CW | REL | RER | Código de pedido | P 1130 | P 4340 | M 1040 | M 1130 | M 2040 | K 1020 | K 3330 | N 1130 | N H13A | S 1130 | S H13A | S S30T | S S40T | H 1130 | Dimensiones, mm AN | CWTOLL | CWTOLU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Medio | E | 2.00 | 0.20 | 0.20 | QD-NE-0200-020E-MM | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 2.00 | 0.20 | 0.20 | QD-NE-0200-020E-PM | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 2.00 | 0.20 | 0.20 | QD-NE-0200-020E-SM | | | | ☆ | | | | ☆ | | ☆ | | ★ | ☆ | ☆ | 7° | 0.005 | 0.055 |
| | | 2.00 | 0.20 | 0.20 | QD-NE-0200-020M-PM | ☆ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | | 2.00 | 0.35 | 0.35 | QD-NE-0200-035M-KM | | | | | | ☆ | ★ | | | | | | | | 7° | 0.005 | 0.105 |
| | F | 2.39 | 0.20 | 0.20 | QD-NF-0239-020E-MM | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 2.39 | 0.20 | 0.20 | QD-NF-0239-020E-PM | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 2.39 | 0.20 | 0.20 | QD-NF-0239-020E-SM | | | | ☆ | | | | ☆ | | ☆ | | ★ | ☆ | ☆ | 7° | 0.005 | 0.055 |
| | | 2.39 | 0.20 | 0.20 | QD-NF-0239-020M-PM | ☆ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | | 2.39 | 0.35 | 0.35 | QD-NF-0239-035M-KM | | | | | | ☆ | ★ | | | | | | | | 7° | 0.005 | 0.105 |
| | | 2.50 | 0.20 | 0.20 | QD-NF-0250-020E-MM | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 2.50 | 0.20 | 0.20 | QD-NF-0250-020E-PM | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 2.50 | 0.20 | 0.20 | QD-NF-0250-020E-SM | | | | ☆ | | | | ☆ | | ☆ | | ★ | ☆ | ☆ | 7° | 0.005 | 0.055 |
| | | 2.50 | 0.20 | 0.20 | QD-NF-0250-020M-PM | ☆ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | | 2.50 | 0.35 | 0.35 | QD-NF-0250-035M-KM | | | | | | ☆ | ★ | | | | | | | | 7° | 0.005 | 0.105 |
| | G | 3.00 | 0.20 | 0.20 | QD-NG-0300-020E-MM | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 3.00 | 0.20 | 0.20 | QD-NG-0300-020E-PM | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 3.00 | 0.20 | 0.20 | QD-NG-0300-020E-SM | | | | ☆ | | | | ☆ | | ☆ | | ★ | ☆ | ☆ | 7° | 0.005 | 0.055 |
| | | 3.00 | 0.20 | 0.20 | QD-NG-0300-020M-PM | ☆ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | | 3.00 | 0.35 | 0.35 | QD-NG-0300-035M-KM | | | | | | ☆ | ★ | | | | | | | | 7° | 0.005 | 0.105 |
| | | 3.18 | 0.20 | 0.20 | QD-NG-0318-020E-MM | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 3.18 | 0.20 | 0.20 | QD-NG-0318-020E-PM | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 3.18 | 0.20 | 0.20 | QD-NG-0318-020E-SM | | | | ☆ | | | | ☆ | | ☆ | | ★ | ☆ | ☆ | 7° | 0.005 | 0.055 |
| | | 3.18 | 0.20 | 0.20 | QD-NG-0318-020M-PM | ☆ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | | 3.18 | 0.35 | 0.35 | QD-NG-0318-035M-KM | | | | | | ☆ | ★ | | | | | | | | 7° | 0.005 | 0.105 |
| | H | 4.00 | 0.25 | 0.25 | QD-NH-0400-025E-MM | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 4.00 | 0.25 | 0.25 | QD-NH-0400-025E-PM | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 4.00 | 0.25 | 0.25 | QD-NH-0400-025E-SM | | | | ☆ | | | | ☆ | | ☆ | | ★ | ☆ | ☆ | 7° | 0.005 | 0.055 |
| | | 4.00 | 0.25 | 0.25 | QD-NH-0400-025M-PM | ☆ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | | 4.00 | 0.40 | 0.40 | QD-NH-0400-040M-KM | | | | | | ☆ | ★ | | | | | | | | 7° | 0.005 | 0.105 |
| | J | 4.76 | 0.30 | 0.30 | QD-NJ-0476-030E-MM | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 4.76 | 0.30 | 0.30 | QD-NJ-0476-030E-PM | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 4.76 | 0.30 | 0.30 | QD-NJ-0476-030E-SM | | | | ☆ | | | | ☆ | | ☆ | | ★ | ☆ | ☆ | 7° | 0.005 | 0.055 |
| | | 4.76 | 0.30 | 0.30 | QD-NJ-0476-030M-PM | ☆ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | | 4.76 | 0.45 | 0.45 | QD-NJ-0476-045M-KM | | | | | | ☆ | ★ | | | | | | | | 7° | 0.005 | 0.105 |
| | | 5.00 | 0.30 | 0.30 | QD-NJ-0500-030E-MM | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 5.00 | 0.30 | 0.30 | QD-NJ-0500-030E-PM | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 5.00 | 0.30 | 0.30 | QD-NJ-0500-030E-SM | | | | ☆ | | | | ☆ | | ☆ | | ★ | ☆ | ☆ | 7° | 0.005 | 0.055 |
| | | 5.00 | 0.30 | 0.30 | QD-NJ-0500-030M-PM | ☆ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | | 5.00 | 0.45 | 0.45 | QD-NJ-0500-045M-KM | | | | | | ☆ | ★ | | | | | | | | 7° | 0.005 | 0.105 |
| | K | 6.00 | 0.35 | 0.35 | QD-NK-0600-035E-MM | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 6.00 | 0.35 | 0.35 | QD-NK-0600-035E-PM | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 6.00 | 0.35 | 0.35 | QD-NK-0600-035E-SM | | | | ☆ | | | | ☆ | | ☆ | | ★ | ☆ | ☆ | 7° | 0.005 | 0.055 |
| | | 6.00 | 0.35 | 0.35 | QD-NK-0600-035M-PM | ☆ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | | 6.00 | 0.50 | 0.50 | QD-NK-0600-050M-KM | | | | | | ☆ | ★ | | | | | | | | 7° | 0.005 | 0.105 |
| | | 6.35 | 0.35 | 0.35 | QD-NK-0635-035E-MM | | | ★ | | ☆ | | | | | | | | | | 7° | 0.005 | 0.055 |
| | | 6.35 | 0.35 | 0.35 | QD-NK-0635-035E-PM | ★ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.055 |
| | | 6.35 | 0.35 | 0.35 | QD-NK-0635-035E-SM | | | | ☆ | | | | ☆ | | ☆ | | ★ | ☆ | ☆ | 7° | 0.005 | 0.055 |
| | | 6.35 | 0.35 | 0.35 | QD-NK-0635-035M-PM | ☆ | ☆ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | | 6.35 | 0.50 | 0.50 | QD-NK-0635-050M-KM | | | | | | ☆ | ★ | | | | | | | | 7° | 0.005 | 0.105 |
| Pesado | E | 2.00 | 0.35 | 0.35 | QD-NE-0200-035M-PH | ☆ | ★ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | F | 2.39 | 0.35 | 0.35 | QD-NF-0239-035M-PH | ☆ | ★ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | | 2.50 | 0.35 | 0.35 | QD-NF-0250-035M-PH | ☆ | ★ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | G | 3.00 | 0.35 | 0.35 | QD-NG-0300-035M-PH | ☆ | ★ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | | 3.18 | 0.35 | 0.35 | QD-NG-0318-035M-PH | ☆ | ★ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | H | 4.00 | 0.40 | 0.40 | QD-NH-0400-040M-PH | ☆ | ★ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | J | 4.76 | 0.45 | 0.45 | QD-NJ-0476-045M-PH | ☆ | ★ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | | 5.00 | 0.45 | 0.45 | QD-NJ-0500-045M-PH | ☆ | ★ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | K | 6.00 | 0.50 | 0.50 | QD-NK-0600-050M-PH | ☆ | ★ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |
| | | 6.35 | 0.50 | 0.50 | QD-NK-0635-050M-PH | ☆ | ★ | | ☆ | | | | ☆ | | ☆ | | | | ☆ | 7° | 0.005 | 0.105 |

# CoroMill® 328

## Ranurado, roscado y ranurado de circlips

### Aplicación

- Fresado de roscas
- Ranurado
- Ranurado de circlips



### Área de aplicación ISO:

P M K N S H

### Ventajas y características

- Plaquitas montadas en alojamientos para una mayor seguridad y estabilidad
- Amplio programa de plaquitas para circlips, ranuras, roscas, etc.
- Plaquita rectificada de gran precisión
- Distintos pasos de rosca con una sola herramienta
- Excelente tanto para mecanizado interior como exterior
- Disponible en cuatro tamaños de portaherramientas con el mismo tamaño de plaquita
- Filos de corte agudos para obtener ranuras de gran calidad sin rebabas
- Una calidad: GC1025 con recubrimiento de PVD para todos los materiales
- Varios filos para un mecanizado económico

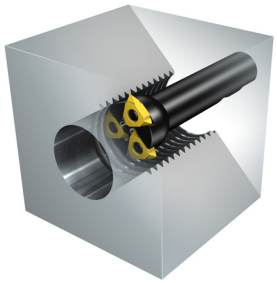
www.sandvik.coromant.com/coromill328

### Acoplamientos

- En eje
- Weldon
- Árbol con chavetero

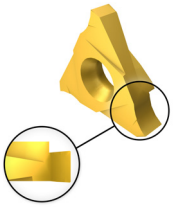
### Plaquitas

- Tres filos de corte

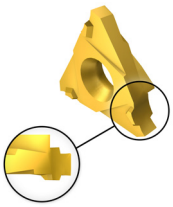


Formas de rosca: perfil en V 60°, M 60° y UN 60°

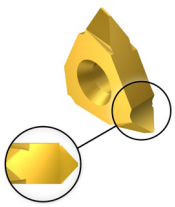
Ranurado de circlips



Ranurado de circlips con chaflán



Fresado de roscas



I143 I144



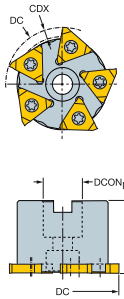
SANDVIK Coromant

# Fresa de ranurado CoroMill® 328

## En eje

STDNO ISO6462
KAPR 90°



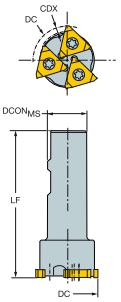



| CW | DC | CDX | ↔ | CZCMS | | Código de pedido | Dimensiones, mm DCONMS | ISO | LF | DHUB | NM | KG | RPMX | BD | LB | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.30 | 63 | 5.0 | 13 | 22 | 5 | 328-063Q22-13M | 22.0 | A | 40.00 | 51.0 | 6.5 | 0.84 | 11900 | 51.0 | 40.0 | 328R13-130 00-GM |

## Weldon

KAPR 90°



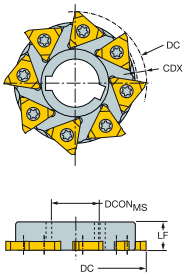



| CW | DC | CDX | ↔ | CZCMS | | Código de pedido | Dimensiones, mm DCONMS | ISO | LF | NM | KG | RPMX | BD | LB | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.30 | 39 | 3.0 | 13 | 25 | 2 | 328-039B25-13M | 25.0 | WE | 125.00 | 6.5 | 0.59 | 19300 | 32.0 | 69.0 | 328R13-130 00-GM |
| | 44 | 4.0 | 13 | 25 | 3 | 328-044B25-13M | 25.0 | WE | 125.00 | 6.5 | 0.61 | 17100 | 34.0 | 69.0 | 328R13-130 00-GM |

## Cubo con chavetero

KAPR 90°





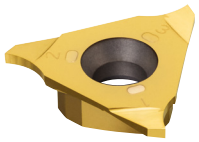

| CW | DC | CDX | ↔ | CZCMS | | Código de pedido | Dimensiones, mm DCONMS | LF | DRVCT | DHUB | NM | KG | RPMX | BD | LB | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.30 | 63 | 5.0 | 13 | 22 | 5 | 328-063S22-13M | 22.0 | 14.00 | 1 | 51.0 | 6.5 | 0.22 | 11900 | 51.0 | 14.0 | 328R13-130 00-GM |
| | 80 | 5.0 | 13 | 27 | 8 | 328-080S27-13M | 27.0 | 16.00 | 1 | 68.0 | 6.5 | 0.64 | 9400 | 68.0 | 16.0 | 328R13-130 00-GM |

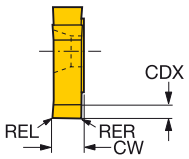
| Piezas de repuesto |
|---|
| Tornillo de plaquita |
| 5513 039-05 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

I144 L2 M1 N23 N12

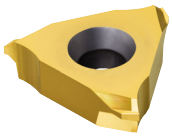
# Plaquita CoroMill® 328 para fresado de ranuras

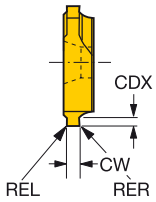





## Para ranuras circlip

| | SSC | CW | REL | RER | CDX | Código de pedido | P 1025 | M 1025 | K 1025 | N 1025 | S 1025 | H 1025 | Dimensiones, mm AN | CWTOLL | CWTOLU | RETOLL | RETOLU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Medio | 13 | 1.30 | 0.10 | 0.10 | 5.00 | 328R13-130 00-GM | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |
| | | 1.60 | 0.10 | 0.10 | 5.00 | 328R13-160 00-GM | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |
| | | 1.85 | 0.15 | 0.15 | 5.00 | 328R13-185 02-GM | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |
| | | 2.15 | 0.15 | 0.15 | 5.00 | 328R13-215 02-GM | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |
| | | 2.65 | 0.15 | 0.15 | 5.00 | 328R13-265 02-GM | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |
| | | 3.15 | 0.15 | 0.15 | 5.00 | 328R13-315 02-GM | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |
| | | 4.15 | 0.15 | 0.15 | 5.00 | 328R13-415 02-GM | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |
| | | 5.15 | 0.15 | 0.15 | 5.00 | 328R13-515 02-GM | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |






## Para ranuras circlip y achaflanado

| | SSC | CW | REL | RER | CDX | Código de pedido | P 1025 | M 1025 | K 1025 | N 1025 | S 1025 | H 1025 | Dimensiones, mm AN | CWTOLL | CWTOLU | RETOLL | RETOLU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Medio | 13 | 1.85 | 0.15 | 0.15 | 1.25 | 328R13-185 45-GC | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |
| | | 2.15 | 0.15 | 0.15 | 1.50 | 328R13-215 45-GC | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |
| | | 2.65 | 0.15 | 0.15 | 1.50 | 328R13-265 4515-GC | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |
| | | 2.65 | 0.15 | 0.15 | 1.75 | 328R13-265 45-GC | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |
| | | 3.15 | 0.15 | 0.15 | 1.75 | 328R13-315 45-GC | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |
| | | 4.15 | 0.15 | 0.15 | 2.00 | 328R13-415 4520-GC | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |
| | | 4.15 | 0.15 | 0.15 | 2.50 | 328R13-415 45-GC | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |
| | | 5.15 | 0.15 | 0.15 | 3.00 | 328R13-515 45-GC | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 6° | 0.090 | 0.110 | -0.050 | 0.050 |

I143 I154 I175 N23 N12



SANDVIK Coromant

# CoroMill® 327

## Fresas de roscar y ranurar

### Aplicación

- Fresado de roscas
- Fresado de ranuras
- Ranurado de circlips
- Achaflanado



### Área de aplicación ISO:

P M K N S

### Ventajas y características

- Fuerzas de corte bajas
- Filos de corte agudos para obtener ranuras de gran calidad sin rebabas
- Varios filos para un mecanizado muy productivo y rentable
- Amplia gama de mangos de distinta longitud y diámetro
- Extensa gama de plaquitas para, por ejemplo, circlips, juntas tóricas, ranuras y roscas
- Bloqueo seguro de la plaquita
- Refrigerante interior
- Distintos pasos de rosca con una sola herramienta

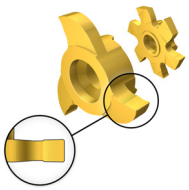
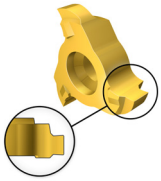
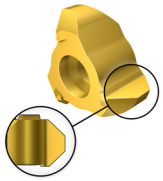
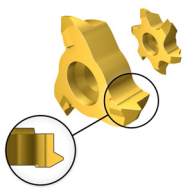
www.sandvik.coromant.com/coromill327

### Acoplamientos

- Coromant Capto®
- Pinzas ER integradas
- Mangos de metal duro enterizos o acero Weldon

### Plaquitas

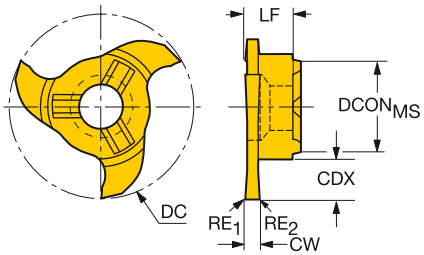
- Geometrías de plaquita y una calidad para todos los materiales
- Plaquita rectificada de gran precisión
- Tres o seis dientes
- Formas de rosca: perfil en V 60°, M 60°, UN 60° y Whitworth 55°

| ?Ranurado y ranurado de circlips | Ranurado de circlips con chaflán | Ranurado de radio completo | Fresado de chaflanes | Fresado de roscas |
|---|---|---|---|---|
|  |  |  |  |  |

I146

# Cabeza de metal duro integral CoroMill® 327 para ranurado



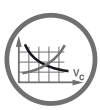



| CW | RE$_1$ | RE$_2$ | CZC$_{MS}$ | CDX | ZEFP | Código de pedido | P 1025 | M 1025 | K 1025 | N 1025 | S 1025 | DCON$_{MS}$ | DC | LF | CWTOLL | CWTOLU | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Dimensiones, mm | | | | | |
| 1.00 | 0.00 | 0.00 | 6.0 | 1.5 | 3 | 327R06-10 10000-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 9.70 | 3.50 | 0.000 | 0.020 | 50000 |
| 1.50 | 0.20 | 0.20 | 6.0 | 1.5 | 3 | 327R06-10 15002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 9.70 | 3.50 | 0.000 | 0.020 | 50000 |
| 2.00 | 0.20 | 0.20 | 6.0 | 1.5 | 3 | 327R06-10 20002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 9.70 | 3.50 | 0.000 | 0.020 | 50000 |
| 2.50 | 0.20 | 0.20 | 6.0 | 1.5 | 3 | 327R06-10 25002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 9.70 | 3.50 | 0.000 | 0.020 | 50000 |
| 1.50 | 0.10 | 0.10 | 9.0 | 3.5 | 6 | 327R09-18 15001-GMM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 17.70 | 5.75 | 0.000 | 0.020 | 50000 |
| 1.50 | 0.20 | 0.20 | 9.0 | 3.5 | 3 | 327R09-18 15002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 17.70 | 5.75 | 0.000 | 0.020 | 50000 |
| 2.00 | 0.20 | 0.20 | 9.0 | 3.5 | 3 | 327R09-18 20002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 17.70 | 5.75 | 0.000 | 0.020 | 50000 |
| 2.00 | 0.20 | 0.20 | 9.0 | 3.5 | 6 | 327R09-18 20002-GMM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 17.70 | 5.75 | 0.000 | 0.020 | 50000 |
| 2.50 | 0.20 | 0.20 | 9.0 | 3.5 | 3 | 327R09-18 25002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 17.70 | 5.75 | 0.000 | 0.020 | 50000 |
| 2.50 | 0.20 | 0.20 | 9.0 | 3.5 | 6 | 327R09-18 25002-GMM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 17.70 | 5.75 | 0.000 | 0.020 | 50000 |
| 3.00 | 0.20 | 0.20 | 9.0 | 3.5 | 3 | 327R09-18 30002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 17.70 | 5.75 | 0.000 | 0.020 | 50000 |
| 3.00 | 0.20 | 0.20 | 9.0 | 3.5 | 6 | 327R09-18 30002-GMM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 17.70 | 5.75 | 0.000 | 0.020 | 50000 |
| 1.50 | 0.20 | 0.20 | 12.0 | 4.5 | 3 | 327R12-22 15002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.70 | 0.000 | 0.020 | 50000 |
| 2.00 | 0.20 | 0.20 | 12.0 | 4.5 | 3 | 327R12-22 20002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.70 | 0.000 | 0.020 | 50000 |
| 2.50 | 0.20 | 0.20 | 12.0 | 4.5 | 3 | 327R12-22 25002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.70 | 0.000 | 0.020 | 50000 |
| 3.00 | 0.20 | 0.20 | 12.0 | 4.5 | 3 | 327R12-22 30002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.70 | 0.000 | 0.020 | 50000 |
| 4.00 | 0.20 | 0.20 | 12.0 | 4.5 | 3 | 327R12-22 40002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.70 | 0.000 | 0.020 | 50000 |
| 1.50 | 0.10 | 0.10 | 12.0 | 6.5 | 6 | 327R12-28 15001-GMM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 27.70 | 6.45 | 0.000 | 0.020 | 50000 |
| 2.00 | 0.20 | 0.20 | 12.0 | 6.4 | 6 | 327R12-28 20002-GMM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 27.70 | 6.40 | 0.000 | 0.020 | 50000 |
| 2.50 | 0.20 | 0.20 | 12.0 | 6.5 | 6 | 327R12-28 25002-GMM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 27.70 | 6.25 | 0.000 | 0.020 | 50000 |
| 3.00 | 0.20 | 0.20 | 12.0 | 6.5 | 6 | 327R12-28 30002-GMM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 27.70 | 6.25 | 0.000 | 0.020 | 50000 |
| 4.00 | 0.20 | 0.20 | 12.0 | 6.5 | 6 | 327R12-28 40002-GMM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 27.70 | 6.25 | 0.000 | 0.020 | 50000 |
| 1.50 | 0.00 | 0.00 | 14.0 | 6.5 | 3 | 327R14-28 15000-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 14.30 | 27.70 | 6.50 | 0.000 | 0.020 | 50000 |
| 2.00 | 0.20 | 0.20 | 14.0 | 6.5 | 3 | 327R14-28 20002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 14.30 | 27.70 | 6.50 | 0.000 | 0.020 | 50000 |
| 2.50 | 0.20 | 0.20 | 14.0 | 6.5 | 3 | 327R14-28 25002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 14.30 | 27.70 | 6.50 | 0.000 | 0.020 | 50000 |
| 3.00 | 0.20 | 0.20 | 14.0 | 6.5 | 3 | 327R14-28 30002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 14.30 | 27.70 | 6.50 | 0.000 | 0.020 | 50000 |
| 3.50 | 0.20 | 0.20 | 14.0 | 6.5 | 3 | 327R14-28 35002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 14.30 | 27.70 | 6.50 | 0.000 | 0.020 | 50000 |
| 4.00 | 0.20 | 0.20 | 14.0 | 6.5 | 3 | 327R14-28 40002-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 14.30 | 27.70 | 6.50 | 0.000 | 0.020 | 50000 |
| 1.50 | 0.10 | 0.10 | 14.0 | 10.0 | 6 | 327R14-35 15001-GMM | ☆ | ☆ | ☆ | ☆ | ☆ | 14.30 | 34.70 | 6.25 | 0.000 | 0.020 | 50000 |
| 2.00 | 0.20 | 0.20 | 14.0 | 10.0 | 6 | 327R14-35 20002-GMM | ☆ | ☆ | ☆ | ☆ | ☆ | 14.30 | 34.70 | 6.25 | 0.000 | 0.020 | 50000 |
| 2.50 | 0.20 | 0.20 | 14.0 | 10.0 | 6 | 327R14-35 25002-GMM | ☆ | ☆ | ☆ | ☆ | ☆ | 14.30 | 34.70 | 6.25 | 0.000 | 0.020 | 50000 |
| 3.00 | 0.20 | 0.20 | 14.0 | 10.0 | 6 | 327R14-35 30002-GMM | ☆ | ☆ | ☆ | ☆ | ☆ | 14.30 | 34.70 | 6.25 | 0.000 | 0.020 | 50000 |

## Para ranuras circlip

| CW | RE$_1$ | RE$_2$ | CZC$_{MS}$ | CDX | ZEFP | Código de pedido | P 1025 | M 1025 | K 1025 | N 1025 | S 1025 | DCON$_{MS}$ | DC | LF | CWTOLL | CWTOLU | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | Dimensiones, mm | | | | | |
| 0.70 | 0.00 | 0.00 | 6.0 | 1.5 | 3 | 327R06-10 07000-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 9.70 | 3.50 | 0.050 | 0.070 | 50000 |
| 0.80 | 0.00 | 0.00 | 6.0 | 1.5 | 3 | 327R06-10 08000-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 9.70 | 3.50 | 0.050 | 0.070 | 50000 |
| 0.90 | 0.00 | 0.00 | 6.0 | 1.5 | 3 | 327R06-10 09000-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 9.70 | 3.50 | 0.050 | 0.070 | 50000 |
| 1.10 | 0.00 | 0.00 | 6.0 | 1.5 | 3 | 327R06-10 11000-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 9.70 | 3.50 | 0.090 | 0.110 | 50000 |
| 1.30 | 0.00 | 0.00 | 6.0 | 1.5 | 3 | 327R06-10 13000-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 9.70 | 3.50 | 0.090 | 0.110 | 50000 |
| 1.60 | 0.00 | 0.00 | 6.0 | 1.5 | 3 | 327R06-10 16000-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 9.70 | 3.50 | 0.090 | 0.110 | 50000 |
| 1.10 | 0.00 | 0.00 | 9.0 | 3.5 | 3 | 327R09-18 11000-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 17.70 | 5.75 | 0.090 | 0.110 | 50000 |
| 1.30 | 0.00 | 0.00 | 9.0 | 3.5 | 3 | 327R09-18 13000-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 17.70 | 5.75 | 0.090 | 0.110 | 50000 |
| 1.60 | 0.00 | 0.00 | 9.0 | 3.5 | 3 | 327R09-18 16000-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 17.70 | 5.75 | 0.090 | 0.110 | 50000 |
| 1.60 | 0.00 | 0.00 | 12.0 | 4.5 | 3 | 327R12-22 16000-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.70 | 0.090 | 0.110 | 50000 |
| 1.85 | 0.15 | 0.15 | 12.0 | 4.5 | 3 | 327R12-22 18502-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.70 | 0.090 | 0.110 | 50000 |
| 2.15 | 0.20 | 0.20 | 12.0 | 4.5 | 3 | 327R12-22 21502-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.70 | 0.090 | 0.110 | 50000 |
| 2.65 | 0.15 | 0.15 | 12.0 | 4.5 | 3 | 327R12-22 26502-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.70 | 0.090 | 0.110 | 50000 |
| 3.15 | 0.15 | 0.15 | 12.0 | 4.5 | 3 | 327R12-22 31502-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.70 | 0.090 | 0.110 | 50000 |
| 4.15 | 0.15 | 0.15 | 12.0 | 4.5 | 3 | 327R12-22 41502-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.70 | 0.090 | 0.110 | 50000 |
| 5.15 | 0.15 | 0.15 | 12.0 | 4.5 | 3 | 327R12-22 51502-GM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.70 | 0.090 | 0.110 | 50000 |


L2


I154



I175



N23



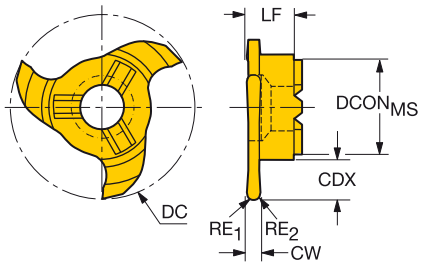
N11



SANDVIK Coromant

# Cabeza de metal duro integral CoroMill® 327 para ranurado

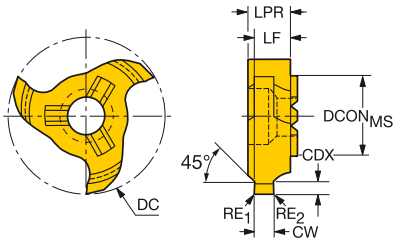





## Para ranuras de radio completo

| | | | | | | | P | M | K | N | S | Dimensiones, mm | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CW | $RE_1$ | $RE_2$ | $CZC_{MS}$ | CDX | ZEFP | Código de pedido | 1025 | 1025 | 1025 | 1025 | 1025 | $DCON_{MS}$ | DC | LF | CWTOLL | CWTOLU | RPMX |
| 2.20 | 1.10 | 1.10 | 6.0 | 2.5 | 3 | 327R06-12 22011-RM | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 11.70 | 3.50 | 0.000 | 0.030 | 50000 |
| 2.20 | 1.10 | 1.10 | 9.0 | 3.5 | 3 | 327R09-18 22011-RM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 17.70 | 5.75 | 0.000 | 0.030 | 50000 |
| 1.00 | 0.50 | 0.50 | 12.0 | 4.5 | 3 | 327R12-22 10005-RM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.75 | 0.000 | 0.030 | 50000 |
| 2.00 | 1.00 | 1.00 | 12.0 | 4.5 | 3 | 327R12-22 20010-RM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.75 | 0.000 | 0.030 | 50000 |
| 3.00 | 1.50 | 1.50 | 12.0 | 4.5 | 3 | 327R12-22 30015-RM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.75 | 0.000 | 0.030 | 50000 |
| 4.00 | 2.00 | 2.00 | 12.0 | 4.5 | 3 | 327R12-22 40020-RM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.75 | 0.000 | 0.030 | 50000 |





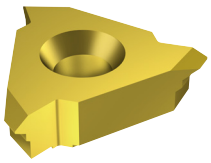

## Ranuras circlip con chaflán

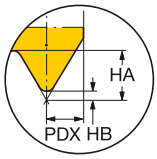
| | | | | | | | P | M | K | N | S | Dimensiones, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CW | $RE_1$ | $RE_2$ | $CZC_{MS}$ | CDX | ZEFP | Código de pedido | 1025 | 1025 | 1025 | 1025 | 1025 | $DCON_{MS}$ | DC | LF | LPR | CWTOLL | CWTOLU | RPMX |
| 1.10 | 0.00 | 0.00 | 12.0 | 0.5 | 3 | 327R12-22 11045-GC | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.00 | 5.80 | 0.090 | 0.110 | 50000 |
| 1.30 | 0.00 | 0.00 | 12.0 | 0.7 | 3 | 327R12-22 13045-GC | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.20 | 5.80 | 0.090 | 0.110 | 50000 |
| 1.60 | 0.00 | 0.00 | 12.0 | 1.0 | 3 | 327R12-22 16045-GC | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.00 | 5.80 | 0.090 | 0.110 | 50000 |
| 1.85 | 0.15 | 0.15 | 12.0 | 1.3 | 3 | 327R12-22 18545-GC | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.20 | 5.80 | 0.090 | 0.110 | 50000 |
| 2.15 | 0.15 | 0.15 | 12.0 | 1.5 | 3 | 327R12-22 21545-GC | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.30 | 5.85 | 0.090 | 0.110 | 50000 |
| 2.65 | 0.15 | 0.15 | 12.0 | 1.5 | 3 | 327R12-22 26545-GC | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.00 | 5.80 | 0.090 | 0.110 | 50000 |
| 3.15 | 0.20 | 0.20 | 12.0 | 1.8 | 3 | 327R12-22 31545-GC | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.30 | 5.80 | 0.090 | 0.110 | 50000 |
| 4.15 | 0.20 | 0.20 | 12.0 | 2.0 | 3 | 327R12-22 41545-GC | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.30 | 5.85 | 0.090 | 0.110 | 50000 |
| 1.30 | 0.00 | 0.00 | 12.0 | 0.8 | 3 | 327R12-221304508-GC | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.20 | 5.80 | 0.090 | 0.110 | 50000 |
| 1.60 | 0.00 | 0.00 | 12.0 | 0.8 | 3 | 327R12-221604508-GC | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.00 | 5.80 | 0.090 | 0.110 | 50000 |
| 2.65 | 0.15 | 0.15 | 12.0 | 1.8 | 3 | 327R12-222654518-GC | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.00 | 5.80 | 0.090 | 0.110 | 50000 |
| 4.15 | 0.20 | 0.20 | 12.0 | 2.5 | 3 | 327R12-224154525-GC | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 21.70 | 5.30 | 5.85 | 0.090 | 0.110 | 50000 |

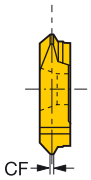
L2 I154 I175 N23 N11

# Plaquita CoroMill® 328 para fresado de roscas

**Para roscas interiores**






## Métrico 60° Perfil completo

| SSC | TP | NT | Código de pedido | P 1025 | M 1025 | K 1025 | N 1025 | S 1025 | H 1025 | Dimensiones, mm CF | HA | HB | PDX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 1.50 | 1 | 328R13-150 MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 0.2 | 0.97 | 0.16 | 0.85 |
| | 2.00 | 1 | 328R13-200 MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 0.3 | 1.30 | 0.22 | 1.05 |
| | 3.00 | 1 | 328R13-300 MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 0.4 | 1.95 | 0.32 | 1.35 |
| | 3.50 | 1 | 328R13-350 MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 0.4 | 2.27 | 0.38 | 1.55 |
| | 4.00 | 1 | 328R13-400 MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 0.5 | 2.60 | 0.43 | 1.75 |
| | 4.50 | 1 | 328R13-450 MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 0.6 | 2.92 | 0.49 | 1.95 |
| | 5.00 | 1 | 328R13-500 MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 0.6 | 3.25 | 0.54 | 2.05 |
| | 5.50 | 1 | 328R13-550 MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 0.7 | 3.57 | 0.60 | 2.30 |
| | 6.00 | 1 | 328R13-600 MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 0.8 | 3.90 | 0.65 | 2.45 |

## UN 60° Perfil completo

| SSC | TPI | NT | Código de pedido | P 1025 | M 1025 | K 1025 | N 1025 | S 1025 | H 1025 | Dimensiones, mm CF | HA | HB | PDX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 16.0 | 1 | 328R13-16 UN-TH | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 0.2 | 1.02 | 0.16 | 0.80 |
| | 12.0 | 1 | 328R13-12 UN-TH | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 0.3 | 1.38 | 0.23 | 1.00 |
| | 8.0 | 1 | 328R13-08 UN-TH | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 0.4 | 2.06 | 0.34 | 1.40 |
| | 4.0 | 1 | 328R13-04 UN-TH | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 0.8 | 4.12 | 0.68 | 2.55 |

## Perfil en V 60°

| SSC | TPN | TPX | TPIN | TPIX | NT | Código de pedido | P 1025 | M 1025 | K 1025 | N 1025 | S 1025 | H 1025 | Dimensiones, mm CF | HA | HB | PDX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 1.5 | 3.5 | 7.0 | 16.0 | 1 | 328R13-150 VM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 0.2 | 2.31 | 0.13 | 1.95 |
| | 4.0 | 6.0 | 4.0 | 6.0 | 1 | 328R13-400 VM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | 0.5 | 4.06 | 0.41 | 2.60 |

I143 I154 I175 N23 N12



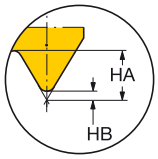
SANDVIK Coromant

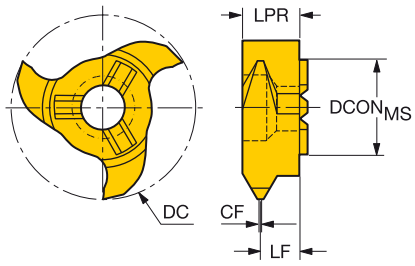
SPA

# Cabeza de metal duro integral CoroMill® 327 para fresado de roscas

**Para roscas interiores**



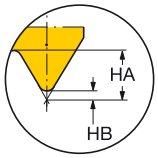


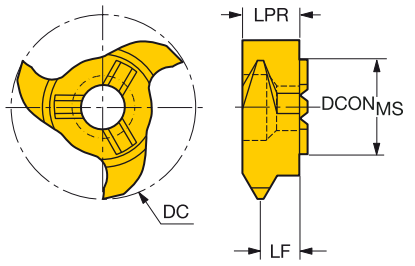




## Perfil en V 60° Sin rectificación periférica

| TPN | TPX | TPIN | TPIX | DC | $CZC_{MS}$ | ZEFP | Código de pedido | P 1025 | M 1025 | K 1025 | N 1025 | S 1025 | $DCON_{MS}$ | CF | HA | HB | LF | LPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.0 | 2.0 | 12.0 | 24.0 | 11.70 | 6.0 | 3 | 327R06-12 100VM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 0.1 | 1.36 | 0.11 | 2.8 | 3.60 |
| 1.0 | 2.0 | 12.0 | 24.0 | 17.70 | 9.0 | 3 | 327R09-18 100VM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 0.1 | 1.30 | 0.11 | 4.7 | 5.85 |
| 1.0 | 2.0 | 12.0 | 24.0 | 17.70 | 9.0 | 6 | 327R09-18 100VM-THM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 0.1 | 1.30 | 0.11 | 5.0 | 5.85 |
| 1.0 | 2.0 | 12.0 | 24.0 | 21.70 | 12.0 | 3 | 327R12-22 100VM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 0.1 | 1.30 | 0.11 | 4.6 | 5.80 |
| 1.0 | 2.0 | 12.0 | 24.0 | 21.70 | 12.0 | 6 | 327R12-22 100VM-THM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 0.1 | 1.36 | 0.11 | 5.1 | 6.35 |
| 2.5 | 3.0 | 8.0 | 10.0 | 11.70 | 6.0 | 3 | 327R06-12 250VM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 0.3 | 2.00 | 0.22 | 2.2 | 3.60 |
| 2.5 | 3.5 | 7.0 | 10.0 | 17.70 | 9.0 | 3 | 327R09-18 250VM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 0.3 | 2.88 | 0.22 | 4.2 | 5.85 |
| 2.5 | 3.5 | 7.0 | 10.0 | 17.70 | 9.0 | 6 | 327R09-18 250VM-THM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 0.3 | 2.88 | 0.22 | 4.3 | 5.85 |
| 2.5 | 4.5 | 5.0 | 10.0 | 21.70 | 12.0 | 3 | 327R12-22 250VM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 0.3 | 2.92 | 0.22 | 3.7 | 5.60 |
| 2.5 | 4.5 | 5.0 | 10.0 | 21.70 | 12.0 | 6 | 327R12-22 250VM-THM | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 0.3 | 2.92 | 0.22 | 4.2 | 6.05 |





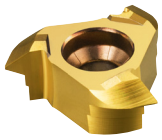

## Métrico 60° Perfil completo

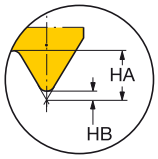
| TP | DC | $CZC_{MS}$ | ZEFP | Código de pedido | P 1025 | M 1025 | K 1025 | N 1025 | S 1025 | $DCON_{MS}$ | HA | HB | LF | LPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.50 | 17.70 | 9.0 | 3 | 327R09-18 150MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 0.97 | 0.16 | 4.8 | 5.85 |
| 1.50 | 17.70 | 9.0 | 6 | 327R09-18 150MM-THM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 0.97 | 0.16 | 5.0 | 5.85 |
| 2.00 | 17.70 | 9.0 | 3 | 327R09-18 200MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.30 | 0.22 | 4.6 | 5.85 |
| 2.00 | 17.70 | 9.0 | 6 | 327R09-18 200MM-THM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.30 | 0.22 | 4.8 | 5.85 |
| 3.00 | 17.70 | 9.0 | 3 | 327R09-18 300MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.95 | 0.32 | 4.3 | 5.85 |
| 3.00 | 17.70 | 9.0 | 6 | 327R09-18 300MM-THM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.95 | 0.32 | 4.6 | 5.85 |
| 3.50 | 17.70 | 9.0 | 3 | 327R09-18 350MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 2.27 | 0.38 | 4.0 | 5.85 |
| 3.50 | 17.70 | 9.0 | 6 | 327R09-18 350MM-THM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 2.27 | 0.38 | 4.0 | 5.85 |
| 1.50 | 21.70 | 12.0 | 3 | 327R12-22 150MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 0.97 | 0.16 | 4.8 | 5.80 |
| 1.75 | 21.70 | 12.0 | 3 | 327R12-22 175MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 1.14 | 0.19 | 4.7 | 5.80 |
| 2.00 | 21.70 | 12.0 | 3 | 327R12-22 200MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 1.30 | 0.22 | 4.6 | 5.80 |
| 3.00 | 21.70 | 12.0 | 3 | 327R12-22 300MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 1.95 | 0.32 | 4.3 | 5.80 |
| 3.50 | 21.70 | 12.0 | 3 | 327R12-22 350MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 2.27 | 0.38 | 4.0 | 5.80 |
| 4.00 | 21.70 | 12.0 | 3 | 327R12-22 400MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 2.60 | 0.43 | 3.9 | 5.80 |
| 4.50 | 21.70 | 12.0 | 3 | 327R12-22 450MM-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 12.00 | 2.92 | 0.49 | 3.7 | 5.70 |

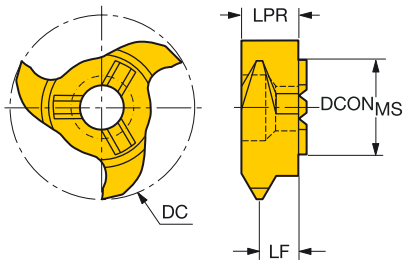
L2 I154 I175 N23 N11

# Cabeza de metal duro integral CoroMill® 327 para fresado de roscas

**Para roscas interiores**



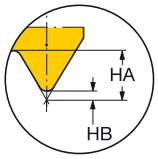


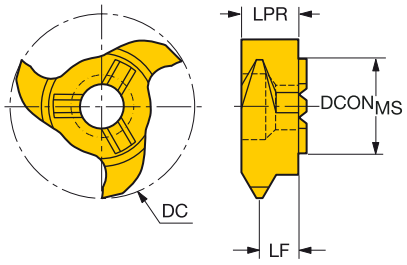




**UN 60° Perfil completo**

| TPI | DC | $CZC_{MS}$ | APMX | ZEFP | Código de pedido | P 1025 | M 1025 | K 1025 | N 1025 | S 1025 | Dimensiones, mm $DCON_{MS}$ | HA | HB | LF | LPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 17.70 | 9.0 | 0.69 | 3 | 327R09-18 20UN-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 0.82 | 0.14 | 5.2 | 5.85 |
| 18 | 17.70 | 9.0 | 0.76 | 3 | 327R09-18 18UN-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 0.92 | 0.15 | 5.0 | 5.85 |
| 16 | 17.70 | 9.0 | 0.86 | 3 | 327R09-18 16UN-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.03 | 0.17 | 5.0 | 5.85 |
| 16 | 17.70 | 9.0 | 0.86 | 6 | 327R09-18 16UN-THM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.03 | 0.17 | 5.0 | 5.85 |
| 14 | 17.70 | 9.0 | 0.99 | 3 | 327R09-18 14UN-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.18 | 0.20 | 5.0 | 5.85 |
| 14 | 17.70 | 9.0 | 0.99 | 6 | 327R09-18 14UN-THM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.18 | 0.20 | 5.0 | 5.85 |
| 12 | 17.70 | 9.0 | 1.14 | 3 | 327R09-18 12UN-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.37 | 0.23 | 4.9 | 5.85 |
| 12 | 17.70 | 9.0 | 1.14 | 6 | 327R09-18 12UN-THM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.37 | 0.23 | 4.9 | 5.85 |
| 11 | 17.70 | 9.0 | 1.24 | 3 | 327R09-18 11UN-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.50 | 0.25 | 4.8 | 5.85 |
| 11 | 17.70 | 9.0 | 1.24 | 6 | 327R09-18 11UN-THM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.50 | 0.25 | 4.8 | 5.85 |
| 10 | 17.70 | 9.0 | 1.37 | 3 | 327R09-18 10UN-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.65 | 0.27 | 4.7 | 5.85 |
| 8 | 17.70 | 9.0 | 1.73 | 3 | 327R09-18 08UN-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 2.06 | 0.34 | 4.4 | 5.85 |
| 8 | 17.70 | 9.0 | 1.73 | 6 | 327R09-18 08UN-THM | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 2.06 | 0.34 | 4.4 | 5.85 |





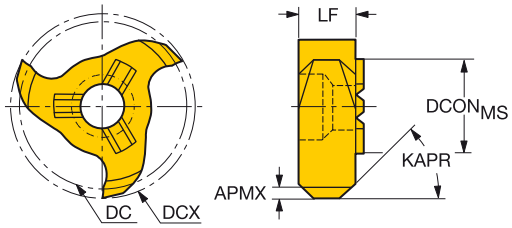




**Whitworth 55° Forma completa**

| TPI | DC | $CZC_{MS}$ | ZEFP | Código de pedido | P 1025 | M 1025 | K 1025 | N 1025 | S 1025 | Dimensiones, mm $DCON_{MS}$ | HA | HB | LF | LPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 11.70 | 6.0 | 3 | 327R06-12 19WH-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 1.07 | 0.21 | 2.5 | 3.60 |
| 19 | 17.70 | 9.0 | 3 | 327R09-18 19WH-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.07 | 0.21 | 4.9 | 5.85 |
| 14 | 11.70 | 6.0 | 3 | 327R06-12 14WH-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 1.45 | 0.29 | 2.3 | 3.60 |
| 14 | 17.70 | 9.0 | 3 | 327R09-18 14WH-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.45 | 0.29 | 4.6 | 5.85 |
| 11 | 11.70 | 6.0 | 3 | 327R06-12 11WH-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 6.00 | 1.85 | 0.37 | 2.0 | 3.60 |
| 11 | 17.70 | 9.0 | 3 | 327R09-18 11WH-TH | ☆ | ☆ | ☆ | ☆ | ☆ | 9.00 | 1.85 | 0.37 | 4.4 | 5.85 |

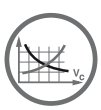
# Cabeza de metal duro integral CoroMill® 327 para achaflanado






| KAPR | $CZC_{MS}$ | APMX | ZEFP | Código de pedido | P 1025 | M 1025 | K 1025 | Dimensiones, mm $DCON_{MS}$ | DC | DCX | LF | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45° | 6.0 | 0.80 | 3 | 327R06-12 12045-CH | ☆ | ☆ | ☆ | 6.00 | 10.10 | 11.7 | 3.60 | 80000 |
| 45° | 12.0 | 1.70 | 3 | 327R12-22 20045-CH | ☆ | ☆ | ☆ | 12.00 | 18.30 | 21.7 | 5.85 | 80000 |


L2


I154



I175



N23



N11



SANDVIK Coromant

# CoroMill® 495

## Fresa para achaflanado versátil

### Aplicación

- Achaflanado de agujeros y a lo largo de las esquinas
- Las operaciones habituales son el mecanizado de chaflanes y chaflanes inversos, así como la preparación para la soldadura y el desbarbado

### Área de aplicación ISO:

P M K N S H



### Ventajas y características

- Herramienta versátil para una gran variedad de operaciones de achaflanado
- Plaquitas flexibles que pueden usarse en piezas de diferentes materiales
- Alto grado de aprovechamiento de la máquina gracias a los pocos cambios de herramienta
- Plaquitas intercambiables con cuatro filos
- Cuerpos de fresa con un gran número de plaquitas en relación al tamaño del cuerpo

www.sandvik.coromant.com/coromill495

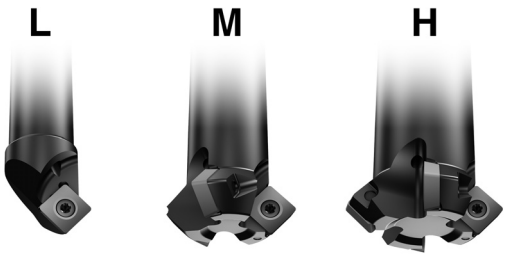
### Acoplamientos

- Coromant Capto®
- Mango cilíndrico
- Coromant EH

### Plaquitas

- Geometrías y calidades de plaquita para todo tipo de materiales
- Cuatro filos de corte



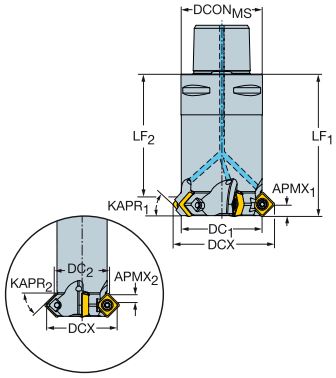

Paso amplio | Paso estrecho | Paso extra estrecho

I152 I153

# Fresa para fresado de chaflanes CoroMill® 495

## Coromant Capto® - Suministro de refrigerante interior

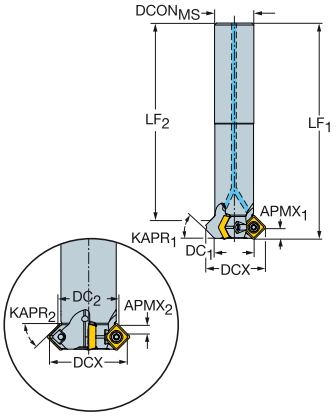





| KAPR1 | KAPR2 | ap | CZCMS | APMX1 | APMX2 | CNSC | | Código de pedido | Dimensiones, mm DCONMS | DC1 | DC2 | DCX | BD | LF1 | LF2 | BAR | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 45° | 45° | 09 | C4 | 5.4 | 5.4 | 3 | 5 | 495-040C4-4509H | 40.0 | 40.5 | 40.5 | 51.9 | 39.7 | 70.0 | 58.4 | 20 | 1.4 | 0.92 | 6100 | 5 | 495-09T3M-XL |
| 45° | 45° | 09 | C5 | 5.4 | 5.4 | 3 | 6 | 495-050C5-4509H | 50.0 | 50.5 | 50.5 | 61.9 | 49.7 | 75.0 | 63.2 | 20 | 1.4 | 1.58 | 5300 | 6 | 495-09T3M-XL |
| 45° | 45° | 09 | C6 | 5.4 | 5.4 | 3 | 7 | 495-063C6-4509H | 63.0 | 63.5 | 63.5 | 74.9 | 62.7 | 80.0 | 68.2 | 20 | 1.4 | 2.43 | 4700 | 7 | 495-09T3M-XL |

## Mango cilíndrico - Suministro de refrigerante interior






| KAPR1 | KAPR2 | ap | CZCMS | APMX1 | APMX2 | CNSC | | Código de pedido | Dimensiones, mm DCONMS | DC1 | DC2 | DCX | BD | LF1 | LF2 | LU | BAR | NM | KG | RPMX | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30° | 60° | 09 | 16 | 3.8 | 6.5 | 1 | 1 | 495-012A16-3009L | 16.0 | 12.0 | 18.3 | 26.0 | 17.2 | 100.0 | 88.7 | | 20 | 1.4 | 0.23 | 14400 | 1 | 495-09T3M-XL |
| 45° | 45° | 09 | 16 | 5.4 | 5.4 | 1 | 1 | 495-012A16-4509L | 16.0 | 12.0 | 17.7 | 23.4 | 11.2 | 100.0 | 90.8 | 51.0 | 20 | 1.4 | 0.23 | 14400 | 1 | 495-09T3M-XL |
| 60° | 30° | 09 | 16 | 6.8 | 3.9 | 1 | 1 | 495-012A16-6009L | 16.0 | 12.0 | 13.5 | 20.1 | 13.5 | 100.0 | 90.3 | 49.0 | 20 | 1.4 | 0.20 | 14400 | 1 | 495-09T3M-XL |
| 75° | | 09 | 16 | 7.7 | | 1 | 1 | 495-012A16-7509L | 16.0 | 12.0 | | 16.2 | 13.0 | | | | 20 | 1.4 | 0.20 | 14400 | 1 | 495-09T3M-XL |
| 45° | 45° | 09 | 20 | 5.4 | 5.4 | 1 | 3 | 495-020A20-4509M | 20.0 | 20.5 | 20.9 | 31.9 | 19.7 | 110.0 | 98.2 | 58.0 | 20 | 1.4 | 0.33 | 9500 | 3 | 495-09T3M-XL |
| 75° | | 09 | 25 | 7.7 | | 1 | 3 | 495-025A25-7509H | 25.0 | 25.5 | | 29.7 | 25.2 | | | | 20 | 1.4 | 0.50 | 8100 | 3 | 495-09T3M-XL |
| 30° | 60° | 09 | 25 | 3.8 | 6.5 | 1 | 4 | 495-025A25-3009H | 25.0 | 25.5 | 31.8 | 39.5 | 30.7 | 120.0 | 108.7 | 59.0 | 20 | 1.4 | 0.54 | 8100 | 4 | 495-09T3M-XL |
| 45° | 45° | 09 | 25 | 5.4 | 5.4 | 1 | 4 | 495-025A25-4509H | 25.0 | 25.5 | 25.9 | 36.9 | 24.7 | 120.0 | 108.2 | | 20 | 1.4 | 0.48 | 8100 | 4 | 495-09T3M-XL |
| 60° | 30° | 09 | 25 | 6.8 | 3.9 | 1 | 4 | 495-025A25-6009H | 25.0 | 25.5 | 19.9 | 33.6 | 18.7 | 120.0 | 108.4 | 59.0 | 20 | 1.4 | 0.42 | 8100 | 4 | 495-09T3M-XL |

| Piezas de repuesto |
|---|
| Tornillo de plaquita |
| 5513 020-04 |

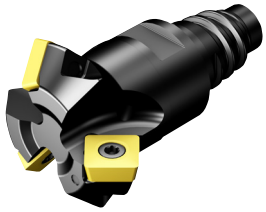
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

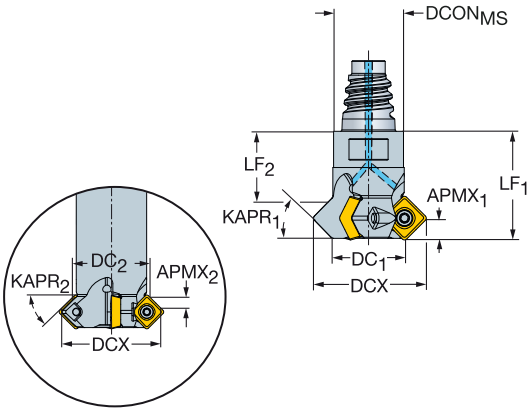
I153 L2 N23 N9 N15

SPA

# Fresa para fresado de chaflanes CoroMill® 495

**Coromant EH - Suministro de refrigerante interior**





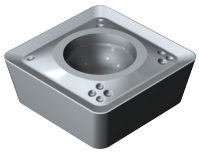

| | | | | | | | | | Dimensiones, mm | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $KAPR_1$ | $KAPR_2$ | | $CZC_{MS}$ | $APMX_1$ | $APMX_2$ | CNSC | | Código de pedido | $DCON_{MS}$ | $DC_1$ | $DC_2$ | DCX | BD | $LF_1$ | $LF_2$ | BAR | NM | KG | RPMX | CICT | MIID |
| 45° | 45° | 09 | E16 | 5.4 | 5.4 | 1 | 1 | 495-012EH16-4509L | 15.5 | 12.0 | 17.7 | 23.4 | 11.2 | 30.0 | 20.8 | 20 | 1.4 | 0.09 | 14400 | 1 | 495-09T3M-XL |
| 45° | 45° | 09 | E20 | 5.4 | 5.4 | 1 | 3 | 495-020EH20-4509M | 19.3 | 20.5 | 20.9 | 31.9 | 19.7 | 30.0 | 18.2 | 20 | 1.4 | 0.15 | 9500 | 3 | 495-09T3M-XL |
| 45° | 45° | 09 | E25 | 5.4 | 5.4 | 1 | 4 | 495-025EH25-4509H | 24.2 | 25.5 | 25.5 | 36.9 | 24.7 | 35.0 | 23.2 | 20 | 1.4 | 0.18 | 8100 | 4 | 495-09T3M-XL |

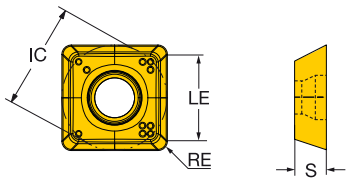
| Piezas de repuesto |
|---|
| Tornillo de plaquita |
| 5513 020-04 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

# Plaquita CoroMill® 495 para fresado

KRINS 90°






| | | | | | | P | M | | N | S | H | Dimensiones, mm | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1130 | 1040 | 1130 | 1130 | 1130 | 1130 | | | |
| | | | RE | Código de pedido | | | | | | | | IC | LE | S |
| Medio | MM | 09 | 0.80 | 495-09T3M-MM | | | ★ | | | | | 9.0 | 7.4 | 3.51 |
| | PM | 09 | 0.80 | 495-09T3M-PM | | ★ | | ☆ | ☆ | ☆ | ☆ | 9.0 | 7.4 | 3.51 |

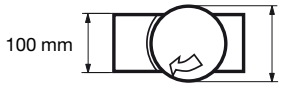
L2 I154 N23 N9 N15 N3

# Fresado de empañe grande

| ISO P | | | Fuerza de corte específica $k_{c1}$ | Dureza Brinell | | CT530 | GC1010 | GC1025 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Espesor de viruta máx., $h_{ex}$ mm | | |
| | | | | | | 0.1 – 0.15 – 0.2 | 0.05 – 0.1 – 0.2 | 0.05 – 0.1 – 0.2 |
| Núm. MC | N.° CMC | Material | N/mm² | HB | mc | Velocidad de corte $v_c$, m/min | | |
| | | **Acero** | | | | | | |
| | | **No aleado** | | | | | | |
| P1.1.Z.AN | 01.1 | C = 0.1–0.25% | 1500 | 125 | 0.25 | 430–390–350 | - | 340-310-255 |
| P1.2.Z.AN | 01.2 | C = 0.25–0.55% | 1600 | 150 | 0.25 | 385–350–315 | - | 305-280-230 |
| P1.3.Z.AN | 01.3 | C = 0.55–0.80% | 1700 | 170 | 0.25 | 365–330–300 | - | 290-260-215 |
| P1.3.Z.AN | 01.4 | | 1800 | 210 | 0.25 | 315–290–260 | - | 250-230-185 |
| P1.3.Z.HT | 01.5 | | 2000 | 300 | 0.25 | 235–210–195 | - | 185-170-140 |
| | | **Baja aleación (elementos de aleación ≤ 5%)** | | | | | | |
| P2.1.Z.AN | 02.1 | No templado | 1700 | 175 | 0.25 | 300–275–245 | - | 280-255-210 |
| P2.5.Z.HT | 02.2 | Endurecido y templado | 1900 | 300 | 0.25 | 195–180–160 | - | 155-140-115 |
| | | **Alta aleación (elementos de aleación > 5%)** | | | | | | |
| P3.0.Z.AN | 03.11 | Recocido | 1950 | 200 | 0.25 | 230–205–185 | 180-165-135 | 180-165-135 |
| P3.1.Z.AN | 03.13 | Acero de herram. templado | 2150 | 200 | 0.25 | 190–170–155 | 150-135-110 | 150-135-110 |
| P3.0.Z.HT | 03.21 | | 2900 | 300 | 0.25 | 165–150–135 | 130-120-100 | 130-120-100 |
| P3.0.Z.HT | 03.22 | | 3100 | 380 | 0.25 | 105–95–85 | 80-75-60 | 80-75-60 |
| | | **Fundición** | | | | | | |
| P1.5.C.UT | 06.1 | No aleado | 1400 | 150 | 0.25 | 305–280–250 | 245-220-180 | 245-220-180 |
| P2.6.C.UT | 06.2 | Baja aleación (elementos de aleación ≤ 5%) | 1600 | 200 | 0.25 | 245–220–200 | 195-175-145 | 195-175-145 |
| P3.0.C.UT | 06.3 | Alta aleación (elementos de aleación > 5%) | 1950 | 200 | 0.25 | 180–160–145 | 140-130-105 | 140-130-105 |

| ISO M | | | Fuerza de corte específica $k_{c1}$ | Dureza Brinell | | CT530 | M30B | GC1130 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Espesor de viruta máx., $h_{ex}$ mm | | |
| | | | | | | 0.1 – 0.15 – 0.2 | 0.1 – 0.2 – 0.4 | 0.05 – 0.1 – 0.2 |
| Núm. MC | N.° CMC | Material | N/mm² | HB | mc | Velocidad de corte $v_c$, m/min | | |
| | | **Acero inoxidable** | | | | | | |
| | | **Ferrítico/martensítico** | | | | | | |
| P5.0.Z.AN | 05.11 | No templado | 1800 | 200 | 0.21 | 285 –255 –230 | 265 –210 –135 | 255 –225 –180 |
| P5.0.Z.PH | 05.12 | Templado PH | 2850 | 330 | 0.21 | 205 –185 –165 | 175 –140 –90 | 180 –160 –130 |
| P5.0.Z.HT | 05.13 | Templado | 2350 | 330 | 0.21 | 215 –190 –170 | 200 –160 –100 | 185 –165 –135 |
| | | **Austenítico** | | | | | | |
| M1.0.Z.AQ | 05.21 | No templado | 1950 | 200 | 0.21 | 265 –240 –215 | – | 250 –225 –180 |
| M1.0.Z.PH | 05.22 | Templado PH | 2850 | 330 | 0.21 | 200 –175 –160 | – | 170 –155 –125 |
| M2.0.Z.AQ | 05.23 | Super austenítico | 2250 | 200 | | – | – | – |
| | | **Austenítico-ferrítico (Dúplex)** | | | | | | |
| M3.1.Z.AQ | 05.51 | No soldable ≥ 0,05% C | 2000 | 230 | 0.21 | 260 –235 –210 | – | 205 –185 –145 |
| M3.2.Z.AQ | 05.52 | Soldable < 0,05% C | 2450 | 260 | 0.21 | 230 –205 –185 | – | 175 –155 –125 |
| | | **Acero inoxidable – Fundido** | | | | | | |
| | | **Ferrítico/martensítico** | | | | | | |
| P5.0.C.UT | 15.11 | No templado | 1700 | 200 | 0.25 | 255 –230 –205 | 230 –185 –120 | 225 –200 –160 |
| P5.0.C.PH | 15.12 | Templado PH | 2450 | 330 | 0.25 | 180 –160 –145 | 150 –120 –80 | 155 –140 –115 |
| P5.0.C.HT | 15.13 | Templado | 2150 | 330 | 0.25 | 195 –175 –155 | 180 –145 –90 | 170 –155 –120 |
| M1.0.C.UT | 15.21 | No templado | 1800 | 200 | 0.25 | 255 –225 –205 | – | 235 –210 –170 |
| M1.0C.PH | 15.22 | Templado PH | 2450 | 330 | 0.25 | 180 –160 –145 | – | 160 –140 –115 |
| M2.0.C.AQ | 15.23 | Super austenítico | 2150 | 200 | | – | – | – |
| | | **Austenítico-ferrítico (Dúplex)** | | | | | | |
| M3.1.C.AQ | 15.51 | No soldable ≥ 0,05% C | 1800 | 230 | 0.25 | 245 –220 –195 | – | 195 –175 –140 |
| M3.2.C.AQ | 15.52 | Soldable < 0,05% C | 2250 | 260 | 0.25 | 215 –190 –170 | – | 160 –145 –115 |

| ISO K | | | Fuerza de corte específica $k_{c1}$ | Dureza Brinell | | CB50 | CC6190 | GC1010 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Espesor de viruta máx., $h_{ex}$ mm | | |
| | | | | | | 0.1 – 0.15 – 0.2 | 0.1 – 0.2 – 0.3 | 0.1 – 0.2 – 0.3 |
| Núm. MC | N.° CMC | Material | N/mm² | HB | mc | Velocidad de corte $v_c$, m/min | | |
| | | **Fundición maleable** | | | | | | |
| | 07.1 | Ferrítica (viruta corta) | 790 | 130 | 0.28 | - | 1300 –1050 –880 | 225 –185 –150 |
| K1.1.C.NS | 07.2 | Perlítica (viruta larga) | 900 | 230 | 0.28 | - | 1100 –890 –730 | 185 –155 –125 |
| | | **Fundición gris** | | | | | | |
| K2.1.C.UT | 08.1 | Baja resistencia a la tracción | 890 | 180 | 0.28 | 910 –780 –670 | 1600–1300–1050 | 245 –200 –165 |
| K2.2.C.UT | 08.2 | Alta resistencia a la tracción | 1100 | 245 | 0.28 | 850 –720 –620 | 1200–990–810 | 195 –160 –130 |
| | | **Fundición nodular** | | | | | | |
| K3.1.C.UT | 09.1 | Ferrítica | 900 | 160 | 0.28 | - | 1000–830–680 | 155 –125 –105 |
| K3.3.C.UT | 09.2 | Perlítica | 1350 | 250 | 0.28 | 495 –420 –360 | 840 –690 –570 | 145 –120 –95 |




**Condiciones:**

Fresa. Diá. 125 mm. Centrado sobre la pieza. Empañe 100 mm.

SPA

| GC1130 | GC4220 | GC4330 | GC4340 | GC2030 | GC2040 | GC3040 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Espesor de viruta máx., $h_{ex}$ mm** | | | | | | | | | | |
| 0.05–0.1–0.2 | 0.1– 0.2–0.3 | 0.1– 0.2–0.3 | 0.1-0.2-0.3 | 0.1–0.2–0.4 | 0.1–0.2–0.4 | 0.1-0.2-0.4 | | | | |
| **Velocidad de corte $v_c$, m/min** | | | | | | | | | | |
| 375–340–280 | 490–405–330 | 400–330–270 | 340-280-230 | 295–240–165 | 295 –240 –165 | 390-320-260 | | | | |
| 335–305–250 | 440–360–295 | 360–295–245 | 305-250-205 | 265–215–145 | 265 –215 –145 | 350-285-235 | | | | |
| 320–290–235 | 415–340–280 | 340–280–230 | 290-235-195 | 250–205–135 | 250 –205 –135 | 330-270-220 | | | | |
| 275–250–205 | 365–300–245 | 295–245–200 | 250-205-170 | 220–180–120 | 220 –180 –120 | 290-235-195 | | | | |
| 205–185–155 | 270–220–180 | 220–180–150 | 185-155-125 | 160–130–90 | 160 –130 –90 | 215-175-145 | | | | |
| 265–240–195 | 345–285–230 | 280–230–190 | 240-195-160 | 205–170–115 | 205 –170 –115 | 275-225-185 | | | | |
| 170–155–130 | 225–185–150 | 185–150–125 | 155-130-105 | 135–110–75 | 135 –110 –75 | 180-145-120 | | | | |
| 180–165–135 | 300–245–200 | 195–160–130 | 165-135-110 | 155–130–85 | 155 –130 –85 | 205-170-140 | | | | |
| 150–135–110 | 215–180–145 | 160–130–110 | 135-110-90 | 125–105–70 | 125 –105 –70 | 170-140-115 | | | | |
| 130–120–100 | 190–155–125 | 140–115–95 | 120-100-80 | 110-90–60 | 110 –90 –60 | 150-125-100 | | | | |
| 80–75–60 | 120–95–80 | 85–70–60 | 75-60-50 | 70–55–38 | 70 –55 –38 | 95-75-65 | | | | |
| 245–220–180 | 350–290–235 | 260–215–175 | 220-180-150 | 210–170–115 | 210 –170 –115 | 280-230-190 | | | | |
| 195–175–145 | 280–230–190 | 205–170–140 | 175-145-120 | 170–140–95 | 170 –140 –95 | 220-180-150 | | | | |
| 140–130–105 | 205–170–140 | 150–125–100 | 130-105-85 | 120–100–70 | 120 –100 –70 | 160-135-110 | | | | |

| GC1040 | S30T | S40T | GC2030 | GC2040 | GC4330 | GC4340 | GC1010 | GC1025 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Espesor de viruta máx., $h_{ex}$ mm** | | | | | | | | | | |
| 0.05-0.15-0.25 | 0.05-0.15-0.25 | 0.1-0.2-0.3 | 0.05 – 0.15 – 0.25 | 0.1 – 0.2 – 0.3 | 0.1 – 0.2 – 0.3 | 0.1-0.2-0.4 | 0.1 – 0.2 – 0.3 | 0.05-0.1-0.2 | | |
| **Velocidad de corte $v_c$, m/min** | | | | | | | | | | |
| 185 – 140 – 105 | 255 – 190 – 140 | 250 – 200 – 160 | 240 –190 –155 | 240 –190 –155 | 275 –220 –175 | 210 –170 –110 | 285-255-230 | 255-225-180 | | |
| 130 – 100 – 70 | 180 – 135 – 100 | 170 – 135 – 110 | 170 –135 –110 | 165 –130 –105 | 190 –150 –120 | 140 –110 –70 | 205-185-165 | 180-160-130 | | |
| 135 – 100 – 75 | 185 – 140 – 105 | 180 – 145 – 115 | 175 –140 –115 | 175 –140 –110 | 200 –160 –125 | 160 –125 –80 | 215-190-170 | 185-165-135 | | |
| 180 – 135 – 100 | 250 – 185 – 140 | 210 – 165 – 135 | 235 –190 –150 | 200 –160 –130 | - | 185 –150 –95 | 265-240-215 | 250-225-180 | | |
| 125 – 95 – 70 | 170 – 130 – 95 | 165 – 130 – 105 | 165 –130 –105 | 160 –125 –100 | - | 135 –105 –70 | 200-175-160 | 170-155-125 | | |
| 125 – 90 – 70 | 170 – 125 – 95 | 145 – 115 – 95 | – | – | – | – | 170-125-95 | – | | |
| 150 – 115 – 85 | 205 – 155 – 115 | 175 – 140 – 110 | 195 –155 –125 | 170 –135 –105 | - | 170 –135 –85 | 260-240-215 | 205-185-145 | | |
| 125 – 95 – 70 | 175 – 130 – 95 | 140 – 115 – 90 | 165 –130 –105 | 135 –110 –85 | - | 135 –110 –70 | 230-205-185 | 170-155-125 | | |
| 165 – 125 – 90 | 225 – 165 – 125 | 220 – 175 – 140 | 215 –170 –135 | 210 –170 –135 | 245 –195 –155 | 185 –150 –95 | 255-230-205 | 225-200-160 | | |
| 115 – 85 – 65 | 155 – 115 – 85 | 150 – 120 – 95 | 150 –120 –95 | 145 –115 –90 | 165 –130 –105 | 120 –100 –65 | 180-160-145 | 155-140-115 | | |
| 125 – 90 – 70 | 170 – 125 – 95 | 165 – 135 – 105 | 160 –130 –105 | 160 –130 –100 | 180 –145 –115 | 145 –115 –75 | 195-175-155 | 170-155-120 | | |
| 175 – 130 – 95 | 235 – 175 – 130 | 200 – 160 – 130 | 225 –180 –145 | 190 –155 –125 | - | 180 –140 –90 | 255-225-205 | 235-210-170 | | |
| 115 – 85 – 65 | 160 – 115 – 85 | 150 – 120 – 95 | 150 –120 –95 | 145 –115 –90 | - | 125 –100 –65 | 180-160-145 | 160-140-115 | | |
| 110 – 85 – 60 | 155 – 115 – 85 | 130 – 105 – 85 | – | – | – | – | - | – | | |
| 145 – 105 – 80 | 195 – 15 – 110 | 165 – 130 – 105 | 185 –150 –120 | 160 –125 –100 | - | 160 –125 –80 | 245-220-195 | 195-175-140 | | |
| 115 – 85 – 65 | 160 – 120 – 90 | 135 – 105 – 85 | 150 –120 –95 | 130 –100 –80 | - | 125 –100 –65 | 215-190-170 | 160-145-115 | | |

| GC3220 | GC3330 | GC3040 | K20W | GC4330 | GC4340 | GC1020 | H13A | K20D | K20M | K15W |
|---|---|---|---|---|---|---|---|---|---|---|
| **Espesor de viruta máx., $h_{ex}$ mm** | | | | | | | | | | |
| 0.1 – 0.2 – 0.3 | 0.1 – 0.2 – 0.4 | 0.1 – 0.2 – 0.4 | 0.1 – 0.2 – 0.3 | 0.1 – 0.2 – 0.3 | 0.1 – 0.2 – 0.3 | 0.1 – 0.2 – 0.3 | 0.1 – 0.2 – 0.4 | 0.1-0.2-0.3 | 0.1-0.2-0.3 | 0.1-0.2-0.3 |
| **Velocidad de corte $v_c$, m/min** | | | | | | | | | | |
| 265–220–180 | 260–215–145 | 240–195–135 | 225–185–150 | 215 –175 –145 | 195–160–130 | 205–170–140 | 120–105–75 | 265-220-180 | 255-210-170 | - |
| 220–180–150 | 215–175–120 | 200–165–110 | 185–150–125 | 175 –145 –120 | 160–130–110 | 170–140–115 | 100– 85–65 | 220-180-150 | 210-170-140 | - |
| 290–240–195 | 285–235–155 | 260–215–145 | 245–200–165 | 230 –190 –155 | 215–175–145 | 225–185–150 | 130–110–85 | 290-240-195 | 275-225-185 | 245-200-165 |
| 235–190–155 | 225–185–125 | 210–170–115 | 195–160–130 | 185 –155 –125 | 170–140–115 | 180–145–120 | 105– 90–65 | 235-190-155 | 220-180-150 | 195-160-130 |
| 180–150–125 | 280–230–155 | 165–135–90 | 155–125–105 | 145 –120 –100 | 135–110–90 | 140–115–95 | 80– 70–50 | 180-150-125 | 175-140-115 | - |
| 170–140–115 | 225–185–125 | 150–125–85 | 140–115–95 | 135 –110 –90 | 125–100–85 | 130–105–90 | 75– 65–50 | 170-140-115 | 160-130-110 | - |

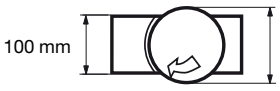
# Fresado de empañe grande

| ISO N | | | Fuerza de corte específica $k_{c1}$ | Dureza Brinell | | CD10 | H10 | CT530 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Espesor de viruta máx., $h_{ex}$ mm | | |
| | | | | | | 0.1 – 0.15 – 0.2 | 0.1 – 0.15 – 0.2 | 0.1 – 0.15 – 0.2 |
| Núm. MC | N.° CMC | Material | N/mm² | HB | mc | Velocidad de corte $v_c$, m/min | | |
| | | **Aleaciones de aluminio** | | | | | | |
| N1.2.Z.UT | 30.11 | Forjadas o forjadas y trabajadas en frío, sin envejecimiento | 400 | 60 | | 1900 –1750 –1600 | 940 –870 –810 | 1050-960-890 |
| N1.2.Z.AG | 30.12 | Forjadas o forjadas y envejecidas | 650 | 100 | | 1700 –1550 –1450 | 850 –780 –730 | 930-860-800 |
| | | **Aleaciones de aluminio** | | | | | | |
| N1.3.C.UT | 30.21 | Fundida, no envejecida | 600 | 75 | 0.25 | 1900 –1750 –1600 | 940 –870 –810 | 1050-960-890 |
| N1.3.C.AG | 30.22 | Fundición, o fundición y envejecido | 700 | 90 | 0.25 | 1700 –1550 –1450 | 850 –790 –730 | 930-860-800 |
| | | **Aleaciones de aluminio** | | | | | | |
| N1.1.Z.UT | 30.3 | Al >99% | 350 | 30 | | 1900 –1750 –1600 | 950 –880 –810 | 1050-960-890 |
| | | **Aleaciones de aluminio** | | | | | | |
| | 30.41 | Fundidas, 13–15% Si | 700 | 130 | | 760 –700 –650 | 380 –350 –325 | 415-385-355 |
| N1.4.C.NS | 30.42 | Fundidas, 16–22% Si | 700 | 130 | | 570 –530 –485 | 285 –265 –245 | 310-290-270 |
| | | **Cobre y aleaciones de cobre** | | | | | | |
| N3.3.U.UT | 33.1 | Aleaciones de fácil mecanización, ≥1% Pb | 550 | 110 | 0.25 | 940 –870 –810 | 470 –435 –405 | 520-480-445 |
| N3.2.C.UT | 33.2 | Latón, bronces con plomo, ≤1% Pb | 550 | 90 | | 940 –870 –810 | 470 –435 –405 | 520-480-445 |
| N3.1.U.UT | 33.3 | Bronce y cobre sin plomo, incl. cobre electrolítico | 1350 | 100 | 0.25 | 660 –610 –570 | 330 –305 –285 | 365-335-310 |

| ISO S | | | Fuerza de corte específica $k_{c1}$ | Dureza Brinell | | GC1025 | GC1130 | H13A |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Espesor de viruta máx., $h_{ex}$ mm | | |
| | | | | | | 0.05 – 0.15 – 0.2 | 0.1 – 0.15 – 0.2 | 0.1 – 0.15 – 0.2 |
| Núm. MC | N.° CMC | Material | N/mm² | HB | mc | Velocidad de corte $v_c$, m/min | | |
| | | **Superaleaciones termorresistentes** | | | | | | |
| | | **Base de hierro** | | | | | | |
| S1.0.U.AN | 20.11 | Recocidas o tratadas en solución | 2400 | 200 | 0.25 | 60 –55 –50 | 60 –55 –50 | 60 –55 –50 |
| S1.0.U.AG | 20.12 | Envejecidas o tratadas en solución y envejecidas | 2500 | 280 | 0.25 | 45 –40 –37 | 45 –40 –37 | 45 –40 –38 |
| | | **Base de níquel** | | | | | | |
| S2.0.Z.AN | 20.21 | Recocidas o tratadas en solución | 2650 | 250 | 0.25 | 60 –55 –50 | 60 –55 –50 | 55-55-50 |
| S2.0.Z.AG | 20.22 | Envejecidas o tratadas en solución y envejecidas | 2900 | 350 | 0.25 | 36 –33 –30 | 36 –33 –30 | 35-33-30 |
| S2.0.C.NS | 20.24 | Fundición, o fundición y envejecido | 3000 | 320 | 0.25 | 45 –40 –36 | 45 –40 –36 | 45-40-38 |
| | | **Base de cobalto** | | | | | | |
| S3.0.Z.AN | 20.31 | Recocidas o tratadas en solución | 2700 | 200 | 0.25 | 25 –22 –20 | 25 –22 –20 | 23-21-18 |
| S3.0.Z.AG | 20.32 | Tratadas en solución y envejecidas | 3000 | 300 | 0.25 | 18 –16 –14 | 18 –16 –14 | 17-15-13 |
| S3.0.C.NS | 20.33 | Fundición, o fundición y envejecido | 3100 | 320 | 0.25 | 16 –14 –13 | 16 –14 –13 | 16-14-13 |
| | | **Aleaciones de titanio1)** | | **Rm2)** | | | | |
| S4.1.Z.UT | 23.1 | Puro comercial (99,5% Ti) | 1300 | 400 | 0.23 | 125 –115 –105 | 125 –115 –105 | 125-115-110 |
| S4.2.Z.AN | 23.21 | aleaciones de α, α próximo y α + β, aleaciones de | 1400 | 950 | 0.23 | 55 –50 –45 | 55 –50 –45 | 50-45-45 |
| S4.3.Z.AG | 23.22 | α + β recocidas y envejecidas, aleaciones de β, recocidas o envejecidas | 1400 | 1050 | 0.23 | 45 –40 –36 | 45 –40 –36 | 38-36-33 |

| ISO H | | | Fuerza de corte específica $k_{c1}$ | Dureza Brinell | | CB50 | CT530 | GC4220 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Espesor de viruta máx., $h_{ex}$ mm | | |
| | | | | | | 0.07 – 0.12 – 0.2 | 0.07 – 0.12 – 0.2 | 0.1 - 0.15 - 0.25 |
| Núm. MC | N.° CMC | Material | N/mm² | HB | mc | Velocidad de corte $v_c$, m/min | | |
| | | **Acero extraduro** | | | | | | |
| H1.3.Z.HA | 04.1 | Endurecido y templado | 4200 | 59 HRC | 0.25 | 160 –140 –115 | 80 –75 –55 | 55-45-36 |
| | | **Fundición en coquilla** | | | | | | |
| H2.0.C.UT | 10.1 | Fundición, o fundición y envejecido | 2250 | 400 | 0.28 | 310 –270 –215 | 155 –140 –110 | 100-90-70 |

1) Ángulo de posición de 45-60°. Se debe utilizar geometría de corte positiva y refrigerante.
2) Rm = resistencia a la tracción última, medida en MPa.




**Condiciones:**
Fresa. Diá. 125 mm. Centrado sobre la pieza. Empañe 100 mm.

| GC1130 | H10F | H13A | GC1025 | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Espesor de viruta máx., $h_{ex}$ mm** | | | | | | | | |
| 0.1 – 0.15 – 0.2 | 0.1 – 0.15 – 0.2 | 0.1 – 0.15 – 0.2 | 0.1-0.15-0.2 | | | | | |
| **Velocidad de corte $v_c$, m/min** | | | | | | | | |
| 990–910–850 | 940–870–810 | 750–700–650 | 990–910–850 | | | | | |
| 890–820–760 | 850–780–730 | 680–630–580 | 890–820–760 | | | | | |
| 990–910–850 | 940–870–810 | 750–700–650 | 990–910–850 | | | | | |
| 990–920–850 | 850–790–730 | 680–630–580 | 990–920–850 | | | | | |
| 990–920–850 | 950–880–810 | 760–700–650 | 990–920–850 | | | | | |
| 395–370–340 | 380–350–325 | 300–280–260 | 395–370–340 | | | | | |
| 300–275–255 | 285–265–245 | 225–210–195 | 300–275–255 | | | | | |
| 495–460–425 | 470–435–405 | 375–350–325 | 495–460–425 | | | | | |
| 495–460–425 | 470–435–405 | 375–350–325 | 495–460–425 | | | | | |
| 345–320–295 | 330–305–285 | 265–245–225 | 345–320–295 | | | | | |

| H10F | S30T | S40T | GC2030 | GC2040 | GC1010 | | | |
|---|---|---|---|---|---|---|---|---|
| **Espesor de viruta máx., $h_{ex}$ mm** | | | | | | | | |
| 0.1 – 0.15 – 0.2 | 0.1 – 0.15 – 0.2 | 0.1 – 0.15 – 0.2 | 0.05 – 0.15 – 0.2 | 0.1 – 0.15 – 0.25 | 0.1-0.15-0.2 | | | |
| **Velocidad de corte $v_c$, m/min** | | | | | | | | |
| 55 –50 –45 | – | – | 55 –50 –45 | 60 –55 –45 | – | | | |
| 40 –37 –35 | – | – | 40 –38 –34 | 45 –39 –32 | – | | | |
| 50 –50 –45 | – | – | 55 –50 –45 | 55 –50 –40 | – | | | |
| 32 –30 –27 | – | – | 34 –31 –28 | 35 –31 –26 | – | | | |
| 40 –37 –34 | – | – | 40 –37 –34 | 40 –38 –31 | – | | | |
| 22 –19 –17 | – | – | 23 –21 –18 | 23 –21 –17 | – | | | |
| 15 –14 –12 | – | – | 17 –15 –13 | 17 –15 –12 | – | | | |
| 14 –13 –12 | – | – | 15 –14 –12 | 15 –14 –11 | – | | | |
| 115 –105 –100 | 150 –135 –125 | 125 –115 –110 | 120 –105 –95 | 120 –110 –100 | 150-135-125 | | | |
| 45 –40 –38 | 65 –60 –55 | 45 –40 –39 | 50 –45 –39 | 45 –39 –36 | 65-60-55 | | | |
| 34 –31 –29 | 50 –50 –45 | 38 –36 –33 | 40 –37 –34 | 37 –33 –30 | 55-50-45 | | | |

| GC3040 | GC1010 | GC1130 | GC1025 | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Espesor de viruta máx., $h_{ex}$ mm** | | | | | | | | |
| 0.1 – 0.2 – 0.25 | 0.07 – 0.12 – 0.2 | 0.07-0.12-0.2 | 0.07-0.12-0.2 | | | | | |
| **Velocidad de corte $v_c$, m/min** | | | | | | | | |
| 45–33–29 | 110-95-80 | 40-36-29 | 40-36-29 | | | | | |
| 85–65–55 | 215-185-150 | 75-70-55 | 75-70-55 | | | | | |

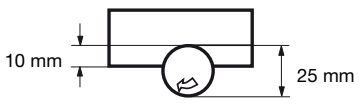
# Fresado de empañe pequeño

| ISO P | | | Fuerza de corte específica $k_{c1}$ | Dureza Brinell | | CT530 | GC1010 | GC3040 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Espesor de viruta máx., $h_{ex}$ mm | | |
| | | | | | | 0.1 – 0.15 – 0.2 | 0.05 – 0.1 – 0.2 | 0.1-0.15-0.3 |
| Núm. MC | N.° CMC | Material | N/mm² | HB | mc | Velocidad de corte $v_c$, m/min | | |
| | | **Acero** | | | | | | |
| | | **No aleado** | | | | | | |
| P1.1.Z.AN | 01.1 | C = 0.1–0.25% | 1500 | 125 | 0.25 | 500 –490 –475 | - | 455-445-415 |
| P1.2.Z.AN | 01.2 | C = 0.25–0.55% | 1600 | 150 | 0.25 | 450 –440 –430 | - | 410-400-375 |
| P1.3.Z.AN | 01.3 | C = 0.55–0.80% | 1700 | 170 | 0.25 | 425 –415 –405 | - | 385-375-350 |
| P1.3.Z.AN | 01.4 | | 1800 | 210 | 0.25 | 370 –360 –355 | - | 335-330-305 |
| P1.3.Z.HT | 01.5 | | 2000 | 300 | 0.25 | 275 –265 –260 | - | 250-245-225 |
| | | **De baja aleación (elementos de aleación ≤5%)** | | | | | | |
| P2.1.Z.AN | 02.1 | No templado | 1700 | 175 | 0.25 | 350 –345 –335 | - | 320-310-290 |
| P2.5.Z.HT | 02.2 | Endurecido y templado | 1900 | 300 | 0.25 | 230 –225 –220 | - | 205-205-190 |
| | | **Alta aleación (elementos de aleación >5%)** | | | | | | |
| P3.0.Z.AN | 03.11 | Recocido | 1950 | 200 | 0.25 | 265 –260 –255 | 195 –190 –185 | 240-235-220 |
| P3.1.Z.AN | 03.13 | Acero de herram. templado | 2150 | 200 | 0.25 | 220 –215 –210 | 160 –160 –150 | 200-195-185 |
| P3.0.Z.HT | 03.21 | | 2900 | 300 | 0.25 | 190 –190 –185 | 140 –140 –135 | 175-170-160 |
| P3.0.Z.HT | 03.22 | | 3100 | 380 | 0.25 | 120 –120 –115 | 90 –85 –85 | 110-105-100 |
| | | **Fundición** | | | | | | |
| P1.5.C.UT | 06.1 | No aleado | 1400 | 150 | 0.25 | 355 –350 –340 | 265 –255 –245 | 325-315-295 |
| P2.6.C.UT | 06.2 | De baja aleación (elementos de aleación ≤5%) | 1600 | 200 | 0.25 | 285 –280 –275 | 210 –205 –195 | 260-255-235 |
| P3.0.C.UT | 06.3 | Alta aleación (elementos de aleación >5%) | 1950 | 200 | 0.25 | 210 –205 –200 | 155 –150 –145 | 190-185-175 |

| ISO M | | | Fuerza de corte específica $k_{c1}$ | Dureza Brinell | | CT530 | GC1130 | GC1025 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Espesor de viruta máx., $h_{ex}$ mm | | |
| | | | | | | 0.1 – 0.15 – 0.2 | 0.05 – 0.1 – 0.2 | 0.05-0.1-0.2 |
| Núm. MC | N.° CMC | Material | N/mm² | HB | mc | Velocidad de corte $v_c$, m/min | | |
| | | **Acero inoxidable** | | | | | | |
| | | **Ferrítico/martensítico** | | | | | | |
| P5.0.Z.AN | 05.11 | No templado | 1800 | 200 | 0.21 | 340 –335 –325 | 275 –270 –255 | 275 –270 –255 |
| P5.0.Z.PH | 05.12 | Templado PH | 2850 | 330 | 0.21 | 245 –240 –235 | 195 –190 –180 | 195 –190 –180 |
| P5.0.Z.HT | 05.13 | Templado | 2350 | 330 | 0.21 | 255 –250 –240 | 200 –195 –190 | 200 –195 –190 |
| | | **Austenítico** | | | | | | |
| M1.0.Z.AQ | 05.21 | No templado | 1950 | 200 | 0.21 | 320 –310 –300 | 270 –265 –255 | 270 –265 –255 |
| M1.0.Z.PH | 05.22 | Templado PH | 2850 | 330 | 0.21 | 235 –230 –225 | 190 –185 –175 | 190 –185 –175 |
| M2.0.Z.AQ | 05.23 | Super austenítico | 2250 | 200 | | - | - | - |
| | | **Austenítico-ferrítico (Dúplex)** | | | | | | |
| M3.1.Z.AQ | 05.51 | No soldable ≥ 0,05% C | 2000 | 230 | 0.21 | 310 –300 –295 | 225 –220 –210 | 225 –220 –210 |
| M3.2.Z.AQ | 05.52 | Soldable < 0,05% C | 2450 | 260 | 0.21 | 275 –270 –260 | 190 –185 –175 | 190 –185 –175 |
| | | **Acero inoxidable – Fundido** | | | | | | |
| | | **Ferrítico/martensítico** | | | | | | |
| P5.0.C.UT | 15.11 | No templado | 1700 | 200 | 0.25 | 305 –295 –290 | 245 –240 –230 | 245 –240 –230 |
| P5.0C.PH | 15.12 | Templado PH | 2450 | 330 | 0.25 | 215 –210 –205 | 170 –170 –160 | 170 –170 –160 |
| P5.0.C.HT | 15.13 | Templado | 2150 | 330 | 0.25 | 235 –225 –220 | 185 –180 –175 | 185 –180 –175 |
| | | **Austenítico** | | | | | | |
| M1.0.C.UT | 15.21 | Austenítico | 1800 | 200 | 0.25 | 300 –295 –285 | 260 –250 –240 | 260 –250 –240 |
| M1.0C.PH | 15.22 | Templado PH | 2450 | 330 | 0.25 | 215 –210 –205 | 170 –170 –160 | 170 –170 –160 |
| M2.0.C.AQ | 15.23 | Super austenítico | 2150 | 200 | | - | - | - |
| | | **Austenítico-ferrítico (Dúplex)** | | | | | | |
| M3.1.C.AQ | 15.51 | No soldable ≥ 0,05% C | 1800 | 230 | 0.25 | 295 –285 –280 | 215 –205 –195 | 215 –205 –195 |
| M3.2.C.AQ | 15.52 | Soldable < 0,05% C | 2250 | 260 | 0.25 | 255 –250 –245 | 175 –170 –165 | 175 –170 –165 |

| ISO K | | | Fuerza de corte específica $k_{c1}$ | Dureza Brinell | | CB50 | CC6190 | K20D |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Espesor de viruta máx., $h_{ex}$ mm | | |
| | | | | | | 0.1 – 0.15 – 0.2 | 0.1 – 0.2 – 0.3 | 0.1-0.2-0.3 |
| Núm. MC | N.° CMC | Material | N/mm² | HB | mc | Velocidad de corte $v_c$, m/min | | |
| | | **Fundición maleable** | | | | | | |
| | 07.1 | Ferrítica (viruta corta) | 790 | 130 | 0.28 | - | 1500 –1450 –1400 | 305-290-280 |
| K1.1.C.NS | 07.2 | Perlítica (viruta larga) | 900 | 230 | 0.28 | - | 1250 –1200 –1150 | 250-240-230 |
| | | **Fundición gris** | | | | | | |
| K2.1.C.UT | 08.1 | Baja resistencia a la tracción | 890 | 180 | 0.28 | 1150 –1100 –1100 | 1850 –1750 –1700 | 285-270-260 |
| K2.2.C.UT | 08.2 | Alta resistencia a la tracción | 1100 | 245 | 0.28 | 1100 –1050 –1000 | 1400 –1350 –1300 | 225-215-210 |
| | | **Fundición nodular** | | | | | | |
| K3.1.C.UT | 09.1 | Ferrítica | 900 | 160 | 0.28 | - | 1200 –1150 –1100 | 210-205-200 |
| K3.3.C.UT | 09.2 | Perlítica | 1350 | 250 | 0.28 | 630 –610 –590 | 980 –930 –890 | 195-195-185 |

1) Ángulo de posición de 45-60°. Se debe utilizar geometría de corte positiva y refrigerante.




**Condiciones:**
Fresado lateral. Diá. fresa 25 mm. Empañe de 10 mm.

SPA

| GC1025 | GC1130 | GC4220 | GC4330 | GC4340 | GC2030 | GC2040 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Espesor de viruta máx., $h_{ex}$ mm** | | | | | | | | | | |
| 0.05-0.1-0.2 | 0.05-0.1-0.2 | 0.1-0.15-0.3 | 0.1-0.2-0.3 | 0.1-0.2-0.3 | 0.05 – 0.15 – 0.25 | 0.1 – 0.2 – 0.3 | | | | |
| **Velocidad de corte $v_c$, m/min** | | | | | | | | | | |
| 365-360-345 | 405-395-380 | 570 –560 –520 | 465 –445 –425 | 395-380-360 | 340 –335 – 320 | 340 –325 – 315 | | | | |
| 330-325-310 | 365-355-340 | 510 –500 –470 | 420 –400 –385 | 355-340-325 | 305 –300 –290 | 305 –295 –280 | | | | |
| 310-305-290 | 345-335-320 | 485 –475 –445 | 395 –380 –360 | 335-320-310 | 290 –280 –270 | 290 –275 –265 | | | | |
| 270-265-255 | 300-295-280 | 425 –415 –390 | 345 –330 –315 | 295-280-270 | 255 –250 –240 | 255 –245 –235 | | | | |
| 200-195-190 | 220-220-210 | 310 –305 –285 | 255 –245 –235 | 220-210-200 | 185 –185 –175 | 185 –180 –170 | | | | |
| 300-295-285 | 285-280-265 | 400 –390 –365 | 325 –315 –300 | 280-265-255 | 240 –235 –225 | 240 –230 –220 | | | | |
| 170-165-160 | 185-180-175 | 260 –255 –240 | 215 –205 –195 | 180-175-165 | 155 –155 –145 | 155 –150 –145 | | | | |
| 195-190-185 | 195-190-185 | 350 –340 –320 | 225 –215 –205 | 190-185-175 | 180 –175 –170 | 180 –175 –165 | | | | |
| 160-160-150 | 160-160-150 | 250 –245 –230 | 185 –180 –170 | 160-150-145 | 150 –145 –140 | 150 –140 –135 | | | | |
| 140-140-135 | 140-140-135 | 220 –215 –200 | 165 –155 –150 | 140-135-125 | 130 –125 –120 | 130 –125 –120 | | | | |
| 90-85-85 | 90-85-85 | 135 –135 –125 | 100 –95 –95 | 85-85-80 | 80 –80 –75 | 80 –75 –75 | | | | |
| 265-255-245 | 265-255-245 | 410 –400 –375 | 305 –290 –280 | 255-245-235 | 240 –235 –225 | 240 –230 –220 | | | | |
| 210-205-195 | 210-205-195 | 325 –320 –295 | 240 –230 –220 | 205-195-190 | 195 –190 –185 | 195 –185 –180 | | | | |
| 155-150-145 | 155-150-145 | 240 –235 –220 | 175 –170 –160 | 150-145-140 | 145 –140 –135 | 145 –135 –130 | | | | |

| GC1040 | S30T | S40T | GC2030 | GC2040 | GC4330 | GC4340 | M30B | GC1010 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Espesor de viruta máx., $h_{ex}$ mm** | | | | | | | | | | |
| 0.05-0.15-0.25 | 0.05-0.15-0.25 | 0.1-0.2-0.25 | 0.05-0.15-0.25 | 0.1-0.2-0.25 | 0.1-0.2-0.25 | 0.1-0.2-0.3 | 0.1-0.2-0.4 | 0.05-0.1-0.2 | | |
| **Velocidad de corte $v_c$, m/min** | | | | | | | | | | |
| 210 –195 –185 | 285 –265 –250 | 295 –280 –275 | 260 –250 –235 | 285 –270 –265 | 325 –310 –305 | 250 –240 –225 | 275-270-255 | 340-335-325 | | |
| 145 –140 –130 | 200 –185 –175 | 205 –195 –275 | 185 –175 –170 | 195 –185 –180 | 225 –215 –210 | 165 –160 –150 | 195-190-180 | 245-240-235 | | |
| 155 –145 –135 | 210 –195 –180 | 215 –205 –200 | 195 –185 –175 | 205 –195 –190 | 235 –225 –220 | 190 –180 –170 | 200-195-190 | 255-250-240 | | |
| 205 –190 –175 | 280 –260 –245 | 250 –235 –230 | 255 –245 –230 | 240 –225 –220 | - | 220 –210 –200 | - | 320-310-300 | | |
| 140 –135 –125 | 190 –180 –170 | 195 –185 –180 | 180 –170 –160 | 190 –180 –175 | - | 160 –150 –145 | - | 235-230-225 | | |
| 140 –130 –120 | 190 –180 –170 | 175 –165 –160 | - | - | - | - | - | 190-180-170 | | |
| 170 –160 –150 | 230 –215 –200 | 205 –195 –190 | 215 –205 –195 | 200 –190 –185 | - | 200 –190 –180 | - | 310-300-295 | | |
| 140 –130 –125 | 195 –180 –170 | 165 –160 –155 | 180 –170 –160 | 160 –155 –150 | - | 160 –155 –145 | - | 275-270-260 | | |
| 185 –175 –165 | 250 –235 –220 | 2 –250 –235 | 235 –225 –210 | 250 –240 –235 | 290 –275 –270 | 225 –210 –200 | 245-240-230 | 305-295-290 | | |
| 130 –120 –110 | 175 –165 –155 | 180 –170 –165 | 160 –155 –145 | 170 –165 –160 | 195 –185 –185 | 145 –140 –130 | 170-170-160 | 215-210-205 | | |
| 185 –175 –170 | 190 –180 –165 | 200 –190 –185 | 175 –165 –160 | 190 –180 –175 | 215 –205 –200 | 175 –165 –155 | 185-180-175 | 235-225-220 | | |
| 195 –180 –170 | 265 –250 –235 | 240 –225 –220 | 245 –230 –220 | 230 –215 –210 | - | 210 –200 –190 | - | 300-295-285 | | |
| 130 –120 –110 | 175 –165 –155 | 180 –170 –165 | 160 –155 –145 | 170 –165 –160 | - | 145 –140 –130 | - | 215-210-205 | | |
| 125 –120 –110 | 175 –160 –150 | 155 –145 –145 | - | - | - | - | - | - | | |
| 160 –150 –140 | 220 –205 –190 | 195 –185 –180 | 205 –195 –185 | 190 –180 –175 | - | 190 –180 –170 | - | 295-285-280 | | |
| 130 –125 –115 | 180 –170 –160 | 160 –150 –145 | 165 –160 –150 | 150 –145 –140 | - | 150 –140 –135 | - | 255-250-245 | | |

| GC3220 | GC3330 | GC3040 | K20W | GC4330 | GC4340 | GC1020 | H13A | GC1010 | K20M | K15W |
|---|---|---|---|---|---|---|---|---|---|---|
| **Espesor de viruta máx., $h_{ex}$ mm** | | | | | | | | | | |
| 0.1-0.15-0.25 | 0.1-0.2-0.3 | 0.1-0.2-0.3 | 0.1-0.2-0.3 | 0.1-0.15-0.25 | 0.1-0.15-0.25 | 0.1-0.2-0.3 | 0.1-0.2-0.3 | 0.1-0.2-0.3 | 0.1-0.2-0.3 | 0.1-0.2-0.3 |
| **Velocidad de corte $v_c$, m/min** | | | | | | | | | | |
| 310–305–290 | 305–290–280 | 280–270–255 | 260–250–240 | 250–245–235 | 225–220–210 | 240–230–220 | 135-130-125 | 250-245-235 | 295-290-275 | - |
| 255–250–240 | 250–240–230 | 230–220–210 | 215–205–195 | 205–200–190 | 185–185–175 | 195–190–180 | 110-110-105 | 205-200-190 | 245-240-225 | - |
| 340–330–315 | 330–315–300 | 305–290–280 | 285–270–260 | 270–265–255 | 250–240–230 | 260–250–240 | 145-140-140 | 270-265-255 | 320-315-300 | 285-270-260 |
| 270–265–255 | 265–255–240 | 245–235–225 | 225–215–210 | 215–210–205 | 200–195–185 | 205–200–190 | 120-115-110 | 215-210-205 | 260-250-240 | 225-215-210 |
| 210–205–200 | 330–315–300 | 190–185–175 | 180–170–165 | 170–165–160 | 155–150–145 | 160–155–150 | 95-90-85 | 170-165-160 | 200-195-190 | - |
| 195–195–185 | 265–255–240 | 175–170–160 | 165–160–150 | 155–155–145 | 145–140–135 | 150–145–140 | 85-85-80 | 155-155-145 | 185-185-175 | - |

# Fresado de empañe pequeño

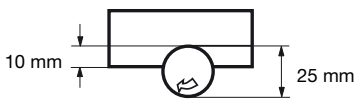
| ISO N | | | Fuerza de corte específica $k_{c1}$ | Dureza Brinell | | CD10 | CT530 | H10 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Espesor de viruta máx., $h_{ex}$ mm | | |
| | | | | | | 0.1 – 0.15 – 0.2 | 0.1 – 0.15 – 0.2 | 0.1-0.15-0.2 |
| Núm. MC | N.° CMC | Material | N/mm² | HB | mc | Velocidad de corte $v_c$, m/min | | |
| | | **Aleaciones de aluminio** | | | | | | |
| N1.2.Z.UT | 30.11 | Forjadas o forjadas y trabajadas en frío, sin envejecimiento | 400 | 60 | | 2100 –2100 –2050 | 1150 –1150 –1100 | 1050-1050-1000 |
| N1.2.Z.AG | 30.12 | Forjadas o forjadas y envejecidas | 650 | 100 | | 1900 –1850 –1850 | 1050 –1050 –1000 | 950-940-920 |
| | | **Aleaciones de aluminio** | | | | | | |
| N1.3.C.UT | 30.21 | Fundidas, no envejecidas | 600 | 75 | 0.25 | 2100 –2100 –2050 | 1150 –1150 –1000 | 1050-1050-1000 |
| N1.3.C.AG | 30.22 | Fundidas, o fundidas y envejecidas | 700 | 90 | 0.25 | 1900 –1900 –1850 | 1050 –1050 –1100 | 950-940-920 |
| | | **Aleaciones de aluminio** | | | | | | |
| N1.1.Z.UT | 30.3 | Al >99% | 350 | 30 | | 2150 –2100 –2050 | 1150 –1150 –1150 | 1050-1050-1050 |
| | | **Aleaciones de aluminio** | | | | | | |
| | 30.41 | Fundidas, 13–15% Si | 700 | 130 | | 850 –840 –820 | 470 –460 –450 | 425-420-410 |
| N1.4.C.NS | 30.42 | Fundidas, 16–22% Si | 700 | 130 | | 640 –630 –620 | 350 –345 –340 | 320-315-310 |
| | | **Cobre y aleaciones de cobre** | | | | | | |
| N3.3.U.UT | 33.1 | Aleaciones de fácil mecanización, ≥1% Pb | 550 | 110 | 0.25 | 1050 –1050 –1050 | 580 –570 –560 | 530-520-510 |
| N3.2.C.UT | 33.2 | Latón, bronces con plomo, ≤1% Pb | 550 | 90 | | 1050 –1050 –1000 | 580 –570 –560 | 530-520-510 |
| N3.1.U.UT | 33.3 | Bronce y cobre sin plomo, incl. cobre electrolítico | 1350 | 100 | 0.25 | 740 –730 –720 | 410 –400 –395 | 370-365-360 |

| ISO S | | | Fuerza de corte específica $k_{c1}$ | Dureza Brinell | | GC1025 | GC1130 | GC1010 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Espesor de viruta máx., $h_{ex}$ mm | | |
| | | | | | | 0.05 – 0.15 – 0.2 | 0.05-0.15-0.2 | 0.1-0.15-0.2 |
| Núm. MC | N.° CMC | Material | N/mm² | HB | mc | Velocidad de corte $v_c$, m/min | | |
| | | **Superaleaciones termorresistentes** | | | | | | |
| | | **Base de hierro** | | | | | | |
| S1.0.U.AN | 20.11 | Recocidas o tratadas en solución | 2400 | 200 | 0.25 | 70 –70 –70 | 70-70-70 | - |
| S1.0.U.AG | 20.12 | Envejecidas o tratadas en solución y envejecidas | 2500 | 280 | 0.25 | 55 –50 –50 | 55-50-50 | - |
| | | **Base de níquel** | | | | | | |
| S2.0.Z.AN | 20.21 | Recocidas o tratadas en solución | 2650 | 250 | 0.25 | 70 –65 –65 | 70-65-65 | - |
| S2.0.Z.AG | 20.22 | Envejecidas o tratadas en solución y envejecidas | 2900 | 350 | 0.25 | 45 –40 –40 | 45-40-40 | - |
| S2.0.C.NS | 20.24 | Fundición, o fundición y envejecido | 3000 | 320 | 0.25 | 55 –50 –50 | 55-50-50 | - |
| | | **Base de cobalto** | | | | | | |
| S3.0.Z.AN | 20.31 | Recocidas o tratadas en solución | 2700 | 200 | 0.25 | 30 –29 –28 | 30-29-28 | - |
| S3.0.Z.AG | 20.32 | Tratadas en solución y envejecidas | 3000 | 300 | 0.25 | 21 –20 –20 | 21-20-20 | - |
| S3.0.C.NS | 20.33 | Fundición, o fundición y envejecido | 3100 | 320 | 0.25 | 20 –19 –18 | 20-19-18 | - |
| | | **Aleaciones de titanio1)** | | **Rm**[1)] | | | | |
| S4.1.Z.UT | 23.1 | Puro comercial (99,5% Ti) | 1300 | 400 | 0.23 | 150 –145 –140 | 150-145-140 | 170-165-160 |
| S4.2.Z.AN | 23.21 | aleaciones de α, α próximo y α + β, aleaciones de | 1400 | 950 | 0.23 | 65 –65 –65 | 65 –65 –65 | 75-75-70 |
| S4.3.Z.AG | 23.22 | α + β recocidas y envejecidas, aleaciones de β, recocidas o envejecidas | 1400 | 1050 | 0.23 | 55 –50 –50 | 55 –50 –50 | 65-60-66 |

| ISO H | | | Fuerza de corte específica $k_{c1}$ | Dureza Brinell | | CB50 | CT530 | GC1025 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | Espesor de viruta máx., $h_{ex}$ mm | | |
| | | | | | | 0.07 – 0.12 – 0.2 | 0.07 – 0.1 – 0.2 | 0.07 – 0.12 – 0.2 |
| Núm. MC | N.° CMC | Material | N/mm² | HB | mc | Velocidad de corte $v_c$, m/min | | |
| | | **Acero extraduro** | | | | | | |
| H1.3.Z.HA | 04.1 | Endurecido y templado | 4200 | 59 HRC | 0.25 | 190 –180 –175 | 95 –90 –85 | 45 -45 -45 |
| | | **Fundición en coquilla** | | | | | | |
| H2.0.C.UT | 10.1 | Fundición, o fundición y envejecido | 2250 | 400 | 0.28 | 355 –345 –330 | 180 –175 –165 | 90 -85 -85 |

1) Ángulo de posición de 45-60°. Se debe utilizar geometría de corte positiva y refrigerante.

2) Rm = resistencia a la tracción última, medida en MPa.




**Condiciones:**
Fresado lateral. Diá. fresa 25 mm. Empañe de 10 mm.

SPA

| GC1025 | GC1130 | H10F | H13A | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Espesor de viruta máx., $h_{ex}$ mm** | | | | | | | | | | |
| 0.1-0.15-0.2 | 0.1-0.15-0.2 | 0.1-0.15-0.2 | 0.1-0.15-0.2 | | | | | | | |
| **Velocidad de corte $v_c$, m/min** | | | | | | | | | | |
| 1100 –1100 –1050 | 1100 –1100 –1050 | 1050 –1050 –1000 | 850 –830 –820 | | | | | | | |
| 1000 –980 –970 | 1000 –980 –970 | 950 –940 –920 | 760 –750 –740 | | | | | | | |
| 1100 –1100 –1050 | 1100 –1100 –1050 | 1050 –1050 –1000 | 850 –830 –820 | | | | | | | |
| 110 –1100 –1100 | 1100 –1100 –1100 | 950 –940 –920 | 760 –750 –740 | | | | | | | |
| 1100 –1100 –1100 | 1100 –1100 –1100 | 1050 –1050 –1050 | 850 –840 –825 | | | | | | | |
| 445 –440 –430 | 445 –440 –430 | 425 –420 –410 | 340 –335 –330 | | | | | | | |
| 335 –330 –325 | 335 –330 –325 | 320 –315 –310 | 255 –250 –245 | | | | | | | |
| 560 –550 –540 | 560 –550 –540 | 530 –520 –510 | 425 –415 –410 | | | | | | | |
| 560 –550 –540 | 560 –550 –540 | 530 –520 –510 | 425 –415 –410 | | | | | | | |
| 390 –380 –375 | 390 –380 –375 | 370 –365 –360 | 295 –290 –285 | | | | | | | |

| H13A | H10F | S30T | S40T | GC2030 | GC2040 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Espesor de viruta máx., $h_{ex}$ mm** | | | | | | | | | | |
| 0.1-0.15-0.2 | 0.1-0.2-0.3 | 0.1-0.15-0.2 | 0.1-0.15-0.2 | 0.05-0.15-0.2 | 0.05-0.15-0.25 | | | | | |
| **Velocidad de corte $v_c$, m/min** | | | | | | | | | | |
| 65-65-65 | 60 –60 –60 | – | – | 65 –65 –65 | 70 –65 –65 | | | | | |
| 50-50-50 | 45 –45 –40 | – | – | 50 –50 –45 | 50 –50 –45 | | | | | |
| 65-65-60 | 60 –55 –55 | – | – | 65 –60 –60 | 65 –65 –60 | | | | | |
| 40-39-38 | 36 –35 –33 | – | – | 40 –38 –38 | 40 –39 –38 | | | | | |
| 50-50-50 | 45 –45 –40 | – | – | 50 –45 –45 | 50 –50 –45 | | | | | |
| 28-27-26 | 26 –24 –23 | – | – | 28 –27 –26 | 28 –27 –26 | | | | | |
| 20-19-19 | 18 –17 –16 | – | – | 20 –19 –19 | 20 –19 –19 | | | | | |
| 19-19-18 | 17 –16 –16 | – | – | 19 –18 –17 | 19 –18 –17 | | | | | |
| 140-140-135 | 130 –125 –120 | 170 –165 –160 | 145 –145 –140 | 140 –135 –130 | 145 –140 –135 | | | | | |
| 55-55-55 | 50 –50 –45 | 75 -75 -70 | 55-50-50 | 55-55-55 | 50 –50 –50 | | | | | |
| 45-40-40 | 38 –37 –36 | 65 –60 –66 | 45-45-45 | 50 –45 –45 | 45 –40 –40 | | | | | |

| GC4220 | GC3040 | GC1010 | GC1130 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Espesor de viruta máx., $h_{ex}$ mm** | | | | | | | | | | |
| 0.1-0.12-0.25 | 0.1-0.2-0.25 | 0.07-0.12-0.2 | 0.07-0.12-0.2 | | | | | | | |
| **Velocidad de corte $v_c$, m/min** | | | | | | | | | | |
| 65–65–60 | 55-50-50 | 130-125-120 | 45-45-45 | | | | | | | |
| 125–125–115 | 100-95-95 | 250-240-230 | 90-85-85 | | | | | | | |

# Herramientas de planeado

## CoroMill® 345

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| 345L-1305M-PM | 0.3 | (0.16-0.4) | 0.21 | (0.11-0.28) |
| 345R-1305E-KL | 0.11 | (0.07-0.2) | 0.08 | (0.05-0.14) |
| 345R-1305E-KM | 0.3 | (0.16-0.4) | 0.21 | (0.11-0.28) |
| 345R-1305E-PL | 0.11 | (0.07-0.2) | 0.08 | (0.05-0.14) |
| 345R-1305M-KH | 0.35 | (0.3-0.49) | 0.25 | (0.21-0.35) |
| 345R-1305M-KL | 0.16 | (0.07-0.23) | 0.11 | (0.05-0.16) |
| 345R-1305M-KM | 0.3 | (0.16-0.4) | 0.21 | (0.11-0.28) |
| 345R-1305M-PH | 0.45 | (0.35-0.55) | 0.32 | (0.25-0.39) |
| 345R-1305M-PL | 0.17 | (0.07-0.21) | 0.12 | (0.05-0.15) |
| 345R-1305M-PM | 0.3 | (0.16-0.4) | 0.21 | (0.11-0.28) |
| 345R-13T5E-ML | 0.11 | (0.07-0.2) | 0.08 | (0.05-0.14) |
| 345R-13T5E-MM | 0.11 | (0.07-0.2) | 0.08 | (0.05-0.14) |
| 345R-13T5M-MM | 0.25 | (0.16-0.34) | 0.18 | (0.11-0.24) |

## CoroMill® 245

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| R245-12T3E | 0.24 | (0.1-0.28) | 0.1 | (0.06-0.15) |
| R245-12T3E-AL | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| R245-12T3E-KL | 0.14 | (0.08-0.21) | 0.1 | (0.06-0.15) |
| R245-12T3E-ML | 0.14 | (0.08-0.21) | 0.1 | (0.06-0.15) |
| R245-12T3E-PL | 0.14 | (0.08-0.21) | 0.1 | (0.06-0.15) |
| R245-12T3K-MM | 0.23 | (0.1-0.28) | 0.16 | (0.07-0.2) |
| R245-12T3M-KH | 0.35 | (0.1-0.42) | 0.25 | (0.07-0.3) |
| R245-12T3M-KL | 0.17 | (0.08-0.21) | 0.12 | (0.06-0.15) |
| R245-12T3M-KM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| R245-12T3M-PH | 0.35 | (0.1-0.42) | 0.25 | (0.07-0.3) |
| R245-12T3M-PL | 0.17 | (0.08-0.21) | 0.12 | (0.06-0.15) |
| R245-12T3M-PM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| R245-18T6M-KM | 0.28 | (0.16-0.49) | 0.2 | (0.11-0.35) |
| R245-18T6M-MM | 0.28 | (0.16-0.49) | 0.2 | (0.11-0.35) |
| R245-18T6M-PM | 0.28 | (0.16-0.49) | 0.2 | (0.11-0.35) |

## CoroMill® 419

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| 419N-140530E-SM | 0.61 | (0.4-1.2) | 0.2 | (0.13-0.39) |
| 419N-140530M-KH | 0.98 | (0.49-2) | 0.32 | (0.16-0.65) |
| 419R-1405E-MM | 0.71 | (0.34-1.2) | 0.23 | (0.11-0.39) |
| 419R-1405M-PH | 0.98 | (0.46-2) | 0.32 | (0.15-0.65) |
| 419R-1405M-PM | 0.8 | (0.4-1.78) | 0.26 | (0.13-0.58) |

## CoroMill® 210

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| R210-090412M-KM | 0.98 | (0.4-1.5) | 0.17 | (0.07-0.26) |
| R210-090412M-MM | 1.5 | (0.4-2.02) | 0.26 | (0.07-0.35) |
| R210-090412M-PM | 0.98 | (0.4-1.5) | 0.17 | (0.07-0.26) |
| R210-090414E-KM | 1.5 | (0.4-2.02) | 0.26 | (0.07-0.35) |
| R210-090414E-MM | 1.5 | (0.4-2.02) | 0.26 | (0.07-0.35) |
| R210-090414E-PM | 1.5 | (0.4-2.02) | 0.26 | (0.07-0.35) |
| R210-140512M-KM | 1.5 | (0.4-2.02) | 0.26 | (0.07-0.35) |
| R210-140512M-MM | 2.02 | (0.4-2.99) | 0.35 | (0.07-0.52) |
| R210-140512M-PM | 1.5 | (0.4-2.02) | 0.26 | (0.07-0.35) |
| R210-140514E-KM | 1.5 | (0.4-2.02) | 0.26 | (0.07-0.35) |
| R210-140514E-MM | 2.02 | (0.4-2.99) | 0.35 | (0.07-0.52) |
| R210-140514E-PM | 1.5 | (0.4-2.02) | 0.26 | (0.07-0.35) |

SPA

# Herramientas de planeado

## CoroMill® 415

| Código de pedido | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| 415N-050206M-M30 | 0.39 | (0.3-0.5) | 0.1 | (0.08-0.13) |
| 415N-070310M-M30 | 0.46 | (0.35-0.55) | 0.12 | (0.09-0.14) |
| 415N-070320E-M30 | 0.46 | (0.35-0.55) | 0.12 | (0.09-0.14) |
| 415N-070320M-M30 | 0.46 | (0.35-0.55) | 0.12 | (0.09-0.14) |
| 415N-050212E-M30 | 0.39 | (0.35-0.55) | 0.1 | (0.08-0.13) |
| 415N-050212M-M30 | 0.39 | (0.35-0.55) | 0.1 | (0.08-0.13) |

## CoroMill® 425

| Código de pedido | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| 425N-1707E-KLW12 | 0.19 | (0.02-0.28) | 0.08 | (0.01-0.12) |

## CoroMill® 745

| Código de pedido | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| 745L-2109E-M50 | 0.25 | (0.18-0.42) | 0.17 | (0.12-0.28) |
| * | 0.61 | (0.44-1.02) | 0.17 | (0.12-0.28) |
| 745R-2109E-H50 | 0.3 | (0.21-0.45) | 0.2 | (0.11-0.3) |
| * | 0.73 | (0.51-1.09) | 0.2 | (0.14-0.30) |
| 745R-2109E-M30 | 0.21 | (0.15-0.3) | 0.14 | (0.4-0.2) |
| * | 0.51 | (0.36-0.73) | 0.14 | (0.10-0.20) |
| 745R-2109E-M31 | 0.21 | (0.15-0.3) | 0.14 | (0.1-0.2) |
| 745R-2109E-M50 | 0.25 | (0.18-0.42) | 0.17 | (0.12-0.28) |
| * | 0.61 | (0.44-0.90) | 0.17 | (0.12-0.28) |

* Fresa de alto avance

# Herramientas de fresado en escuadra

## CoroMill® 490

| Código de pedido | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| 490L-140408M-PM | 0.17 | (0.12-0.25) | 0.17 | (0.12-0.25) |
| 490R-08T304E-ML | 0.13 | (0.08-0.18) | 0.13 | (0.08-0.18) |
| 490R-08T304M-KL | 0.12 | (0.05-0.15) | 0.12 | (0.05-0.15) |
| 490R-08T304M-PL | 0.08 | (0.05-0.12) | 0.08 | (0.05-0.12) |
| 490R-08T308E-ML | 0.14 | (0.08-0.18) | 0.14 | (0.08-0.18) |
| 490R-08T308E-MM | 0.17 | (0.12-0.22) | 0.17 | (0.12-0.22) |
| 490R-08T308M-KH | 0.24 | (0.15-0.3) | 0.24 | (0.15-0.3) |
| 490R-08T308M-KL | 0.12 | (0.05-0.15) | 0.12 | (0.05-0.15) |
| 490R-08T308M-KM | 0.17 | (0.1-0.2) | 0.17 | (0.1-0.2) |
| 490R-08T308M-MM | 0.16 | (0.1-0.2) | 0.16 | (0.1-0.2) |
| 490R-08T308M-PH | 0.2 | (0.15-0.25) | 0.2 | (0.15-0.25) |
| 490R-08T308M-PL | 0.1 | (0.05-0.15) | 0.1 | (0.05-0.15) |
| 490R-08T308M-PM | 0.15 | (0.1-0.2) | 0.15 | (0.1-0.2) |
| 490R-08T312E-MM | 0.17 | (0.12-0.22) | 0.17 | (0.12-0.22) |
| 490R-08T312M-KM | 0.17 | (0.1-0.2) | 0.17 | (0.1-0.2) |
| 490R-08T312M-PM | 0.14 | (0.08-0.18) | 0.14 | (0.08-0.18) |
| 490R-08T316E-MM | 0.17 | (0.12-0.22) | 0.17 | (0.12-0.22) |
| 490R-08T316M-KH | 0.24 | (0.15-0.3) | 0.24 | (0.15-0.3) |
| 490R-08T316M-KM | 0.17 | (0.1-0.2) | 0.17 | (0.1-0.2) |
| 490R-08T316M-PH | 0.21 | (0.15-0.25) | 0.21 | (0.15-0.25) |
| 490R-08T316M-PM | 0.14 | (0.08-0.18) | 0.14 | (0.08-0.18) |
| 490R-140408E | 0.1 | (0.08-0.15) | 0.1 | (0.08-0.15) |
| 490R-140408E-ML | 0.14 | (0.08-0.18) | 0.14 | (0.08-0.18) |
| 490R-140408E-MM | 0.17 | (0.12-0.22) | 0.17 | (0.12-0.22) |
| 490R-140408M-MM | 0.16 | (0.12-0.2) | 0.16 | (0.12-0.2) |
| 490R-140408M-PH | 0.28 | (0.2-0.35) | 0.28 | (0.2-0.35) |
| 490R-140408M-PL | 0.1 | (0.05-0.15) | 0.1 | (0.05-0.15) |
| 490R-140408M-PM | 0.17 | (0.12-0.25) | 0.17 | (0.12-0.25) |
| 490R-140412E-MM | 0.17 | (0.12-0.22) | 0.17 | (0.12-0.22) |
| 490R-140412M-PM | 0.17 | (0.12-0.25) | 0.17 | (0.12-0.25) |
| 490R-140416E-MM | 0.17 | (0.12-0.22) | 0.17 | (0.12-0.22) |
| 490R-140416M-PM | 0.17 | (0.12-0.25) | 0.17 | (0.12-0.25) |
| 490R-140420E | 0.1 | (0.08-0.15) | 0.1 | (0.08-0.15) |
| 490R-140420E-MM | 0.16 | (0.12-0.2) | 0.17 | (0.12-0.22) |
| 490R-140420M-MM | 0.16 | (0.12-0.2) | 0.16 | (0.12-0.2) |
| 490R-140420M-PH | 0.28 | (0.2-0.35) | 0.28 | (0.2-0.35) |
| 490R-140420M-PM | 0.17 | (0.12-0.25) | 0.17 | (0.12-0.25) |

# Herramientas de fresado en escuadra

## CoroMill® 390

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| 390R-070202E-ML | 0.05 | (0.02-0.07) | 0.05 | (0.02-0.07) |
| 390R-070202E-NL | 0.1 | (0.02-0.2) | 0.1 | (0.02-0.2) |
| 390R-070202E-PL | 0.05 | (0.02-0.07) | 0.05 | (0.02-0.07) |
| 390R-070202M-MM | 0.07 | (0.03-0.1) | 0.07 | (0.03-0.1) |
| 390R-070202M-PM | 0.07 | (0.03-0.1) | 0.07 | (0.03-0.1) |
| 390R-070204E-KL | 0.07 | (0.03-0.1) | 0.05 | (0.02-0.07) |
| 390R-070204E-ML | 0.05 | (0.02-0.07) | 0.05 | (0.02-0.07) |
| 390R-070204E-MM | 0.07 | (0.03-0.1) | 0.07 | (0.03-0.1) |
| 390R-070204E-NL | 0.05 | (0.02-0.07) | 0.1 | (0.02-0.2) |
| 390R-070204E-PL | 0.05 | (0.02-0.07) | 0.05 | (0.02-0.07) |
| 390R-070204M-KM | 0.07 | (0.03-0.1) | 0.07 | (0.03-0.1) |
| 390R-070204M-MM | 0.07 | (0.03-0.1) | 0.07 | (0.03-0.1) |
| 390R-070204M-PM | 0.07 | (0.03-0.1) | 0.07 | (0.03-0.1) |
| 390R-070208E-KL | 0.07 | (0.03-0.1) | 0.05 | (0.02-0.07) |
| 390R-070208E-ML | 0.05 | (0.02-0.07) | 0.05 | (0.02-0.07) |
| 390R-070208E-MM | 0.07 | (0.03-0.1) | 0.07 | (0.03-0.1) |
| 390R-070208E-NL | 0.05 | (0.02-0.07) | 0.1 | (0.02-0.2) |
| 390R-070208E-PL | 0.05 | (0.02-0.07) | 0.05 | (0.02-0.07) |
| 390R-070208M-KM | 0.07 | (0.03-0.1) | 0.07 | (0.03-0.1) |
| 390R-070208M-MM | 0.07 | (0.03-0.1) | 0.07 | (0.03-0.1) |
| 390R-070208M-PM | 0.07 | (0.03-0.1) | 0.07 | (0.03-0.1) |
| 390R-070212E-ML | 0.07 | (0.03-0.1) | 0.05 | (0.02-0.07) |
| 390R-070212E-PL | 0.05 | (0.02-0.07) | 0.05 | (0.02-0.07) |
| 390R-070212M-MM | 0.1 | (0.02-0.2) | 0.07 | (0.03-0.1) |
| 390R-070212M-PM | 0.07 | (0.03-0.1) | 0.07 | (0.03-0.1) |
| 390R-070216E-ML | 0.07 | (0.03-0.1) | 0.05 | (0.02-0.07) |
| 390R-070216E-PL | 0.07 | (0.03-0.1) | 0.05 | (0.02-0.07) |
| 390R-070216M-KM | 0.05 | (0.02-0.07) | 0.07 | (0.03-0.1) |
| 390R-070216M-MM | 0.1 | (0.02-0.2) | 0.07 | (0.03-0.1) |
| 390R-070216M-PM | 0.12 | (0.08-0.2) | 0.07 | (0.03-0.1) |
| R390-11T302E-KM | 0.1 | (0.08-0.15) | 0.1 | (0.08-0.18) |
| R390-11T302E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T302E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T304E-PL | 0.08 | (0.05-0.15) | 0.08 | (0.05-0.15) |
| R390-11T304M-KM | 0.1 | (0.08-0.15) | 0.1 | (0.08-0.15) |
| R390-11T304M-PM | 0.1 | (0.08-0.15) | 0.1 | (0.08-0.15) |
| R390-11T308E-KL | 0.08 | (0.05-0.15) | 0.08 | (0.05-0.15) |
| R390-11T308E-ML | 0.08 | (0.04-0.15) | 0.08 | (0.04-0.15) |
| R390-11T308E-NL | 0.18 | (0.06-0.35) | 0.15 | (0.05-0.25) |
| R390-11T308E-PL | 0.08 | (0.05-0.15) | 0.08 | (0.05-0.15) |
| R390-11T308E-PLW | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T308M-KL | 0.08 | (0.05-0.15) | 0.08 | (0.05-0.15) |
| R390-11T308M-KM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T308M-MM | 0.13 | (0.08-0.2) | 0.13 | (0.08-0.2) |
| R390-11T308M-PL | 0.08 | (0.05-0.15) | 0.08 | (0.05-0.15) |
| R390-11T308M-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T310M-KH | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T310M-MH | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T310M-PH | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T312E-KM | 0.1 | (0.08-0.18) | 0.1 | (0.08-0.18) |
| R390-11T312E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T312E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T316E-KM | 0.15 | (0.1-0.25) | 0.1 | (0.08-0.18) |
| R390-11T316E-ML | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T316E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T316E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T316M-KM | 0.12 | (0.08-0.2) | 0.15 | (0.1-0.25) |
| R390-11T316M-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T320E-KM | 0.1 | (0.08-0.18) | 0.1 | (0.08-0.18) |
| R390-11T320E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T320E-NL | 0.18 | (0.06-0.4) | 0.18 | (0.06-0.35) |
| R390-11T320E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T324E-KM | 0.1 | (0.08-0.18) | 0.1 | (0.08-0.18) |
| R390-11T324E-ML | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T324E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T324E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T331E-KM | 0.15 | (0.1-0.25) | 0.1 | (0.08-0.18) |
| R390-11T331E-ML | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T331E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T331E-NL | 0.18 | (0.06-0.4) | 0.18 | (0.06-0.4) |
| R390-11T331E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T331M-KM | 0.12 | (0.08-0.2) | 0.15 | (0.1-0.25) |

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# Herramientas de fresado en escuadra

## CoroMill® 390

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| R390-11T331M-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-11T304E-P4-NL | 0.17 | (0.1-0.2) | 0.17 | (0.1-0.2) |
| R390-170404E-KM | 0.1 | (0.08-0.15) | 0.1 | (0.08-0.18) |
| R390-170404E-MM | 0.15 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170404E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170404M-KM | 0.1 | (0.08-0.15) | 0.1 | (0.08-0.15) |
| R390-170404M-PM | 0.1 | (0.08-0.15) | 0.1 | (0.08-0.15) |
| R390-170408E-KL | 0.08 | (0.05-0.15) | 0.08 | (0.05-0.15) |
| R390-170408E-ML | 0.08 | (0.04-0.15) | 0.08 | (0.04-0.15) |
| R390-170408E-NL | 0.17 | (0.1-0.2) | 0.15 | (0.08-0.25) |
| R390-170408E-PL | 0.08 | (0.05-0.15) | 0.08 | (0.05-0.15) |
| R390-170408M-KH | 0.2 | (0.15-0.35) | 0.2 | (0.15-0.35) |
| R390-170408M-KL | 0.08 | (0.05-0.15) | 0.08 | (0.05-0.15) |
| R390-170408M-KM | 0.15 | (0.1-0.25) | 0.15 | (0.1-0.25) |
| R390-170408M-MM | 0.15 | (0.08-0.2) | 0.15 | (0.08-0.2) |
| R390-170408M-PH | 0.2 | (0.15-0.35) | 0.2 | (0.15-0.35) |
| R390-170408M-PL | 0.08 | (0.05-0.15) | 0.08 | (0.05-0.15) |
| R390-170408M-PM | 0.15 | (0.1-0.25) | 0.15 | (0.1-0.25) |
| R390-170412E-KM | 0.1 | (0.08-0.18) | 0.1 | (0.08-0.18) |
| R390-170412E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170412E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170416E-KM | 0.15 | (0.1-0.25) | 0.1 | (0.08-0.18) |
| R390-170416E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170416E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170416M-KM | 0.12 | (0.08-0.2) | 0.15 | (0.1-0.25) |
| R390-170416M-PH | 0.2 | (0.15-0.35) | 0.2 | (0.15-0.35) |
| R390-170416M-PM | 0.15 | (0.1-0.25) | 0.15 | (0.1-0.25) |
| R390-170420E-KM | 0.1 | (0.08-0.18) | 0.1 | (0.08-0.18) |
| R390-170420E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170420E-NL | 0.2 | (0.12-0.32) | 0.2 | (0.1-0.3) |
| R390-170420E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170424E-KM | 0.1 | (0.08-0.18) | 0.1 | (0.08-0.18) |
| R390-170424E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170424E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170431E-KM | 0.15 | (0.1-0.25) | 0.1 | (0.08-0.18) |
| R390-170431E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170431E-NL | 0.2 | (0.12-0.32) | 0.2 | (0.12-0.32) |
| R390-170431E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170431M-KM | 0.12 | (0.08-0.2) | 0.15 | (0.1-0.25) |
| R390-170431M-PM | 0.15 | (0.1-0.25) | 0.15 | (0.1-0.25) |
| R390-170440E-KM | 0.1 | (0.08-0.18) | 0.1 | (0.08-0.18) |
| R390-170440E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170440E-NL | 0.2 | (0.12-0.4) | 0.2 | (0.12-0.32) |
| R390-170440E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170448E-KM | 0.1 | (0.08-0.18) | 0.1 | (0.08-0.18) |
| R390-170448E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170448E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170450E-KM | 0.1 | (0.08-0.18) | 0.1 | (0.08-0.18) |
| R390-170450E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170450E-NL | 0.2 | (0.12-0.4) | 0.2 | (0.12-0.4) |
| R390-170450E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170460E-KM | 0.1 | (0.08-0.18) | 0.1 | (0.08-0.18) |
| R390-170460E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170460E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170464E-KM | 0.08 | (0.04-0.15) | 0.1 | (0.08-0.18) |
| R390-170464E-MM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170464E-PM | 0.12 | (0.08-0.2) | 0.12 | (0.08-0.2) |
| R390-170408E-P6-NL | 0.17 | (0.1-0.2) | 0.17 | (0.1-0.2) |
| R390-180608H-KL | 0.11 | (0.05-0.22) | 0.11 | (0.05-0.22) |
| R390-180608H-ML | 0.11 | (0.05-0.22) | 0.11 | (0.05-0.22) |
| R390-180608H-PL | 0.11 | (0.05-0.22) | 0.11 | (0.05-0.22) |
| R390-180608M-KM | 0.2 | (0.08-0.3) | 0.2 | (0.08-0.3) |
| R390-180608M-MM | 0.18 | (0.1-0.3) | 0.18 | (0.1-0.3) |
| R390-180608M-PM | 0.2 | (0.08-0.3) | 0.2 | (0.08-0.3) |
| R390-180612H-KL | 0.11 | (0.05-0.22) | 0.11 | (0.05-0.22) |
| R390-180612H-ML | 0.11 | (0.05-0.22) | 0.11 | (0.05-0.22) |
| R390-180612H-PL | 0.11 | (0.05-0.22) | 0.11 | (0.05-0.22) |
| R390-180612M-KM | 0.2 | (0.08-0.3) | 0.2 | (0.08-0.3) |
| R390-180612M-KMR | 0.2 | (0.08-0.3) | 0.2 | (0.08-0.3) |
| R390-180612M-MM | 0.18 | (0.1-0.3) | 0.18 | (0.1-0.3) |
| R390-180612M-MMR | 0.18 | (0.1-0.3) | 0.18 | (0.1-0.3) |
| R390-180612M-PM | 0.2 | (0.08-0.3) | 0.2 | (0.08-0.3) |

# Herramientas de fresado en escuadra

## CoroMill® 390

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| R390-180612M-PMR | 0.2 | (0.08-0.3) | 0.2 | (0.08-0.3) |
| R390-180616H-ML | 0.12 | (0.05-0.22) | 0.12 | (0.05-0.22) |
| R390-180616H-PL | 0.12 | (0.05-0.22) | 0.12 | (0.05-0.22) |
| R390-180616M-KM | 0.2 | (0.08-0.3) | 0.2 | (0.08-0.3) |
| R390-180616M-MM | 0.18 | (0.1-0.3) | 0.18 | (0.1-0.3) |
| R390-180616M-PM | 0.2 | (0.08-0.3) | 0.2 | (0.08-0.3) |
| R390-180620H-ML | 0.12 | (0.05-0.22) | 0.12 | (0.05-0.22) |
| R390-180620H-PL | 0.12 | (0.05-0.22) | 0.12 | (0.05-0.22) |
| R390-180620M-KM | 0.2 | (0.08-0.3) | 0.2 | (0.08-0.3) |
| R390-180620M-MM | 0.18 | (0.1-0.3) | 0.18 | (0.1-0.3) |
| R390-180620M-PM | 0.2 | (0.08-0.3) | 0.2 | (0.08-0.3) |
| R390-180624H-ML | 0.12 | (0.05-0.22) | 0.12 | (0.05-0.22) |
| R390-180624H-PL | 0.12 | (0.05-0.22) | 0.12 | (0.05-0.22) |
| R390-180631H-KL | 0.11 | (0.05-0.22) | 0.11 | (0.05-0.22) |
| R390-180631H-ML | 0.12 | (0.05-0.22) | 0.12 | (0.05-0.22) |
| R390-180631H-PL | 0.12 | (0.05-0.22) | 0.12 | (0.05-0.22) |
| R390-180631M-KM | 0.2 | (0.08-0.3) | 0.2 | (0.08-0.3) |
| R390-180631M-MM | 0.18 | (0.1-0.3) | 0.18 | (0.1-0.3) |
| R390-180631M-PM | 0.2 | (0.08-0.3) | 0.2 | (0.08-0.3) |
| R390-180640H-ML | 0.12 | (0.05-0.22) | 0.12 | (0.05-0.22) |
| R390-180640H-PL | 0.12 | (0.05-0.22) | 0.12 | (0.05-0.22) |
| R390-180650H-ML | 0.12 | (0.05-0.22) | 0.12 | (0.05-0.22) |
| R390-180650H-PL | 0.12 | (0.05-0.22) | 0.12 | (0.05-0.22) |
| R390-180660H-ML | 0.14 | (0.05-0.22) | 0.14 | (0.05-0.22) |
| R390-180660H-PL | 0.14 | (0.05-0.22) | 0.14 | (0.05-0.22) |
| R390-180664H-ML | 0.14 | (0.05-0.22) | 0.14 | (0.05-0.22) |
| R390-180664H-PL | 0.14 | (0.05-0.22) | 0.14 | (0.05-0.22) |

## CoroMill® 690

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| 690-100508M-E-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |
| 690-100510M-P-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |
| 690-100512M-E-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |
| 690-100516M-E-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |
| 690-100520M-E-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |
| 690-100531M-E-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |
| 690-140608M-E-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |
| 690-140610M-P-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |
| 690-140612M-E-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |
| 690-140616M-E-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |
| 690-140620M-E-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |
| 690-140624M-E-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |
| 690-140631M-E-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |
| 690-140650M-E-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |
| 690-140660M-E-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |
| 690-140664M-E-SL | 0.1 | (0.05-0.2) | 0.1 | (0.05-0.2) |

## CoroMill® Century

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| R590-110504H-NL | 0.15 | (0.05-0.3) | 0.2 | (0.1-0.4) |
| R590-110508H-KL | 0.12 | (0.07-0.2) | 0.08 | (0.05-0.15) |
| R590-110508H-PL | 0.12 | (0.01-0.15) | 0.08 | (0.05-0.15) |
| R590-110508H-PR2-KM | 0.2 | (0.1-0.4) | 0.2 | (0.1-0.3) |
| R590-1105H-PC2-NL | 0.15 | (0.05-0.3) | 0.15 | (0.05-0.3) |
| R590-1105H-PC5-NL | 0.15 | (0.05-0.3) | 0.15 | (0.05-0.3) |
| R590-1105H-PR2-NL | 0.15 | (0.05-0.3) | 0.15 | (0.05-0.3) |
| R590-1105H-PR5-NL | 0.15 | (0.05-0.3) | 0.15 | (0.05-0.3) |
| R590-1105H-PS2-NL | 0.15 | (0.05-0.3) | 0.15 | (0.05-0.3) |
| R590-1105H-PS5-NL | 0.15 | (0.05-0.3) | 0.15 | (0.05-0.3) |
| L590-1105H-ZC2-KL | 0.08 | (0.05-0.15) | 0.2 | (0.1-0.3) |
| R590-1105H-ZC2-KL | 0.2 | (0.1-0.3) | 0.2 | (0.1-0.3) |

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# Herramientas de fresado de disco

## CoroMill® 331

| Código de pedido | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| L331.1A-115030E-L50 | 0.10 | (0.02-0.12) | 0.08 | (0.02-0.10) |
| L331.1A-115040E-L50 | 0.10 | (0.02-0.12) | 0.08 | (0.02-0.10) |
| L331.1A-115048E-L50 | 0.10 | (0.02-0.12) | 0.08 | (0.02-0.10) |
| L331.1A-115063E-L50 | 0.10 | (0.02-0.12) | 0.08 | (0.02-0.10) |
| L331.1A-115015E-M30 | 0.14 | (0.05-0.20) | 0.12 | (0.04-0.17) |
| L331.1A-115023E-M30 | 0.14 | (0.05-0.20) | 0.12 | (0.04-0.17) |
| L331.1A-115030E-M30 | 0.14 | (0.05-0.20) | 0.12 | (0.04-0.17) |
| L331.1A-043515H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-043523H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-054515H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-054523H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-054530H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-084515H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-084523H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-084530H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-115015H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-115023H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-115030H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-115048H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-115063H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-145015H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-145023H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-145030H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-145048H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| L331.1A-145063H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-115030E-L50 | 0.10 | (0.02-0.12) | 0.08 | (0.02-0.10) |
| R331.1A-115040E-L50 | 0.10 | (0.02-0.12) | 0.08 | (0.02-0.10) |
| R331.1A-115048E-L50 | 0.10 | (0.02-0.12) | 0.08 | (0.02-0.10) |
| R331.1A-115063E-L50 | 0.10 | (0.02-0.12) | 0.08 | (0.02-0.10) |
| R331.1A-115015E-M30 | 0.14 | (0.05-0.20) | 0.12 | (0.04-0.17) |
| R331.1A-115023E-M30 | 0.14 | (0.05-0.20) | 0.12 | (0.04-0.17) |
| R331.1A-115030E-M30 | 0.14 | (0.05-0.20) | 0.12 | (0.04-0.17) |
| R331.1A-043515H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-043523H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-054515H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-054523H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-054530H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-084515H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-084523H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-084530H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-115015H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-115023H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-115030H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-115048H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-115063H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-145015H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-145023H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-145030H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-145048H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| R331.1A-145063H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-043505E-L30 | 0.06 | (0.01-0.08) | 0.05 | (0.01-0.07) |
| N331.1A-043505E-L50 | 0.10 | (0.02-0.18) | 0.08 | (0.02-0.15) |
| N331.1A-043505E-M30 | 0.14 | (0.05-0.20) | 0.12 | (0.04-0.17) |
| N331.1A-054508E-L30 | 0.06 | (0.01-0.08) | 0.05 | (0.01-0.07) |
| N331.1A-054508E-L50 | 0.10 | (0.02-0.18) | 0.08 | (0.02-0.15) |
| N331.1A-054508E-M30 | 0.14 | (0.05-0.20) | 0.12 | (0.04-0.17) |
| N331.1A-084508E-L30 | 0.06 | (0.01-0.08) | 0.05 | (0.01-0.07) |
| N331.1A-084508E-L50 | 0.10 | (0.02-0.18) | 0.08 | (0.02-0.15) |
| N331.1A-084508E-M30 | 0.14 | (0.05-0.20) | 0.12 | (0.04-0.17) |
| N331.1A-115008E-L30 | 0.06 | (0.01-0.08) | 0.05 | (0.01-0.07) |
| N331.1A-115008E-L50 | 0.10 | (0.02-0.18) | 0.08 | (0.02-0.15) |
| N331.1A-115008E-M30 | 0.14 | (0.05-0.20) | 0.12 | (0.04-0.17) |
| N331.1A-145008E-L30 | 0.06 | (0.01-0.08) | 0.05 | (0.01-0.07) |
| N331.1A-145008E-L50 | 0.10 | (0.02-0.18) | 0.08 | (0.02-0.15) |
| N331.1A-145008E-M30 | 0.14 | (0.05-0.20) | 0.12 | (0.04-0.17) |
| N331.1A-043505H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-054508H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-084508H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-115008H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-145008H-WL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-084508H-WM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-115008H-WM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-145008H-WM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |

| Código de pedido | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| N331.1A-043505H-ML | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-054508H-ML | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-084508H-ML | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-115008H-ML | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-145008H-ML | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-043505H-MM | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-054508H-MM | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-084508H-MM | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-115008H-MM | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-145008H-MM | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-043505H-NL | 0.12 | (0.01-0.18) | 0.1 | (0.01-0.15) |
| N331.1A-054508H-NL | 0.12 | (0.01-0.18) | 0.1 | (0.01-0.15) |
| N331.1A-084508H-NL | 0.12 | (0.01-0.18) | 0.1 | (0.01-0.15) |
| N331.1A-115008H-NL | 0.12 | (0.01-0.18) | 0.1 | (0.01-0.15) |
| N331.1A-145008H-NL | 0.12 | (0.01-0.18) | 0.1 | (0.01-0.15) |
| N331.1A-043505H-PL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-054508H-PL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-084508H-PL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-115008H-PL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-145008H-PL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-054508H-PM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-084508H-PM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-115008H-PM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-145008H-PM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-043505M-PM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-054508M-PM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-084508M-PM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-115008M-PM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-145008M-PM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-043505E-KL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-054508E-KL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-084508E-KL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-115008E-KL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-145008E-KL | 0.12 | (0.08-0.18) | 0.1 | (0.03-0.15) |
| N331.1A-054508E-KM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-084508E-KM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-115008E-KM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-145008E-KM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-043505M-KM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-054508M-KM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-084508M-KM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-115008M-KM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1A-145008M-KM | 0.15 | (0.06-0.3) | 0.13 | (0.05-0.25) |
| N331.1D-136508E-PM | 0.20 | (0.08-0.24) | 0.17 | (0.07-0.2) |
| N331.1D-136508M-PM | 0.20 | (0.08-0.24) | 0.17 | (0.07-0.2) |
| N331.1D-136512M-PM | 0.20 | (0.08-0.24) | 0.17 | (0.07-0.2) |
| N331.1D-136520E-PM | 0.20 | (0.08-0.24) | 0.17 | (0.07-0.2) |
| N331.1D-136520M-PM | 0.20 | (0.08-0.24) | 0.17 | (0.07-0.2) |

Relación DC/AR = 12% (igual para todos los conceptos de 90 grados)

# Herramientas de fresado de perfiles

**CoroMill® 300**

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| R300-0517E-PM | 0.08 | (0.05-0.12) | 0.08 | (0.05-0.12) |
| R300-0720E-MM | 0.1 | (0.05-0.15) | 0.1 | (0.05-0.15) |
| R300-0720E-PM | 0.1 | (0.05-0.15) | 0.1 | (0.05-0.15) |
| R300-0724E-MM | 0.1 | (0.05-0.15) | 0.1 | (0.05-0.15) |
| R300-0724E-PM | 0.1 | (0.05-0.15) | 0.1 | (0.05-0.15) |
| R300-0828E-KL | 0.13 | (0.05-0.2) | 0.11 | (0.05-0.15) |
| R300-0828E-KM | 0.15 | (0.07-0.25) | 0.13 | (0.05-0.2) |
| R300-0828E-MM | 0.13 | (0.07-0.2) | 0.13 | (0.05-0.2) |
| R300-0828E-PL | 0.11 | (0.05-0.15) | 0.11 | (0.05-0.15) |
| R300-0828E-PM | 0.13 | (0.05-0.2) | 0.13 | (0.05-0.2) |
| R300-0828M-KH | 0.15 | (0.07-0.25) | 0.15 | (0.07-0.25) |
| R300-0828M-MH | 0.13 | (0.05-0.2) | 0.15 | (0.07-0.25) |
| R300-0828M-MM | 0.13 | (0.07-0.2) | 0.13 | (0.07-0.2) |
| R300-0828M-PH | 0.15 | (0.07-0.25) | 0.15 | (0.07-0.25) |
| R300-0828M-PM | 0.13 | (0.07-0.2) | 0.13 | (0.07-0.2) |
| R300-0932E-MM | 0.15 | (0.07-0.23) | 0.13 | (0.04-0.2) |
| R300-0932E-PM | 0.15 | (0.05-0.23) | 0.13 | (0.04-0.2) |
| R300-0932M-PH | 0.17 | (0.07-0.29) | 0.15 | (0.06-0.25) |
| R300-0932M-PM | 0.15 | (0.07-0.23) | 0.13 | (0.06-0.2) |
| R300-1032E-KL | 0.21 | (0.05-0.29) | 0.13 | (0.04-0.15) |
| R300-1032E-MM | 0.17 | (0.07-0.29) | 0.18 | (0.04-0.25) |
| R300-1032E-PL | 0.15 | (0.05-0.17) | 0.13 | (0.04-0.15) |
| R300-1032E-PM | 0.21 | (0.05-0.29) | 0.18 | (0.04-0.25) |
| R300-1032M-KH | 0.23 | (0.07-0.35) | 0.2 | (0.06-0.3) |
| R300-1032M-MH | 0.23 | (0.07-0.35) | 0.2 | (0.06-0.3) |
| R300-1032M-MM | 0.17 | (0.07-0.29) | 0.15 | (0.06-0.25) |
| R300-1032M-PH | 0.23 | (0.07-0.35) | 0.2 | (0.06-0.3) |
| R300-1032M-PM | 0.17 | (0.07-0.29) | 0.15 | (0.06-0.25) |
| R300-1240E-KM | 0.23 | (0.07-0.35) | 0.18 | (0.04-0.25) |
| R300-1240E-ML | 0.15 | (0.05-0.23) | 0.13 | (0.04-0.2) |
| R300-1240E-MM | 0.21 | (0.05-0.29) | 0.18 | (0.04-0.25) |
| R300-1240E-PL | 0.15 | (0.05-0.23) | 0.13 | (0.04-0.2) |
| R300-1240E-PM | 0.21 | (0.05-0.29) | 0.18 | (0.04-0.25) |
| R300-1240M-KH | 0.23 | (0.07-0.35) | 0.2 | (0.06-0.3) |
| R300-1240M-MH | 0.23 | (0.07-0.35) | 0.2 | (0.06-0.3) |
| R300-1240M-MM | 0.17 | (0.07-0.29) | 0.15 | (0.06-0.25) |
| R300-1240M-PH | 0.23 | (0.07-0.35) | 0.2 | (0.06-0.3) |
| R300-1240M-PM | 0.17 | (0.07-0.29) | 0.15 | (0.06-0.25) |
| R300-1340E-ML | 0.15 | (0.05-0.23) | 0.13 | (0.04-0.2) |
| R300-1340E-MM | 0.21 | (0.05-0.29) | 0.18 | (0.04-0.25) |
| R300-1340E-PL | 0.15 | (0.05-0.23) | 0.13 | (0.04-0.2) |
| R300-1340E-PM | 0.21 | (0.05-0.29) | 0.18 | (0.04-0.25) |
| R300-1340M-KH | 0.23 | (0.07-0.35) | 0.2 | (0.06-0.3) |
| R300-1340M-MH | 0.23 | (0.07-0.35) | 0.2 | (0.06-0.3) |
| R300-1340M-MM | 0.17 | (0.07-0.29) | 0.15 | (0.06-0.25) |

SPA

# Herramientas de fresado de perfiles

## CoroMill® 300

| Código de pedido | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| R300-1340M-PH | 0.23 | (0.07-0.35) | 0.2 | (0.06-0.3) |
| R300-1340M-PM | 0.17 | (0.07-0.29) | 0.15 | (0.06-0.25) |
| R300-1648E-KM | 0.29 | (0.07-0.46) | 0.2 | (0.04-0.3) |
| R300-1648E-ML | 0.17 | (0.05-0.23) | 0.15 | (0.04-0.2) |
| R300-1648E-MM | 0.21 | (0.07-0.29) | 0.2 | (0.04-0.3) |
| R300-1648E-PL | 0.17 | (0.05-0.23) | 0.15 | (0.04-0.2) |
| R300-1648E-PM | 0.23 | (0.05-0.35) | 0.2 | (0.04-0.3) |
| R300-1648M-KH | 0.29 | (0.07-0.46) | 0.25 | (0.06-0.4) |
| R300-1648M-MH | 0.29 | (0.07-0.46) | 0.25 | (0.06-0.4) |
| R300-1648M-MM | 0.21 | (0.07-0.29) | 0.18 | (0.06-0.25) |
| R300-1648M-PH | 0.29 | (0.07-0.46) | 0.25 | (0.06-0.4) |
| R300-1648M-PM | 0.21 | (0.07-0.29) | 0.18 | (0.06-0.25) |
| R300-2060E-ML | 0.28 | (0.06-0.35) | 0.2 | (0.04-0.25) |
| R300-2060E-MM | 0.35 | (0.06-0.57) | 0.25 | (0.04-0.4) |
| R300-2060E-PL | 0.28 | (0.06-0.35) | 0.2 | (0.04-0.25) |
| R300-2060E-PM | 0.35 | (0.06-0.57) | 0.25 | (0.04-0.4) |
| R300-2060M-KH | 0.49 | (0.07-0.78) | 0.35 | (0.05-0.55) |
| R300-2060M-MH | 0.49 | (0.07-0.78) | 0.35 | (0.05-0.55) |
| R300-2060M-MM | 0.28 | (0.07-0.42) | 0.2 | (0.05-0.3) |
| R300-2060M-PH | 0.49 | (0.07-0.78) | 0.35 | (0.05-0.55) |
| R300-2060M-PM | 0.28 | (0.07-0.42) | 0.2 | (0.05-0.3) |
| R300-2570E-ML | 0.31 | (0.06-0.4) | 0.22 | (0.04-0.28) |
| R300-2570E-PL | 0.31 | (0.06-0.4) | 0.22 | (0.04-0.28) |
| R300-2570M-KH | 0.57 | (0.07-0.85) | 0.4 | (0.05-0.6) |
| R300-2570M-MM | 0.31 | (0.07-0.47) | 0.22 | (0.05-0.33) |
| R300-2570M-PH | 0.57 | (0.07-0.85) | 0.4 | (0.05-0.6) |
| R300-2570M-PM | 0.31 | (0.07-0.47) | 0.22 | (0.05-0.33) |

## CoroMill® 600

| Código de pedido | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| 600-1045E-ML | 0.2 | (0.05-0.35) | 0.2 | (0.05-0.35) |
| 600-1045M-ML | 0.2 | (0.05-0.35) | 0.2 | (0.05-0.35) |
| 600-1252E-ML | 0.25 | (0.05-0.35) | 0.25 | (0.05-0.35) |
| 600-1252M-ML | 0.25 | (0.05-0.35) | 0.25 | (0.05-0.35) |
| 600R-1045M-MM | 0.35 | (0.15-0.55) | 0.35 | (0.15-0.55) |
| 600R-1252M-MM | 0.35 | (0.15-0.55) | 0.35 | (0.15-0.55) |

## CoroMill® 216

| Código de pedido | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| APMT160408-M | 0.35 | (0.14-0.7) | 0.25 | (0.1-0.5) |
| R216-1002E-M | 0.14 | (0.06-0.21) | 0.1 | (0.04-0.15) |
| R216-1202E-M | 0.14 | (0.06-0.21) | 0.1 | (0.04-0.15) |
| R216-1202M-M | 0.14 | (0.08-0.21) | 0.1 | (0.04-0.15) |
| R216-1603E-M | 0.14 | (0.06-0.21) | 0.1 | (0.04-0.15) |
| R216-1603M-M | 0.14 | (0.08-0.21) | 0.1 | (0.06-0.15) |
| R216-20T3E-M | 0.21 | (0.06-0.25) | 0.15 | (0.04-0.18) |
| R216-20T3M-M | 0.14 | (0.08-0.21) | 0.1 | (0.06-0.15) |
| R216-2504E-M | 0.21 | (0.06-0.25) | 0.15 | (0.04-0.18) |
| R216-2504M-M | 0.17 | (0.08-0.21) | 0.12 | (0.06-0.15) |
| R216-3006E-M | 0.24 | (0.06-0.28) | 0.17 | (0.04-0.2) |
| R216-3006M-M | 0.21 | (0.08-0.28) | 0.15 | (0.06-0.2) |
| R216-3206E-M | 0.24 | (0.06-0.28) | 0.17 | (0.04-0.2) |
| R216-3206M-M | 0.21 | (0.08-0.28) | 0.15 | (0.06-0.2) |
| R216-4007E-M | 0.28 | (0.06-0.35) | 0.2 | (0.04-0.25) |
| R216-4007M-M | 0.28 | (0.1-0.42) | 0.2 | (0.07-0.3) |
| R216-5007E-M | 0.28 | (0.06-0.35) | 0.2 | (0.04-0.25) |
| R216-5007M-M | 0.35 | (0.1-0.7) | 0.25 | (0.07-0.5) |

# Herramientas de fresado de perfiles

## CoroMill® 200

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| RCHT09T300-ML | 0.15 | (0.08-0.2) | 0.15 | (0.08-0.2) |
| RCHT09T300-PL | 0.1 | (0.08-0.15) | 0.1 | (0.08-0.15) |
| RCHT10T3M0-KL | 0.17 | (0.1-0.2) | 0.1 | (0.08-0.15) |
| RCHT10T3M0-ML | 0.15 | (0.08-0.2) | 0.15 | (0.08-0.2) |
| RCHT10T3M0-PL | 0.1 | (0.08-0.15) | 0.1 | (0.08-0.15) |
| RCHT1204M0 | 0.21 | (0.1-0.42) | 0.1 | (0.08-0.15) |
| RCHT1204M0-KL | 0.24 | (0.1-0.28) | 0.1 | (0.06-0.15) |
| RCHT1204M0-PL | 0.14 | (0.08-0.21) | 0.1 | (0.06-0.15) |
| RCHT130400-KL | 0.24 | (0.1-0.28) | 0.1 | (0.06-0.15) |
| RCHT130400-ML | 0.21 | (0.08-0.28) | 0.15 | (0.06-0.2) |
| RCHT130400-PL | 0.14 | (0.08-0.21) | 0.1 | (0.06-0.15) |
| RCHT1606M0-KL | 0.24 | (0.1-0.28) | 0.1 | (0.06-0.15) |
| RCHT1606M0-ML | 0.21 | (0.08-0.28) | 0.15 | (0.06-0.2) |
| RCHT1606M0-PL | 0.14 | (0.08-0.21) | 0.1 | (0.06-0.15) |
| RCHT190600-ML | 0.21 | (0.08-0.28) | 0.15 | (0.06-0.2) |
| RCHT190600-PL | 0.14 | (0.08-0.21) | 0.1 | (0.06-0.15) |
| RCHT2006M0-KL | 0.24 | (0.1-0.28) | 0.1 | (0.06-0.15) |
| RCHT2006M0-ML | 0.21 | (0.08-0.28) | 0.15 | (0.06-0.2) |
| RCHT2006M0-PL | 0.14 | (0.08-0.21) | 0.1 | (0.06-0.15) |
| RCHT1204M0-ML | 0.21 | (0.08-0.28) | 0.15 | (0.06-0.2) |
| RCKT09T300-KH | 0.25 | (0.1-0.3) | 0.25 | (0.1-0.3) |
| RCKT09T300-MM | 0.2 | (0.1-0.3) | 0.2 | (0.1-0.3) |
| RCKT09T300-PH | 0.25 | (0.1-0.3) | 0.25 | (0.1-0.3) |
| RCKT09T300-PM | 0.17 | (0.1-0.2) | 0.17 | (0.1-0.2) |
| RCKT10T3M0-KH | 0.25 | (0.1-0.3) | 0.25 | (0.1-0.3) |
| RCKT10T3M0-KM | 0.17 | (0.1-0.2) | 0.17 | (0.1-0.2) |
| RCKT10T3M0-MM | 0.2 | (0.1-0.3) | 0.2 | (0.1-0.3) |
| RCKT10T3M0-PH | 0.25 | (0.1-0.3) | 0.25 | (0.1-0.3) |
| RCKT10T3M0-PM | 0.17 | (0.1-0.2) | 0.17 | (0.1-0.2) |
| RCKT10T3M0-WM | 0.17 | (0.1-0.2) | 0.17 | (0.1-0.2) |
| RCKT1204M0-KH | 0.35 | (0.1-0.42) | 0.25 | (0.07-0.3) |
| RCKT1204M0-KM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| RCKT1204M0-MM | 0.28 | (0.1-0.42) | 0.2 | (0.07-0.3) |
| RCKT1204M0-PH | 0.35 | (0.1-0.42) | 0.25 | (0.07-0.3) |
| RCKT1204M0-PM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| RCKT1204M0-WM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| RCKT1204MO | 0.35 | (0.1-0.42) | 0.15 | (0.07-0.3) |
| RCKT130400-KH | 0.35 | (0.1-0.42) | 0.25 | (0.07-0.3) |
| RCKT130400-KM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| RCKT130400-MM | 0.28 | (0.1-0.42) | 0.2 | (0.07-0.3) |
| RCKT130400-PH | 0.35 | (0.1-0.42) | 0.25 | (0.07-0.3) |
| RCKT130400-PM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| RCKT130400-WM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| RCKT1606M0-KH | 0.35 | (0.1-0.42) | 0.25 | (0.07-0.3) |
| RCKT1606M0-KM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| RCKT1606M0-MM | 0.28 | (0.1-0.42) | 0.2 | (0.07-0.3) |
| RCKT1606M0-PH | 0.35 | (0.1-0.42) | 0.25 | (0.07-0.3) |
| RCKT1606M0-PM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| RCKT1606M0-WM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| RCKT1606MO | 0.35 | (0.1-0.42) | 0.15 | (0.07-0.3) |
| RCKT190600-KH | 0.35 | (0.1-0.42) | 0.25 | (0.07-0.3) |
| RCKT190600-KM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| RCKT190600-MM | 0.28 | (0.1-0.42) | 0.2 | (0.07-0.3) |
| RCKT190600-PH | 0.35 | (0.1-0.42) | 0.25 | (0.07-0.3) |
| RCKT190600-PM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| RCKT190600-WM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| RCKT2006M0-KH | 0.35 | (0.1-0.42) | 0.25 | (0.07-0.3) |
| RCKT2006M0-KM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| RCKT2006M0-MM | 0.28 | (0.1-0.42) | 0.2 | (0.07-0.3) |
| RCKT2006M0-PH | 0.35 | (0.1-0.42) | 0.25 | (0.07-0.3) |
| RCKT2006M0-PM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |
| RCKT2006M0-WM | 0.24 | (0.1-0.28) | 0.17 | (0.07-0.2) |

SPA

# Herramientas de fresado de ranuras

**CoroMill® 327**

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| 327R12-22 11045-GC | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-22 13045-GC | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-22 16045-GC | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-22 18545-GC | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-22 21545-GC | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-22 26545-GC | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-22 31545-GC | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-22 41545-GC | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-221304508-GC | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-221604508-GC | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-222654518-GC | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-224154525-GC | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R06-10 10000-GM | 0.05 | (0.02-0.06) | 0.05 | (0.02-0.06) |
| 327R06-10 15002-GM | 0.05 | (0.02-0.06) | 0.05 | (0.02-0.06) |
| 327R06-10 20002-GM | 0.05 | (0.02-0.06) | 0.05 | (0.02-0.06) |
| 327R06-10 25002-GM | 0.05 | (0.02-0.06) | 0.05 | (0.02-0.06) |
| 327R09-18 15002-GM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 20002-GM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 25002-GM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 30002-GM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R12-22 15002-GM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-22 20002-GM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-22 25002-GM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-22 30002-GM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-22 40002-GM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R14-28 15000-GM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R14-28 20002-GM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R14-28 25002-GM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R14-28 30002-GM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R14-28 35002-GM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R14-28 40002-GM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R09-18 15001-GMM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 20002-GMM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 25002-GMM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 30002-GMM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R12-28 15001-GMM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-28 20002-GMM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-28 25002-GMM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-28 30002-GMM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-28 40002-GMM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R14-35 15001-GMM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R14-35 20002-GMM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R14-35 25002-GMM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R14-35 30002-GMM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R06-12 22011-RM | 0.05 | (0.02-0.06) | 0.05 | (0.02-0.06) |
| 327R09-18 22011-RM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R12-22 10005-RM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-22 20010-RM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-22 30015-RM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-22 40020-RM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |

**CoroMill® 328**

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| 328R13-13000-GM | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-16000-GM | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-18502-GM | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-18545-GC | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-21502-GM | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-21545-GC | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-26502-GM | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-26545-GC | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-2654515-GC | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-31502-GM | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-31545-GC | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-41502-GM | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-41545-GC | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-4154520-GC | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-51502-GM | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-51545-GC | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |

# Herramientas de fresado de ranuras

## CoroMill® QD

| Código de pedido | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| QD-NE-0200-010E-NL | 0.16 | (0.01-0.3) | 0.13 | (0.01-0.25) |
| QD-NF-0239-010E-NL | 0.16 | (0.01-0.3) | 0.13 | (0.01-0.25) |
| QD-NF-0250-010E-NL | 0.16 | (0.01-0.3) | 0.13 | (0.01-0.25) |
| QD-NG-0300-010E-NL | 0.16 | (0.01-0.3) | 0.13 | (0.01-0.25) |
| QD-NG-0318-010E-NL | 0.16 | (0.01-0.3) | 0.13 | (0.01-0.25) |
| QD-NH-0400-015E-NL | 0.16 | (0.01-0.3) | 0.13 | (0.01-0.25) |
| QD-NJ-0476-020E-NL | 0.16 | (0.01-0.3) | 0.13 | (0.01-0.25) |
| QD-NJ-0500-020E-NL | 0.16 | (0.01-0.3) | 0.13 | (0.01-0.25) |
| QD-NK-0600-025E-NL | 0.16 | (0.01-0.3) | 0.13 | (0.01-0.25) |
| QD-NK-0635-025E-NL | 0.16 | (0.01-0.3) | 0.13 | (0.01-0.25) |
| QD-NE-0200-020E-SL | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NF-0239-020E-SL | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NF-0250-020E-SL | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NG-0300-020E-SL | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NG-0318-020E-SL | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NH-0400-025E-SL | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NJ-0476-030E-SL | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NJ-0500-030E-SL | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NK-0600-035E-SL | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NK-0635-035E-SL | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NE-0200-020E-SM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NF-0239-020E-SM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NF-0250-020E-SM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NG-0300-020E-SM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NG-0318-020E-SM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NH-0400-025E-SM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NJ-0476-030E-SM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NJ-0500-030E-SM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NK-0600-035E-SM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NK-0635-035E-SM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NE-0200-020E-ML | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NF-0239-020E-ML | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NF-0250-020E-ML | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NG-0300-020E-ML | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NG-0318-020E-ML | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NH-0400-025E-ML | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NJ-0476-030E-ML | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NJ-0500-030E-ML | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NK-0600-035E-ML | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NK-0635-035E-ML | 0.05 | (0.01-0.08) | 0.04 | (0.01-0.07) |
| QD-NE-0200-020E-MM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NF-0239-020E-MM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NF-0250-020E-MM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NG-0300-020E-MM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NG-0318-020E-MM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NH-0400-025E-MM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NJ-0476-030E-MM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NJ-0500-030E-MM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NK-0600-035E-MM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NK-0635-035E-MM | 0.09 | (0.05-0.14) | 0.08 | (0.04-0.12) |
| QD-NE-0200-020E-KL | 0.13 | (0.02-0.18) | 0.11 | (0.02-0.15) |
| QD-NF-0239-020E-KL | 0.13 | (0.02-0.18) | 0.11 | (0.02-0.15) |
| QD-NF-0250-020E-KL | 0.13 | (0.02-0.18) | 0.11 | (0.02-0.15) |
| QD-NG-0300-020E-KL | 0.13 | (0.02-0.18) | 0.11 | (0.02-0.15) |
| QD-NH-0400-025E-KL | 0.13 | (0.02-0.18) | 0.11 | (0.02-0.15) |
| QD-NG-0318-020E-KL | 0.13 | (0.02-0.18) | 0.11 | (0.02-0.15) |
| QD-NJ-0476-030E-KL | 0.13 | (0.02-0.18) | 0.11 | (0.02-0.15) |
| QD-NJ-0500-030E-KL | 0.13 | (0.02-0.18) | 0.11 | (0.02-0.15) |
| QD-NK-0600-035E-KL | 0.13 | (0.02-0.18) | 0.11 | (0.02-0.15) |
| QD-NK-0635-035E-KL | 0.13 | (0.02-0.18) | 0.11 | (0.02-0.15) |

| Código de pedido | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| QD-NE-0200-035M-KM | 0.13 | (0.05-0.18) | 0.11 | (0.04-0.15) |
| QD-NF-0239-035M-KM | 0.13 | (0.05-0.18) | 0.11 | (0.04-0.15) |
| QD-NF-0250-035M-KM | 0.13 | (0.05-0.18) | 0.11 | (0.04-0.15) |
| QD-NG-0300-035M-KM | 0.13 | (0.05-0.18) | 0.11 | (0.04-0.15) |
| QD-NG-0318-035M-KM | 0.13 | (0.05-0.18) | 0.11 | (0.04-0.15) |
| QD-NH-0400-040M-KM | 0.13 | (0.05-0.18) | 0.11 | (0.04-0.15) |
| QD-NJ-0476-045M-KM | 0.13 | (0.05-0.18) | 0.11 | (0.04-0.15) |
| QD-NJ-0500-045M-KM | 0.13 | (0.05-0.18) | 0.11 | (0.04-0.15) |
| QD-NK-0600-050M-KM | 0.13 | (0.05-0.18) | 0.11 | (0.04-0.15) |
| QD-NK-0635-050M-KM | 0.13 | (0.05-0.18) | 0.11 | (0.04-0.15) |
| QD-NE-0200-020E-PL | 0.06 | (0.02-0.08) | 0.05 | (0.02-0.08) |
| QD-NF-0239-020E-PL | 0.06 | (0.02-0.08) | 0.05 | (0.02-0.08) |
| QD-NF-0250-020E-PL | 0.06 | (0.02-0.08) | 0.05 | (0.02-0.08) |
| QD-NG-0300-020E-PL | 0.06 | (0.02-0.08) | 0.05 | (0.02-0.08) |
| QD-NG-0318-020E-PL | 0.06 | (0.02-0.08) | 0.05 | (0.02-0.08) |
| QD-NH-0400-025E-PL | 0.06 | (0.02-0.08) | 0.05 | (0.02-0.08) |
| QD-NJ-0476-030E-PL | 0.06 | (0.02-0.08) | 0.05 | (0.02-0.08) |
| QD-NJ-0500-030E-PL | 0.06 | (0.02-0.08) | 0.05 | (0.02-0.08) |
| QD-NK-0600-035E-PL | 0.06 | (0.02-0.08) | 0.05 | (0.02-0.08) |
| QD-NK-0635-035E-PL | 0.06 | (0.02-0.08) | 0.05 | (0.02-0.08) |
| QD-NE-0200-020E-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NF-0239-020E-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NF-0250-020E-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NG-0300-020E-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NG-0318-020E-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NH-0400-025E-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NJ-0476-030E-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NJ-0500-030E-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NK-0600-035E-PM | 0.2 | (0.08-0.12) | 0.1 | (0.07-0.1) |
| QD-NK-0635-035E-PM | 0.2 | (0.08-0.12) | 0.1 | (0.07-0.1) |
| QD-NE-0200-020M-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NF-0239-020M-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NF-0250-020M-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NG-0300-020M-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NG-0318-020M-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NH-0400-025M-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NJ-0476-030M-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NJ-0500-030M-PM | 0.13 | (0.08-0.18) | 0.11 | (0.07-0.15) |
| QD-NK-0600-035M-PM | 0.12 | (0.08-0.12) | 0.1 | (0.07-0.1) |
| QD-NK-0635-035M-PM | 0.12 | (0.08-0.12) | 0.1 | (0.07-0.1) |
| QD-NE-0200-035M-PH | 0.13 | (0.05-0.15) | 0.11 | (0.04-0.13) |
| QD-NF-0239-035M-PH | 0.13 | (0.05-0.15) | 0.11 | (0.04-0.13) |
| QD-NF-0250-035M-PH | 0.13 | (0.05-0.15) | 0.11 | (0.04-0.13) |
| QD-NG-0300-035M-PH | 0.13 | (0.05-0.15) | 0.11 | (0.04-0.13) |
| QD-NG-0318-035M-PH | 0.13 | (0.05-0.15) | 0.11 | (0.04-0.13) |
| QD-NH-0400-040M-PH | 0.13 | (0.05-0.15) | 0.11 | (0.04-0.13) |
| QD-NJ-0476-045M-PH | 0.13 | (0.05-0.15) | 0.11 | (0.04-0.13) |
| QD-NJ-0500-045M-PH | 0.13 | (0.05-0.15) | 0.11 | (0.04-0.13) |
| QD-NK-0600-050M-PH | 0.12 | (0.05-0.12) | 0.1 | (0.04-0.1) |
| QD-NK-0635-050M-PH | 0.12 | (0.05-0.12) | 0.1 | (0.04-0.1) |

Recomendaciones para fresas de 63 mm de diámetro
- PL es la geometría de primera elección en aplicaciones ISO P
- Use un máximo del 70% del valor $h_{ex}$ recomendado al utilizar la geometría PM
- La geometría PH no está recomendada

SPA

# Herramientas de fresado de roscas

**CoroMill® 328**

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| 328R13-04UN-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-06UN-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-08UN-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-10UN-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-12UN-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-14UN-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-150MM-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-150VM-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-16UN-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-200MM-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-300MM-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-350MM-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-400MM-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-400VM-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-450MM-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-500MM-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-550MM-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |
| 328R13-600MM-TH | 0.1 | (0.04-0.15) | 0.07 | (0.03-0.1) |

**CoroMill® 327**

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| 327R06-12 100VM-TH | 0.05 | (0.02-0.06) | 0.05 | (0.02-0.06) |
| 327R09-18 100VM-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R12-22 100VM-TH | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R06-12 250VM-TH | 0.05 | (0.02-0.06) | 0.05 | (0.02-0.06) |
| 327R09-18 250VM-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R12-22 250VM-TH | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R06-12 19WH-TH | 0.05 | (0.02-0.06) | 0.05 | (0.02-0.06) |
| 327R09-18 19WH-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R06-12 14WH-TH | 0.05 | (0.02-0.06) | 0.05 | (0.02-0.06) |
| 327R09-18 14WH-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R06-12 11WH-TH | 0.05 | (0.02-0.06) | 0.05 | (0.02-0.06) |
| 327R09-18 11WH-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 24UN-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 20UN-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 18UN-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 16UN-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 14UN-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 12UN-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 11UN-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 10UN-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 08UN-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 150MM-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 200MM-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 300MM-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 350MM-TH | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R12-22 150MM-TH | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R12-22 175MM-TH | 0.07 | (0.04-0.1) | 0.06 | (0.04-0.1) |
| 327R12-22 200MM-TH | 0.07 | (0.04-0.1) | 0.06 | (0.04-0.1) |
| 327R12-22 300MM-TH | 0.07 | (0.04-0.1) | 0.06 | (0.04-0.1) |
| 327R12-22 350MM-TH | 0.07 | (0.04-0.1) | 0.06 | (0.04-0.1) |
| 327R12-22 400MM-TH | 0.07 | (0.04-0.1) | 0.06 | (0.04-0.1) |
| 327R12-22 450MM-TH | 0.07 | (0.04-0.1) | 0.06 | (0.04-0.1) |
| 327R09-18 100VM-THM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R12-22 100VM-THM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R09-18 250VM-THM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R12-22 250VM-THM | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| 327R09-18 24UN-THM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 20UN-THM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 18UN-THM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 16UN-THM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 14UN-THM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 12UN-THM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 11UN-THM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 10UN-THM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 08UN-THM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 150MM-THM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 200MM-THM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 300MM-THM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |
| 327R09-18 350MM-THM | 0.06 | (0.03-0.08) | 0.06 | (0.03-0.08) |

# Herramientas de fresado de chaflanes

## CoroMill® 495

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| **495-09T3M-MM** | 0.17 | (0.12-0.25) | 0.16 | (0.12-0.2) |
| **495-09T3M-PM** | 0.17 | (0.12-0.25) | 0.17 | (0.12-0.25) |

## CoroMill® 327

| | Avance por diente, $f_z$ mm/diente | | Espesor de viruta máx., $h_{ex}$ mm | |
|---|---|---|---|---|
| **Código de pedido** | Valor de partida | (mín.—máx.) | Valor de partida | (mín.—máx.) |
| **327R06-12 12045-CH** | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |
| **327R12-22 20045-CH** | 0.07 | (0.04-0.1) | 0.07 | (0.04-0.1) |

# Calidades para fresado

## P Acero

### Calidades básicas



**GC1130 (HC)** - P30 (P15-P40)
Calidad dura con recubrimiento fino de PVD y tecnología Zertivo™ para varias aplicaciones. Indicada para desbaste ligero y acabado con una estabilidad media, con y sin refrigerante. Buena elección para recorridos de herramienta complejos y materiales pastosos.

Cuando GC1130 no esté disponible, use GC1030.



**GC4340 (HC)** - P40 (P35-P50)
Calidad tenaz con recubrimiento de CVD (recubrimiento semi-grueso) indicada para aplicaciones tenaces y exigentes de mecanizado medio y desbaste, con y sin refrigerante.



**GC4330 (HC)** - P30 (P10-P40)
Calidad semi-dura con recubrimiento de CVD (recubrimiento de grosor medio) diseñada para aplicaciones de fresado en desbaste y medio en condiciones de corte normales, con y sin refrigerante.



**GC4220 (HC)** - P20 (P10-P25)
Calidad dura con recubrimiento de CVD (recubrimiento grueso) indicada para velocidades de corte grandes en aplicaciones de fresado en desbaste y medio con buena estabilidad, sin refrigerante.

### Calidades complementarias



**GC1010 (HC)** - P10 (P05-P15)
Calidad muy dura con recubrimiento de PVD (recubrimiento fino) para acabado en condiciones estables y materiales templados, con y sin refrigerante.



**CT530 (HT)** - P15 (P10-P15)
Calidad cermet de dureza media sin recubrimiento para aplicaciones de acabado a grandes velocidades de corte, sin refrigerante.



**GC2030 (HC)** - P30 (P20-P40)
Calidad de dureza media con recubrimiento de PVD (recubrimiento fino) para materiales pastosos, con y sin refrigerante.



**GC2040 (HC)** - P45 (P30-P50)
Calidad tenaz con recubrimiento de CVD (recubrimiento de grosor medio) para desbastar en aplicaciones tenaces y exigentes, con y sin refrigerante, y calidad buena para producciones mixtas.



**GC3040 (HC)** - P20 (P10-P40)
Calidad de dureza media con recubrimiento de CVD (recubrimiento grueso) que complementa a GC4330 en materiales abrasivos.



**M30B (HC)** - P35 (P30-P40)
Calidad tenaz con recubrimiento de CVD (recubrimiento fino) para mecanizado de álabes de turbina en condiciones tenaces y exigentes a altas velocidades de corte, con y sin refrigerante.



**GC1025 (HC)** - P30 (P15-P30)
Calidad dura con recubrimiento de PVD (recubrimiento fino) para desbaste ligero y acabado en materiales pastosos, con y sin refrigerante.

**Símbolos de letras que designan los materiales de corte duros:**

**Metales duros:**

HT Metal duro sin recubrimiento, también denominado cermet, que contiene carburos de titanio (TIC) o nitruros de titanio (TIN) o ambos

HC Metal duro como el anterior pero con recubrimiento

# Calidades para fresado

## M Acero inoxidable austenítico/ferrítico/martensítico

### Calidades básicas



**GC1040 (HC)** - M30 (M15-M35)
Calidad tenaz con recubrimiento fino de PVD para acabado y desbaste en condiciones de inestables a estables, con y sin refrigerante. Buena elección para recorridos de herramienta complejos y materiales pastosos.



**GC2040 (HC)** - M40 (M25-M40)
Calidad tenaz con recubrimiento semi-grueso de CVD para aplicaciones tenaces y exigentes de fresado en desbaste y medio con una estabilidad deficiente, sin refrigerante. Velocidades de avance altas, diámetros grandes y empañes radiales.



**S30T (HC)** - M25 (M15-M35)
Calidad semi-dura de recubrimiento fino de PVD que debe usarse como complementaria a la calidad GC1040 cuando la estabilidad sea buena y se requieran grandes velocidades de corte, con y sin refrigerante.



**GC2030 (HC)** - M25 (M15-M30)
Calidad de dureza media con recubrimiento fino de PVD para desbaste ligero y acabado. Calidad complementaria a la calidad GC1040 con una buena estabilidad, a velocidades de corte altas, sin refrigerante.

### Calidades complementarias



**M30B (HC)** - M35 (M30-M40)
Calidad tenaz con recubrimiento fino de CVD para mecanizado de álabes de turbina en condiciones que exigen tenacidad y gran velocidad de corte. Puede emplearse tanto con como sin refrigerante.

**Símbolos de letras que designan los materiales de corte duros:**

**Metales duros:**

| | |
|---|---|
| HT | Metal duro sin recubrimiento, también denominado cermet, que contiene carburos de titanio (TIC) o nitruros de titanio (TIN) o ambos |
| HC | Metal duro como el anterior pero con recubrimiento |

### Calidades complementarias



**S40T (HC)** - M40 (M30-M40)
Calidad muy tenaz con recubrimiento semi-grueso de CVD para aplicaciones de fresado en desbaste y medio que requieren tenacidad y presentan una estabilidad deficiente. Puede emplearse tanto sin como con refrigerante.



**GC1130 (HC)** - M15 (M10-M20)
Calidad dura con recubrimiento fino de PVD y tecnología Zertivo™ a utilizar como complementaria de GC1040 con una buena estabilidad y requisitos de grandes velocidades de corte. Puede emplearse tanto sin como con refrigerante. Buena elección para producciones de materiales ISO M/ISO P.

Cuando GC1130 no esté disponible, use GC1030.



**CT530 (HT)** - M10 (M10-M15)
Calidad cermet de dureza media sin recubrimiento para aplicaciones de acabado a grandes velocidades de corte, sin refrigerante.



**GC1010 (HC)** - M10 (M05-M10)
Calidad muy dura con recubrimiento fino de PVD para acabado en condiciones estables, con y sin refrigerante.



**GC4330 (HC)** - M30 (M25-M35)
Calidad de dureza media con recubrimiento semi-grueso de CVD para fresado en desbaste y medio de aceros inoxidables martensíticos a grandes velocidades de corte en condiciones normales, sin refrigerante.



**GC4340 (HC)** - M40 (M30-M40)
Calidad tenaz con recubrimiento semi-grueso de CVD para aplicaciones tenaces y exigentes de fresado en desbaste y medio en aceros inoxidables martensíticos, sin refrigerante.

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# Calidades para fresado

## K Fundición

### Calidades básicas



**GC3330 (HC)** - K20 (K15-K35)
Calidad dura con recubrimiento grueso de CVD, diseñada para aplicaciones de fresado en desbaste y medio de cualquier fundición en condiciones normales y estables, con y sin refrigerante. Primera elección en aplicaciones de fundición gris e ISO K mixtas.



**GC1020 (HC)** - K20 (K10-K25)
Calidad dura con recubrimiento de PVD fino para desbaste ligero y acabado de fundición nodular con refrigerante, y fundición gris con refrigerante y condiciones normales y buenas. Primera elección para fundición nodular y/o fresas de diámetro reducido.



**GC3220 (HC)** - K15 (K10-K25)
Calidad dura con recubrimiento muy grueso de CVD, diseñada para grandes velocidades de corte en aplicaciones de mecanizado medio a desbaste de fundición gris con una buena estabilidad y sin refrigerante.



**GC3040 (HC)** - K30 (K20-K40)
Calidad de dureza media con recubrimiento grueso de CVD para aplicaciones de fresado en desbaste y medio tenaces y exigentes de fundición gris, sin refrigerante.



**K20W (HC)** - K20 (K15-K30)
Calidad dura con recubrimiento fino de CVD para fresado en desbaste ligero y acabado de cualquier fundición en condiciones estables, con refrigerante. Ideal para fresas de diámetro grande.



**K20D (HC)** - K15 (K10-K25)
Calidad dura con recubrimiento muy grueso de CVD, diseñada para grandes velocidades de corte en aplicaciones de mecanizado medio a desbaste de fundición gris con una buena estabilidad y sin refrigerante.

**Símbolos de letras que designan los materiales de corte duros:**
**Metales duros:**
HW Metal duro sin recubrimiento compuesto principalmente por carburo de tungsteno
HC Metal duro como el anterior pero con recubrimiento
**Cerámicas:**
CN Cerámica de nitruro que contiene principalmente nitruro de silicio ($Si_3N_4$)
**Nitruro de boro:**
BN Nitruro de boro policristalino[1)]
[1)] El diamante policristalino y el nitruro de boro policristalino también se denominan materiales de corte superduros.

### Calidades complementarias



**CB50 (BN)** - K10 (K01-K20)
Calidad dura con punta de CBN para desbaste ligero y acabado de fundición gris en condiciones estables, sin refrigerante. Úsela cuando la estabilidad dimensional y la larga duración de la herramienta sean fundamentales.



**CC6190 (CN)** - K05 (K01-K15)
Calidad cerámica dura de nitruro de silicio para velocidades de corte muy grandes en desbaste ligero y semiacabado de fundición gris en condiciones estables, sin refrigerante.



**GC1010 (HC)** - K05 (K01-K10)
Calidad muy dura con recubrimiento fino de PVD para acabado en condiciones muy estables. Una calidad más dura y complementaria a GC1020 al mecanizar con refrigerante.



**H13A (HW)** - K20 (K10-K25)
Dura calidad de metal duro sin recubrimiento para fresado en desbaste y acabado con filos de corte agudos, a baja velocidad y en condiciones de normales a buenas, con y sin refrigerante.



**GC4340 (HC)** - K40 (K30-K40)
Calidad tenaz con recubrimiento semi-grueso de CVD para usar como complementaria de mayor tenacidad que GC3040 cuando la estabilidad es deficiente, sin y con refrigerante.



**GC4330 (HC)** - K30 (K20-K35)
Calidad de dureza media con recubrimiento semi-grueso de CVD para aplicaciones de fresado medio y desbaste de fundición gris, sin refrigerante, que exigen tenacidad.



**K20M (HC)** - K15 (K10-K25)
Calidad dura con recubrimiento semi-grueso de CVD para fresado en desbaste y medio en varias aplicaciones de todo tipo de fundición, principalmente sin refrigerante.



**K15W (HC)** - K15 (K10-K25)
Calidad dura con recubrimiento fino de CVD para piezas de acabado de fundición y bimetálicas como fundición y aluminio en condiciones estables, con refrigerante. Úsela como complemento a K20W cuando necesite un filo agudo.

# Calidades para fresado

**N** **Metales no férreos, plástico, madera**

## Calidades básicas



**H13A (HW)** - N15 (N10-N25)
Calidad dura sin recubrimiento para semiacabado y mecanizado en desbaste con filos agudos en condiciones normales y estables. Excelente acabado superficial al mecanizar con y sin refrigerante.



**H10 (HW)** - N10 (N05-N15)
Durísima calidad sin recubrimiento, para desbaste ligero y acabado con filos agudos en condiciones estables con altos requisitos de acabado superficial, con y sin refrigerante.



**CD10 (DP)** - N05 (N01-N10)
Calidad con punta de diamante policristalino (PCD) con filos agudos para desbaste ligero y acabado en condiciones estables, con y sin refrigerante, con estrictos requisitos de acabado superficial y estabilidad del proceso. Buena elección para materiales abrasivos.

## Calidades complementarias



**CT530 (HT)** - N15 (N10-N20)
Calidad cermet de dureza media sin recubrimiento para acabado en condiciones más bien estables y altas velocidades de corte, con y sin refrigerante.



**GC1130 (HC)** - N15 (N10-N25)
Calidad dura con recubrimiento fino de PVD Zertivo™ para desbaste y semiacabado en condiciones normales con menores requisitos de acabado superficial, con y sin refrigerante.

*Cuando GC1130 no esté disponible, use GC1030.



**H10F (HW)** - N15 (N10-N25)
Calidad dura sin recubrimiento para desbaste ligero y acabado con filos agudos en condiciones normales que ofrece buenas superficies al mecanizar con y sin refrigerante.

**Símbolos de letras que designan los materiales de corte duros:**

**Metales duros:**

HW Metal duro sin recubrimiento compuesto principalmente por carburo de tungsteno

HT Metal duro sin recubrimiento, también denominado cermet, que contiene carburos de titanio (TIC) o nitruros de titanio (TIN) o ambos

HC Metal duro como el anterior pero con recubrimiento

**Diamante:**

DP Diamante policristalino[1)]

[1)] El diamante policristalino y el nitruro de boro policristalino están clasificados como materiales de corte super duros.

# Calidades para fresado

## S Aleaciones termorresistentes Aleaciones de titanio

### Calidades básicas



**S30T (HC)** - S25 (S15-S30)
Calidad de dureza media con recubrimiento fino de PVD para aplicaciones de acabado y desbaste ligero en condiciones más bien estables. Duración del filo y acabado superficial excelentes. Puede emplearse tanto con como sin refrigerante.



**S40T (HC)** - S35 (S25-S45)
Una calidad muy tenaz con recubrimiento de CVD de grosor medio para aplicaciones de desbaste que exigen tenacidad. Puede emplearse tanto con como sin refrigerante.



**GC1130 (HC)** - S15 (S10-S25)
Una calidad dura con recubrimiento fino de PVD y Zertivo™ que debe usarse como complementaria a la calidad S30T para un tiempo en corte prolongado. Puede usarse con y sin refrigerante.

*Cuando no disponga de GC1130, use GC1030.



**GC1010 (HC)** - S10 (S05-S10)
Una calidad muy dura con recubrimiento de PVD fino para acabado en condiciones muy estables, con y sin refrigerante.

### Calidades complementarias



**GC1040 (HC)** - S30 (S20-S35)
Calidad tenaz con recubrimiento fino de PVD que debe usarse como complementaria de mayor tenacidad que S30T en aplicaciones ligeramente más inestables, con y sin refrigerante.



**GC2030 (HC)** - S20 (S15-S25)
Calidad de dureza media y recubrimiento fino de PVD que debe usarse como complementaria a S30T para largos tiempos en corte. Puede emplearse tanto con como sin refrigerante.



**GC2040 (HC)** - S30 (S25-S40)
Calidad tenaz con recubrimiento de CVD de grosor medio para aplicaciones de desbaste que exigen tenacidad. Úsela como complementaria a S40T para diámetros o empañes radiales grandes con y sin refrigerante.



**H10F (HW)** - S25 (S20-S30)
Calidad dura sin recubrimiento para desbaste ligero y acabado en condiciones estables, que requieren filos muy agudos y un buen acabado superficial, con y sin refrigerante.



**H13A (HW)** - S20 (S15-S25)
Calidad dura sin recubrimiento que debe usarse como repuesto para H10F en aplicaciones más estables. Puede emplearse tanto con como sin refrigerante.



**GC1025 (HC)** - S15 (S10-S20)
Calidad de dureza media y recubrimiento fino de PVD que debe usarse como complementaria a S30T para largos tiempos en corte o mecanizado de materiales pastosos. Puede emplearse tanto con como sin refrigerante.

**Símbolos de letras que designan los materiales de corte duros:**

**Metales duros:**

| | |
|---|---|
| HW | Metal duro sin recubrimiento compuesto principalmente por carburo de tungsteno |
| HC | Metal duro como el anterior pero con recubrimiento |

# Calidades para fresado

H **Acero templado**

## Calidades básicas



**GC1010(HC)** - H10 (H05-H15)
Calidad dura con un recubrimiento de PVD fino para desbaste ligero y acabado de acero templado con una dureza de 36 HRC o superior, que debe usarse en condiciones estables, con y sin refrigerante.



**GC4220(HC)** - H25 (H15-H30)
Calidad dura con un grueso recubrimiento de CVD para desbaste ligero y acabado a avances bajos, velocidades moderadas y empañes radiales grandes en la gama de materiales ISO H de menor dureza, con y sin refrigerante.

## Calidades complementarias



**GC1130 (HC)** - H10 (H10-H20)
Calidad dura con un fino recubrimiento de PVD y tecnología Zertivo™ para desbaste ligero y acabado a avances bajos, velocidades moderadas y empañes radiales pequeños en el intervalo de materiales ISO H de menor dureza, con y sin refrigerante.

*Cuando GC1130 no esté disponible, use GC1030.



**CT530 (HT)** - H25(H10-H25)
Calidad cermet de dureza media sin recubrimiento para acabado ligero en condiciones estables, sin refrigerante.



**CB50 (BN)** - H05 (H01-H10)
Calidad dura con punta de CBN para semiacabado y acabado en condiciones muy estables, sin refrigerante. Úsela cuando la estabilidad dimensional y la larga duración de la herramienta sean cruciales.



**GC3040 (HC)** - H25 (H20-H30)
Calidad de dureza media con recubrimiento grueso de CVD que puede usarse como sustituta de la calidad GC4220 en condiciones inestables, sin refrigerante.



**CC6190 (CN)** - H10 (H05-H15)
Calidad cerámica dura de nitruro de silicio para desbaste ligero y semiacabado de fundición templada en condiciones estables, sin refrigerante.

**Símbolos de letras que designan los materiales de corte duros:**

**Metales duros:**

HT Metal duro sin recubrimiento, también denominado cermet, que contiene carburos de titanio (TIC) o nitruros de titanio (TIN) o ambos

HC Metal duro como el anterior pero con recubrimiento

**Cerámicas:**

CN Cerámica de nitruro que contiene principalmente nitruro de silicio ($Si_3N_4$)

**Nitruro de boro:**

BN Nitruro de boro policristalino[1)]

[1)] El diamante policristalino y el nitruro de boro policristalino están clasificados como materiales de corte super duros.

# Taladrado

## Brocas de punta intercambiable

CoroDrill® 870 J4

## Brocas de plaquita intercambiable

CoroDrill® DS20 J26

CoroDrill® 880 J34

Herramienta de trepanado J44

Plaquita Coromant U para taladrado J47

## ¿Qué solución de taladrado responde a sus necesidades?

Al taladrar agujeros pequeños y medianos, hay diferentes soluciones entre las que elegir:

- Brocas de punta intercambiable
- Brocas de plaquita intercambiable
- Brocas de metal duro enterizas

Al seleccionar su tipo de broca, deben tenerse en cuenta varios aspectos. La tolerancia del agujero, la profundidad de taladrado y el diámetro son factores muy importantes. También deben tenerse en cuenta el material de la pieza de trabajo, el diseño de la pieza, el tamaño del lote y el tipo de la máquina.

En términos generales, las brocas simétricas como las de metal duro enterizas o de punta intercambiable ofrecerán tolerancias de agujero más estrechas y operan a mayores velocidades de avance. Las brocas de plaquita intercambiable son extremadamente rentables cuando las tolerancias de agujero no son tan importantes y, al operar con avances más bajos, someten la pieza a menos fuerzas axiales.

## Seleccione su estrategia

El taladrado suele realizarse bien avanzado el proceso de fabricación, cuando las operaciones previas ya han incrementado el valor inicial de la pieza. La aplicación de taladrado, aunque aparentemente sencilla, es una operación compleja en la que superar la capacidad de la herramienta o el fallo de la misma puede tener serias consecuencias. Por este motivo, es importante tener una estrategia para alcanzar el agujero deseado.

### Taladrado de agujeros profundos

- El proceso para taladrar agujeros más profundos requiere herramientas más largas, que son más sensibles a la flexión.
- Las virutas deben recorrer más distancia hasta su evacuación.
- Al taladrar agujeros de 6 a 7xD con CoroDrill DS20, es necesario reducir el avance en la entrada y la salida. El avance a la entrada debe ser el 75% de la velocidad de avance, el avance a la salida debe ser 0.05 mm/rev.

### Factores importantes a considerar:

- Al taladrar agujeros de profundidad superior a 6xD con CoroDrill 870, utilice una operación de taladrado guiado.
- Asegúrese de que el caudal de viruta es suficiente para evacuar las virutas.
- Ajuste sus datos de corte para conseguir unas virutas satisfactorias, un proceso estable y los requisitos de agujero deseados.

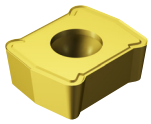
### Alcanzar un proceso estable

- Conseguir un proceso estable es el objetivo final a la hora de seleccionar la estrategia de taladrado.
- Para conseguirlo entran en juego diversos factores (refrigerante, fijación, capacidad de la máquina, etc.)
- Además de los mencionados, un factor que tiene un gran impacto son los datos de corte.

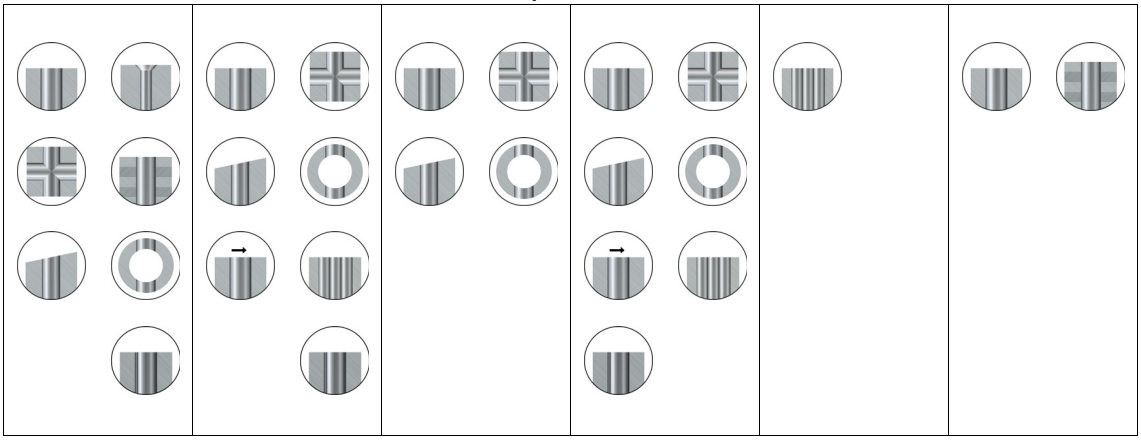
### Ajuste los datos de corte para optimizar su proceso para:

- Aumentar la velocidad de penetración (al aumentar el avance);
- O prolongar la vida útil de la herramienta (al reducir la velocidad).

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| | 870 | DS20 | 880 | 880 | R416.7 | R416 |
|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |
| Tipo de broca | **Broca de punta intercambiable** | **Broca de plaquita intercambiable** | **Broca de plaquita intercambiable** | **Broca de plaquita intercambiable para grandes diámetros** | **Herramienta de trepanado** | **Plaquita Coromant U para taladrado** |
| $D_c$ mm | 10.00-33.00 | 15.00-40.00 | 12.00-63.50 | 65.00-84.00 | 60.00-110.00 | |
| Área de aplicación ISO | P M K N S | P M K N S H | P M K N S H | P M K N S H | P M K N S H | P M K N S H |
| ULDR | 3-10 x DC | 4-7 x DC | 2-3 x DC | 3-4 x DC | 2.5 x DC | |
| TCHA | H9-H10 | IT13-IT14 | H12-H13 | IT13 | IT13 | |
| Refrigerante | Interior | Interior | Interior | Interior | Exterior | |
| Página | **J4** | **J26** | **J34** | **J34** | **J44** | **J47** |

**Aplicación**



# CoroDrill® 870

## Proceso de taladrado de agujeros seguro y predecible

**Área de aplicación ISO:**

P M K N S



### Ventajas y características

El adaptador entre la punta y la broca es simple, preciso y estable. Los desahogos optimizados de la broca facilitan la evacuación de la viruta y, gracias a la posibilidad de cambiar la broca mientras la herramienta está en el portaherramientas, no se pierde valioso tiempo de corte. Las nuevas calidades y geometrías del filo ofrecen un proceso de corte seguro con un control de viruta optimizado, altas velocidades de penetración y una vida útil prolongada y fiable de la herramienta.

### Aplicación

- Proceso fiable y seguro
- Manipulación sencilla y seguridad en el cambio de la punta
- Control y evacuación de la viruta optimizados
- Vida útil prolongada y predecible de la herramienta, y alta productividad
- Coste por agujero reducido y excelente calidad del agujero

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### Cuerpos de broca

- Profundidades de taladrado: hasta 10 x el diámetro de la broca
- Acoplamientos: mango cilíndrico (ISO 9766)
- Tolerancias de agujero: H9-H10

### Puntas de broca

- Nuevas calidades que ofrecen una vida útil más duradera y un desgaste predecible de la herramienta
- Manipulación sencilla y seguridad a la hora de cambiar las puntas
- Posibilidad de cambiar la punta con la herramienta colocada en la máquina para reducir el tiempo de inactividad

### Geometrías de las puntas de la broca

- PM optimizada para ISO-P
- MM optimizada para ISO-M
- KM optimizada para ISO-K
- Punta GP guía para todos los materiales

Disponibilidad de brocas de paso y chaflán Tailor Made para producir agujeros escalonados y achaflanados en una única operación.

Presione la punta suavemente hacia abajo y hacia la superficie de apoyo, mientras aprieta el tornillo, hasta alcanzar el par recomendado en el cuerpo de la broca. Preferiblemente, utilice un destornillador dinamométrico para garantizar que la punta queda bien asentada. Afloje el tornillo aproximadamente una vuelta y media para liberar la punta.




### Tolerancia del agujero (no aplicable a la geometría GP)

H9 - H10

| Gama de diámetros, mm | | 10.00-18.00 | 18.01-30.00 | 30.01-33.00 |
|---|---|---|---|---|
| Tolerancia de agujero, mm | 3×DC-8×DC | 0/+0.043 | 0/+0.052 | 0/+0.062 |
| | 10×DC | 0/+0.070 | 0/+0.084 | 0/+0.100 |

J6 J8 N6



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# CoroDrill® 870

## Información general sobre geometrías

| Geometría | | Información sobre geometrías |
|---|---|---|
| **PM** |  | La geometría -PM es una punta de aplicación general. Pese a estar concebida principalmente para aceros de baja aleación y aceros de bajo contenido en carbono, también destaca por su óptima funcionalidad y vida útil tanto en fundiciones como en aceros inoxidables austeníticos. |
| **MM** |  | La geometría -MM tiene la misma micro y macrogeometría que la PM, pero cuenta con un bisel reforzado que aumenta la vida útil de la herramienta, especialmente para aceros inoxidables dúplex. |
| **KM** |  | -KM tiene la misma microgeometría que PM, pero KM se distingue por el chaflán del vértice, el cual limita las roturas en el material de la pieza. |
| **GP** |  | -GP está especialmente concebida para agujeros guía. Se basa en la geometría PM, pero tiene un mayor ángulo de punta y una clase de tolerancia diferente. |

## Información general sobre calidad

### GC4334

- Nuevo recubrimiento de PVD (AlTiN) grueso con seguridad del filo mejorada que ofrece resistencia al filo de aportación y astillamiento.
- Sustrato tenaz de grano fino y alto contenido en Cr para contar con fiabilidad y resistencia al desgaste.
- Primera elección en ISO-P.

### GC3334

- Nuevo recubrimiento multicapa de PVD (AlTiCrN) con resistencia al desgaste mejorada.
- Sustrato duro de grano fino que incrementa la resistencia al desgaste.
- Primera elección en ISO-K.

### GC2334

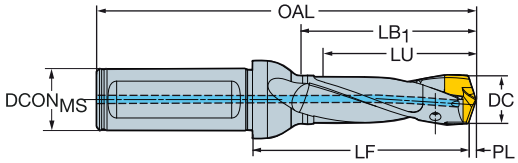
- Nuevo recubrimiento multicapa de PVD (AlTiCrN) fino con una mayor resistencia al desconchado y al astillamiento del filo secundario.
- Sustrato tenaz de grano fino de alto contenido en Cr para una gran fiabilidad y resistencia al astillamiento.
- Primera elección en ISO-M.

# Broca de punta intercambiable CoroDrill® 870

**Mango cilíndrico con plano de apriete, según ISO 9766**

**Suministro de refrigerante interior**






| | | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | | LU | $CZC_{MS}$ | TCHA | Código de pedido | $DCON_{MS}$ | LF | OAL | $LB_1$ | PL | BAR | KG | RPMX | $MIID_P$ |
| 10.00 | 10.49 | 6 | 33.09 | 16 | H9 | 870-1000-6L16-3 | 16.00 | 46.40 | 96.00 | 35.00 | 1.60 | 10 | 0.141 | 33000 | 870-1040-6-PM |
| 10.00 | 10.49 | 6 | 54.07 | 16 | H9 | 870-1000-6L16-5 | 16.00 | 67.40 | 117.00 | 56.00 | 1.60 | 10 | 0.148 | 15000 | |
| 10.00 | 10.49 | 6 | 85.54 | 16 | H9 | 870-1000-6L16-8 | 16.00 | 99.40 | 149.00 | 88.00 | 1.60 | 15 | 0.157 | 12000 | |
| 10.00 | 10.49 | 6 | 106.52 | 16 | H10 | 870-1000-6L16-10 | 16.00 | 120.40 | 170.00 | 109.00 | 1.60 | 30 | 0.161 | 9000 | |
| 10.50 | 10.99 | 7 | 34.67 | 16 | H9 | 870-1050-7L16-3 | 16.00 | 47.31 | 97.00 | 36.00 | 1.69 | 10 | 0.143 | 33000 | 870-1090-7-PM |
| 10.50 | 10.99 | 7 | 56.65 | 16 | H9 | 870-1050-7L16-5 | 16.00 | 69.31 | 119.00 | 58.00 | 1.69 | 10 | 0.150 | 15000 | |
| 10.50 | 10.99 | 7 | 89.62 | 16 | H9 | 870-1050-7L16-8 | 16.00 | 102.31 | 152.00 | 91.00 | 1.69 | 15 | 0.161 | 12000 | |
| 10.50 | 10.99 | 7 | 111.60 | 16 | H10 | 870-1050-7L16-10 | 16.00 | 124.31 | 174.00 | 113.00 | 1.69 | 30 | 0.168 | 9000 | |
| 11.00 | 11.49 | 8 | 36.23 | 16 | H9 | 870-1100-8L16-3 | 16.00 | 49.25 | 99.00 | 38.00 | 1.75 | 10 | 0.145 | 33000 | 870-1140-8-PM |
| 11.00 | 11.49 | 8 | 59.21 | 16 | H9 | 870-1100-8L16-5 | 16.00 | 72.25 | 122.00 | 61.00 | 1.75 | 10 | 0.154 | 15000 | |
| 11.00 | 11.49 | 8 | 93.68 | 16 | H9 | 870-1100-8L16-8 | 16.00 | 107.25 | 157.00 | 96.00 | 1.75 | 15 | 0.165 | 12000 | |
| 11.00 | 11.49 | 8 | 116.66 | 16 | H10 | 870-1100-8L16-10 | 16.00 | 130.25 | 180.00 | 119.00 | 1.75 | 30 | 0.172 | 9000 | |
| 11.50 | 11.99 | 9 | 37.82 | 16 | H9 | 870-1150-9L16-3 | 16.00 | 51.17 | 101.00 | 40.00 | 1.83 | 10 | 0.146 | 33000 | 870-1190-9-PM |
| 11.50 | 11.99 | 9 | 61.80 | 16 | H9 | 870-1150-9L16-5 | 16.00 | 75.17 | 125.00 | 64.00 | 1.83 | 10 | 0.157 | 15000 | |
| 11.50 | 11.99 | 9 | 97.77 | 16 | H9 | 870-1150-9L16-8 | 16.00 | 111.17 | 161.00 | 100.00 | 1.83 | 15 | 0.170 | 12000 | |
| 11.50 | 11.99 | 9 | 121.75 | 16 | H10 | 870-1150-9L16-10 | 16.00 | 135.17 | 185.00 | 124.00 | 1.83 | 30 | 0.178 | 9000 | |
| 12.00 | 12.49 | 10 | 39.38 | 16 | H9 | 870-1200-10L16-3 | 16.00 | 53.10 | 103.00 | 42.00 | 1.90 | 10 | 0.151 | 33000 | 870-1240-10-PM |
| 12.00 | 12.49 | 10 | 64.36 | 16 | H9 | 870-1200-10L16-5 | 16.00 | 77.10 | 127.00 | 66.00 | 1.90 | 10 | 0.164 | 15000 | |
| 12.00 | 12.49 | 10 | 101.83 | 16 | H9 | 870-1200-10L16-8 | 16.00 | 116.10 | 166.00 | 105.00 | 1.90 | 15 | 0.180 | 12000 | |
| 12.00 | 12.49 | 10 | 126.81 | 16 | H10 | 870-1200-10L16-10 | 16.00 | 141.10 | 191.00 | 130.00 | 1.90 | 30 | 0.187 | 7000 | |
| 12.50 | 12.99 | 11 | 40.97 | 16 | H9 | 870-1250-11L16-3 | 16.00 | 54.02 | 104.00 | 43.00 | 1.98 | 10 | 0.154 | 33000 | 870-1290-11-PM |
| 12.50 | 12.99 | 11 | 66.95 | 16 | H9 | 870-1250-11L16-5 | 16.00 | 80.02 | 130.00 | 69.00 | 1.98 | 10 | 0.167 | 15000 | |
| 12.50 | 12.99 | 11 | 105.92 | 16 | H9 | 870-1250-11L16-8 | 16.00 | 119.02 | 169.00 | 108.00 | 1.98 | 15 | 0.185 | 10000 | |
| 12.50 | 12.99 | 11 | 131.90 | 16 | H10 | 870-1250-11L16-10 | 16.00 | 145.02 | 195.00 | 134.00 | 1.98 | 30 | 0.193 | 7000 | |
| 13.00 | 13.49 | 12 | 42.54 | 16 | H9 | 870-1300-12L16-3 | 16.00 | 55.94 | 106.00 | 45.00 | 2.06 | 10 | 0.157 | 33000 | 870-1340-12-PM |
| 13.00 | 13.49 | 12 | 69.52 | 16 | H9 | 870-1300-12L16-5 | 16.00 | 82.94 | 133.00 | 72.00 | 2.06 | 10 | 0.171 | 15000 | |
| 13.00 | 13.49 | 12 | 109.99 | 16 | H9 | 870-1300-12L16-8 | 16.00 | 123.94 | 174.00 | 113.00 | 2.06 | 15 | 0.187 | 9500 | |
| 13.00 | 13.49 | 12 | 136.97 | 16 | H10 | 870-1300-12L16-10 | 16.00 | 150.94 | 201.00 | 140.00 | 2.06 | 30 | 0.220 | 6500 | |
| 13.50 | 13.99 | 13 | 44.13 | 16 | H9 | 870-1350-13L16-3 | 16.00 | 57.86 | 108.00 | 47.00 | 2.14 | 10 | 0.159 | 33000 | 870-1390-13-PM |
| 13.50 | 13.99 | 13 | 72.11 | 16 | H9 | 870-1350-13L16-5 | 16.00 | 84.86 | 135.00 | 74.00 | 2.14 | 10 | 0.175 | 15000 | |
| 13.50 | 13.99 | 13 | 114.08 | 16 | H9 | 870-1350-13L16-8 | 16.00 | 127.86 | 178.00 | 117.00 | 2.14 | 15 | 0.200 | 9500 | |
| 13.50 | 13.99 | 13 | 142.06 | 16 | H10 | 870-1350-13L16-10 | 16.00 | 155.86 | 206.00 | 145.00 | 2.14 | 30 | 0.228 | 6500 | |
| 14.00 | 14.99 | 14 | 47.27 | 20 | H9 | 870-1400-14L20-3 | 20.00 | 63.72 | 116.00 | 50.00 | 2.28 | 10 | 0.227 | 33000 | 870-1490-14-PM |
| 14.00 | 14.99 | 14 | 77.25 | 20 | H9 | 870-1400-14L20-5 | 20.00 | 93.72 | 146.00 | 80.00 | 2.28 | 10 | 0.246 | 15000 | |
| 14.00 | 14.99 | 14 | 122.22 | 20 | H9 | 870-1400-14L20-8 | 20.00 | 138.72 | 191.00 | 125.00 | 2.28 | 15 | 0.269 | 9500 | |
| 14.00 | 14.99 | 14 | 152.20 | 20 | H10 | 870-1400-14L20-10 | 20.00 | 168.72 | 221.00 | 155.00 | 2.28 | 30 | 0.308 | 6500 | |
| 15.00 | 15.99 | 15 | 50.42 | 20 | H9 | 870-1500-15L20-3 | 20.00 | 66.56 | 119.00 | 53.00 | 2.44 | 10 | 0.233 | 33000 | 870-1590-15-PM |
| 15.00 | 15.99 | 15 | 82.40 | 20 | H9 | 870-1500-15L20-5 | 20.00 | 98.56 | 151.00 | 85.00 | 2.44 | 10 | 0.258 | 15000 | |
| 15.00 | 15.99 | 15 | 130.37 | 20 | H9 | 870-1500-15L20-8 | 20.00 | 146.56 | 199.00 | 133.00 | 2.44 | 15 | 0.310 | 8000 | |
| 15.00 | 15.99 | 15 | 162.35 | 20 | H10 | 870-1500-15L20-10 | 20.00 | 178.56 | 231.00 | 165.00 | 2.44 | 30 | 0.330 | 5000 | |
| 16.00 | 16.99 | 16 | 53.56 | 20 | H9 | 870-1600-16L20-3 | 20.00 | 69.42 | 122.00 | 56.00 | 2.58 | 10 | 0.241 | 33000 | 870-1690-16-PM |
| 16.00 | 16.99 | 16 | 87.54 | 20 | H9 | 870-1600-16L20-5 | 20.00 | 103.42 | 156.00 | 90.00 | 2.58 | 10 | 0.271 | 15000 | |
| 16.00 | 16.99 | 16 | 138.51 | 20 | H9 | 870-1600-16L20-8 | 20.00 | 154.42 | 207.00 | 141.00 | 2.58 | 15 | 0.330 | 8000 | |
| 16.00 | 16.99 | 16 | 172.49 | 20 | H10 | 870-1600-16L20-10 | 20.00 | 188.42 | 241.00 | 175.00 | 2.58 | 30 | 0.352 | 5000 | |
| 17.00 | 17.99 | 17 | 56.71 | 20 | H9 | 870-1700-17L20-3 | 20.00 | 73.27 | 126.00 | 59.00 | 2.73 | 10 | 0.244 | 30000 | 870-1790-17-PM |
| 17.00 | 17.99 | 17 | 92.69 | 20 | H9 | 870-1700-17L20-5 | 20.00 | 109.27 | 162.00 | 95.00 | 2.73 | 10 | 0.280 | 13500 | |
| 17.00 | 17.99 | 17 | 146.66 | 20 | H9 | 870-1700-17L20-8 | 20.00 | 163.27 | 216.00 | 149.00 | 2.73 | 15 | 0.338 | 8000 | |
| 17.00 | 17.99 | 17 | 182.64 | 20 | H10 | 870-1700-17L20-10 | 20.00 | 199.27 | 252.00 | 185.00 | 2.73 | 30 | 0.368 | 5000 | |
| 18.00 | 18.99 | 18 | 59.86 | 20 | H9 | 870-1800-18L20-3 | 20.00 | 76.13 | 129.00 | 62.00 | 2.87 | 10 | 0.259 | 30000 | 870-1890-18-PM |
| 18.00 | 18.99 | 18 | 97.84 | 20 | H9 | 870-1800-18L20-5 | 20.00 | 113.13 | 166.00 | 100.00 | 2.87 | 10 | 0.300 | 13500 | |
| 18.00 | 18.99 | 18 | 154.81 | 20 | H9 | 870-1800-18L20-8 | 20.00 | 171.13 | 224.00 | 157.00 | 2.87 | 15 | 0.369 | 8000 | |
| 18.00 | 18.99 | 18 | 192.79 | 20 | H10 | 870-1800-18L20-10 | 20.00 | 209.13 | 262.00 | 195.00 | 2.87 | 30 | 0.420 | 5000 | |
| 19.00 | 19.99 | 19 | 63.01 | 25 | H9 | 870-1900-19L25-3 | 25.00 | 82.98 | 142.00 | 66.00 | 3.02 | 10 | 0.413 | 30000 | 870-1990-19-PM |
| 19.00 | 19.99 | 19 | 102.99 | 25 | H9 | 870-1900-19L25-5 | 25.00 | 122.98 | 182.00 | 106.00 | 3.02 | 10 | 0.460 | 13500 | |
| 19.00 | 19.99 | 19 | 162.96 | 25 | H9 | 870-1900-19L25-8 | 25.00 | 182.98 | 242.00 | 166.00 | 3.02 | 15 | 0.560 | 7000 | |
| 19.00 | 19.99 | 19 | 202.94 | 25 | H10 | 870-1900-19L25-10 | 25.00 | 222.98 | 282.00 | 206.00 | 3.02 | 30 | 0.595 | 4500 | |
| 20.00 | 20.99 | 20 | 66.16 | 25 | H9 | 870-2000-20L25-3 | 25.00 | 86.83 | 146.00 | 69.00 | 3.17 | 10 | 0.434 | 21500 | 870-2090-20-PM |
| 20.00 | 20.99 | 20 | 108.14 | 25 | H9 | 870-2000-20L25-5 | 25.00 | 128.83 | 188.00 | 111.00 | 3.17 | 10 | 0.492 | 12000 | |
| 20.00 | 20.99 | 20 | 171.11 | 25 | H9 | 870-2000-20L25-8 | 25.00 | 191.83 | 251.00 | 174.00 | 3.17 | 15 | 0.591 | 7000 | |
| 20.00 | 20.99 | 20 | 213.09 | 25 | H10 | 870-2000-20L25-10 | 25.00 | 233.83 | 293.00 | 216.00 | 3.17 | 30 | 0.632 | 4500 | |

J8 L2 N23 N6 N15



SANDVIK Coromant

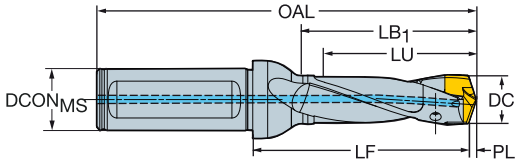
SPA

# Broca de punta intercambiable CoroDrill® 870

**Mango cilíndrico con plano de apriete, según ISO 9766**

**Suministro de refrigerante interior**





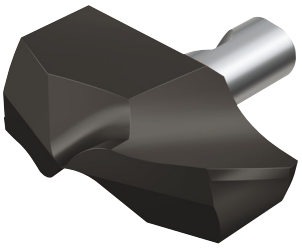

| | | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | | LU | $CZC_{MS}$ | TCHA | Código de pedido | $DCON_{MS}$ | LF | OAL | $LB_1$ | PL | BAR | KG | RPMX | $MIID_P$ |
| 21.00 | 21.99 | 21 | 69.30 | 25 | H9 | 870-2100-21L25-3 | 25.00 | 89.68 | 149.00 | 72.00 | 3.32 | 10 | 0.450 | 21500 | 870-2190-21-PM |
| 21.00 | 21.99 | 21 | 113.28 | 25 | H9 | 870-2100-21L25-5 | 25.00 | 133.68 | 193.00 | 116.00 | 3.32 | 10 | 0.508 | 12000 | |
| 21.00 | 21.99 | 21 | 179.25 | 25 | H9 | 870-2100-21L25-8 | 25.00 | 199.68 | 259.00 | 182.00 | 3.32 | 15 | 0.627 | 7000 | |
| 21.00 | 21.99 | 21 | 223.23 | 25 | H10 | 870-2100-21L25-10 | 25.00 | 243.68 | 303.00 | 226.00 | 3.32 | 30 | 0.679 | 4500 | |
| 22.00 | 22.99 | 22 | 72.45 | 25 | H9 | 870-2200-22L25-3 | 25.00 | 93.53 | 153.00 | 76.00 | 3.47 | 10 | 0.470 | 21500 | 870-2290-22-PM |
| 22.00 | 22.99 | 22 | 118.43 | 25 | H9 | 870-2200-22L25-5 | 25.00 | 139.53 | 199.00 | 122.00 | 3.47 | 10 | 0.575 | 12000 | |
| 22.00 | 22.99 | 22 | 187.40 | 25 | H9 | 870-2200-22L25-8 | 25.00 | 208.53 | 268.00 | 191.00 | 3.47 | 15 | 0.675 | 7000 | |
| 22.00 | 22.99 | 22 | 233.38 | 25 | H10 | 870-2200-22L25-10 | 25.00 | 253.53 | 313.00 | 236.00 | 3.47 | 30 | 0.724 | 4500 | |
| 23.00 | 23.99 | 23 | 75.59 | 25 | H9 | 870-2300-23L25-3 | 25.00 | 97.39 | 157.00 | 79.00 | 3.61 | 10 | 0.485 | 21500 | 870-2390-23-PM |
| 23.00 | 23.99 | 23 | 123.57 | 25 | H9 | 870-2300-23L25-5 | 25.00 | 145.39 | 205.00 | 127.00 | 3.61 | 10 | 0.600 | 21500 | |
| 23.00 | 23.99 | 23 | 195.54 | 25 | H9 | 870-2300-23L25-8 | 25.00 | 217.39 | 277.00 | 199.00 | 3.61 | 15 | 0.706 | 6000 | |
| 23.00 | 23.99 | 23 | 243.52 | 25 | H10 | 870-2300-23L25-10 | 25.00 | 265.39 | 325.00 | 247.00 | 3.61 | 30 | 0.776 | 4000 | |
| 24.00 | 24.99 | 24 | 78.75 | 32 | H9 | 870-2400-24L32-3 | 32.00 | 104.23 | 168.00 | 82.00 | 3.77 | 10 | 0.728 | 16000 | 870-2490-24-PM |
| 24.00 | 24.99 | 24 | 128.73 | 32 | H9 | 870-2400-24L32-5 | 32.00 | 155.23 | 219.00 | 132.00 | 3.77 | 10 | 0.898 | 10500 | |
| 24.00 | 24.99 | 24 | 203.70 | 32 | H9 | 870-2400-24L32-8 | 32.00 | 229.23 | 293.00 | 207.00 | 3.77 | 15 | 1.033 | 6000 | |
| 24.00 | 24.99 | 24 | 253.68 | 32 | H10 | 870-2400-24L32-10 | 32.00 | 275.23 | 339.00 | 257.00 | 3.77 | 30 | 1.073 | 4000 | |
| 25.00 | 25.99 | 25 | 81.90 | 32 | H9 | 870-2500-25L32-3 | 32.00 | 107.09 | 171.00 | 85.00 | 3.91 | 10 | 0.818 | 16000 | 870-2590-25-PM |
| 25.00 | 25.99 | 25 | 133.88 | 32 | H9 | 870-2500-25L32-5 | 32.00 | 159.09 | 223.00 | 137.00 | 3.91 | 10 | 0.930 | 10500 | |
| 25.00 | 25.99 | 25 | 211.85 | 32 | H9 | 870-2500-25L32-8 | 32.00 | 237.09 | 301.00 | 215.00 | 3.91 | 15 | 1.085 | 6000 | |
| 25.00 | 25.99 | 25 | 263.83 | 32 | H10 | 870-2500-25L32-10 | 32.00 | 289.09 | 353.00 | 267.00 | 3.91 | 30 | 1.121 | 4000 | |
| 26.00 | 26.99 | 26 | 85.05 | 32 | H9 | 870-2600-26L32-3 | 32.00 | 111.97 | 176.00 | 89.00 | 4.03 | 10 | 0.838 | 16000 | 870-2665-26-PM |
| 26.00 | 26.99 | 26 | 139.03 | 32 | H9 | 870-2600-26L32-5 | 32.00 | 165.97 | 230.00 | 143.00 | 4.03 | 10 | 0.956 | 10500 | |
| 26.00 | 26.99 | 26 | 220.00 | 32 | H9 | 870-2600-26L32-8 | 32.00 | 245.97 | 310.00 | 223.00 | 4.03 | 15 | 1.085 | 6000 | |
| 26.00 | 26.99 | 26 | 273.98 | 32 | H10 | 870-2600-26L32-10 | 32.00 | 299.97 | 364.00 | 277.00 | 4.03 | 10 | 1.269 | 3500 | |
| 27.00 | 27.99 | 27 | 88.21 | 32 | H9 | 870-2700-27L32-3 | 32.00 | 113.86 | 178.00 | 92.00 | 4.14 | 10 | 0.851 | 16000 | 870-2750-27-PM |
| 27.00 | 27.99 | 27 | 144.19 | 32 | H9 | 870-2700-27L32-5 | 32.00 | 170.86 | 235.00 | 148.00 | 4.14 | 10 | 0.997 | 10500 | |
| 27.00 | 27.99 | 27 | 228.16 | 32 | H9 | 870-2700-27L32-8 | 32.00 | 253.86 | 318.00 | 232.00 | 4.14 | 10 | 1.163 | 5000 | |
| 28.00 | 28.99 | 28 | 91.36 | 32 | H9 | 870-2800-28L32-3 | 32.00 | 116.68 | 181.00 | 95.00 | 4.32 | 10 | 0.906 | 16000 | 870-2858-28-PM |
| 28.00 | 28.99 | 28 | 149.34 | 32 | H9 | 870-2800-28L32-5 | 32.00 | 174.68 | 239.00 | 153.00 | 4.32 | 10 | 1.056 | 10500 | |
| 28.00 | 28.99 | 28 | 236.31 | 32 | H9 | 870-2800-28L32-8 | 32.00 | 261.68 | 326.00 | 240.00 | 4.32 | 10 | 1.249 | 5000 | |
| 29.00 | 29.99 | 29 | 94.50 | 32 | H9 | 870-2900-29L32-3 | 32.00 | 119.52 | 184.00 | 98.00 | 4.48 | 10 | 0.922 | 16000 | 870-2965-29-PM |
| 29.00 | 29.99 | 29 | 154.48 | 32 | H9 | 870-2900-29L32-5 | 32.00 | 180.52 | 245.00 | 158.00 | 4.48 | 10 | 1.098 | 10500 | |
| 29.00 | 29.99 | 29 | 244.45 | 32 | H9 | 870-2900-29L32-8 | 32.00 | 269.52 | 334.00 | 248.00 | 4.48 | 10 | 1.314 | 5000 | |
| 30.00 | 30.99 | 30 | 97.65 | 32 | H9 | 870-3000-30L32-3 | 32.00 | 123.40 | 188.00 | 102.00 | 4.60 | 10 | 0.961 | 16000 | 870-3050-30-PM |
| 30.00 | 30.99 | 30 | 159.63 | 32 | H9 | 870-3000-30L32-5 | 32.00 | 186.40 | 251.00 | 164.00 | 4.60 | 10 | 1.150 | 9500 | |
| 30.00 | 30.99 | 30 | 252.60 | 32 | H9 | 870-3000-30L32-8 | 32.00 | 277.40 | 342.00 | 256.00 | 4.60 | 10 | 1.415 | 4000 | |
| 31.00 | 33.00 | 31 | 104.09 | 32 | H9 | 870-3100-31L32-3 | 32.00 | 128.92 | 194.00 | 108.00 | 5.08 | 10 | 1.008 | 16000 | 870-3300-31-PM |
| 31.00 | 33.00 | 31 | 170.09 | 32 | H9 | 870-3100-31L32-5 | 32.00 | 194.92 | 260.00 | 174.00 | 5.08 | 10 | 1.233 | 9500 | |
| 31.00 | 33.00 | 31 | 269.09 | 32 | H9 | 870-3100-31L32-8 | 32.00 | 293.92 | 359.00 | 273.00 | 5.08 | 10 | 1.555 | 4000 | |

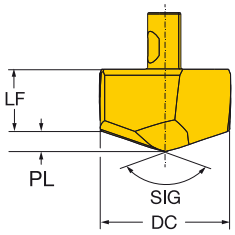
| | Piezas de repuesto | | Piezas de repuesto |
|---|---|---|---|
| | Tornillo de plaquita | | Tornillo de plaquita |
| 6 | 5513 031-15 | 19 | 5513 031-13 |
| 7 | 5513 031-15 | 20 | 5513 031-14 |
| 8 | 5513 031-15 | 21 | 5513 031-14 |
| 9 | 5513 031-15 | 22 | 5513 031-14 |
| 10 | 5513 031-12 | 23 | 5513 031-14 |
| 11 | 5513 031-12 | 24 | 5513 031-16 |
| 12 | 5513 031-12 | 25 | 5513 031-16 |
| 13 | 5513 031-12 | 26 | 5513 031-16 |
| 14 | 5513 031-12 | 27 | 5513 031-16 |
| 15 | 5513 031-12 | 28 | 5513 031-17 |
| 16 | 5513 031-13 | 29 | 5513 031-17 |
| 17 | 5513 031-13 | 30 | 5513 031-17 |
| 18 | 5513 031-13 | 31 | 5513 031-17 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

J8 L2 N23 N6 N15

# Punta de broca CoroDrill® 870

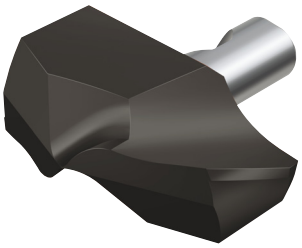


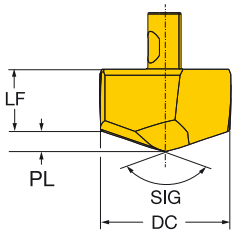



| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 10.00 | 6 | 870-1000-6-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 4.7 | 1.5 | 142° | H9 |
| 10.00 | | 870-1000-6-MM | | | ★ | | | | | ☆ | | 4.7 | 1.5 | 142° | H9 |
| 10.00 | | 870-1000-6-KM | ☆ | | | | ★ | | | | | 4.4 | 1.8 | 142° | H9 |
| 10.00 | | 870-1000-6-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 4.6 | 1.1 | 152° | F9 |
| 10.10 | | 870-1010-6-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 4.7 | 1.6 | 142° | H9 |
| 10.10 | | 870-1010-6-MM | | | ★ | | | | | ☆ | | 4.7 | 1.6 | 142° | H9 |
| 10.10 | | 870-1010-6-KM | ☆ | | | | ★ | | | | | 4.4 | 1.8 | 142° | H9 |
| 10.10 | | 870-1010-6-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 4.6 | 1.1 | 152° | F9 |
| 10.20 | | 870-1020-6-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 4.6 | 1.6 | 142° | H9 |
| 10.20 | | 870-1020-6-MM | | | ★ | | | | | ☆ | | 4.6 | 1.6 | 142° | H9 |
| 10.20 | | 870-1020-6-KM | ☆ | | | | ★ | | | | | 4.3 | 1.9 | 142° | H9 |
| 10.20 | | 870-1020-6-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 4.6 | 1.1 | 152° | F9 |
| 10.30 | | 870-1030-6-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 4.6 | 1.6 | 142° | H9 |
| 10.30 | | 870-1030-6-MM | | | ★ | | | | | ☆ | | 4.6 | 1.6 | 142° | H9 |
| 10.30 | | 870-1030-6-KM | ☆ | | | | ★ | | | | | 4.3 | 1.9 | 142° | H9 |
| 10.30 | | 870-1030-6-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 4.6 | 1.1 | 152° | F9 |
| 10.40 | | 870-1040-6-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 4.6 | 1.6 | 142° | H9 |
| 10.40 | | 870-1040-6-MM | | | ★ | | | | | ☆ | | 4.6 | 1.6 | 142° | H9 |
| 10.40 | | 870-1040-6-KM | ☆ | | | | ★ | | | | | 4.3 | 1.9 | 142° | H9 |
| 10.40 | | 870-1040-6-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 4.6 | 1.1 | 152° | F9 |
| 10.50 | 7 | 870-1050-7-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 4.6 | 1.6 | 142° | H9 |
| 10.50 | | 870-1050-7-MM | | | ★ | | | | | ☆ | | 4.6 | 1.6 | 142° | H9 |
| 10.50 | | 870-1050-7-KM | ☆ | | | | ★ | | | | | 4.3 | 1.9 | 142° | H9 |
| 10.50 | | 870-1050-7-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 4.6 | 1.2 | 152° | F9 |
| 10.60 | | 870-1060-7-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 4.6 | 1.6 | 142° | H9 |
| 10.60 | | 870-1060-7-MM | | | ★ | | | | | ☆ | | 4.6 | 1.6 | 142° | H9 |
| 10.60 | | 870-1060-7-KM | ☆ | | | | ★ | | | | | 4.3 | 1.9 | 142° | H9 |
| 10.60 | | 870-1060-7-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 4.6 | 1.2 | 152° | F9 |
| 10.70 | | 870-1070-7-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 4.6 | 1.7 | 142° | H9 |
| 10.70 | | 870-1070-7-MM | | | ★ | | | | | ☆ | | 4.6 | 1.7 | 142° | H9 |
| 10.70 | | 870-1070-7-KM | ☆ | | | | ★ | | | | | 4.3 | 1.9 | 142° | H9 |
| 10.70 | | 870-1070-7-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 4.5 | 1.2 | 152° | F9 |
| 10.80 | | 870-1080-7-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 4.5 | 1.7 | 142° | H9 |
| 10.80 | | 870-1080-7-MM | | | ★ | | | | | ☆ | | 4.5 | 1.7 | 142° | H9 |
| 10.80 | | 870-1080-7-KM | ☆ | | | | ★ | | | | | 4.3 | 2.0 | 142° | H9 |
| 10.80 | | 870-1080-7-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 4.5 | 1.2 | 152° | F9 |
| 10.90 | | 870-1090-7-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 4.5 | 1.7 | 142° | H9 |
| 10.90 | | 870-1090-7-MM | | | ★ | | | | | ☆ | | 4.5 | 1.7 | 142° | H9 |
| 10.90 | | 870-1090-7-KM | ☆ | | | | ★ | | | | | 4.2 | 2.0 | 142° | H9 |
| 10.90 | | 870-1090-7-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 4.5 | 1.2 | 152° | F9 |

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# Punta de broca CoroDrill® 870

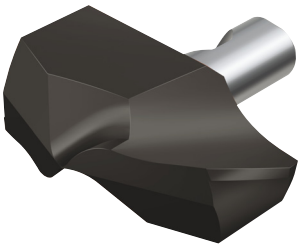


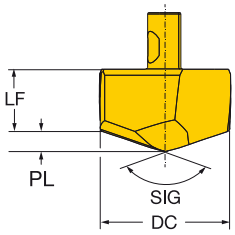



| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 11.00 | 8 | 870-1100-8-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.2 | 1.7 | 142° | H9 |
| 11.00 | | 870-1100-8-MM | | | ★ | | | | | ☆ | | 5.2 | 1.7 | 142° | H9 |
| 11.00 | | 870-1100-8-KM | ☆ | | | | ★ | | | | | 4.9 | 2.0 | 142° | H9 |
| 11.00 | | 870-1100-8-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.2 | 1.2 | 152° | F9 |
| 11.10 | | 870-1110-8-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.2 | 1.7 | 142° | H9 |
| 11.10 | | 870-1110-8-MM | | | ★ | | | | | ☆ | | 5.2 | 1.7 | 142° | H9 |
| 11.10 | | 870-1110-8-KM | ☆ | | | | ★ | | | | | 4.9 | 2.0 | 142° | H9 |
| 11.10 | | 870-1110-8-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.2 | 1.2 | 152° | F9 |
| 11.11 | | 870-1111-8-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.2 | 1.7 | 142° | H9 |
| 11.11 | | 870-1111-8-MM | | | ★ | | | | | ☆ | | 5.2 | 1.7 | 142° | H9 |
| 11.11 | | 870-1111-8-KM | ☆ | | | | ★ | | | | | 4.9 | 2.0 | 142° | H9 |
| 11.11 | | 870-1111-8-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.2 | 1.2 | 152° | F9 |
| 11.20 | | 870-1120-8-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.2 | 1.7 | 142° | H9 |
| 11.20 | | 870-1120-8-MM | | | ★ | | | | | ☆ | | 5.2 | 1.7 | 142° | H9 |
| 11.20 | | 870-1120-8-KM | ☆ | | | | ★ | | | | | 4.9 | 2.0 | 142° | H9 |
| 11.20 | | 870-1120-8-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.2 | 1.2 | 152° | F9 |
| 11.30 | | 870-1130-8-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.2 | 1.7 | 142° | H9 |
| 11.30 | | 870-1130-8-MM | | | ★ | | | | | ☆ | | 5.2 | 1.7 | 142° | H9 |
| 11.30 | | 870-1130-8-KM | ☆ | | | | ★ | | | | | 4.9 | 2.0 | 142° | H9 |
| 11.30 | | 870-1130-8-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.2 | 1.2 | 152° | F9 |
| 11.40 | | 870-1140-8-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.2 | 1.8 | 142° | H9 |
| 11.40 | | 870-1140-8-MM | | | ★ | | | | | ☆ | | 5.2 | 1.8 | 142° | H9 |
| 11.40 | | 870-1140-8-KM | ☆ | | | | ★ | | | | | 4.9 | 2.0 | 142° | H9 |
| 11.40 | | 870-1140-8-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.2 | 1.2 | 152° | F9 |
| 11.50 | 9 | 870-1150-9-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.1 | 1.8 | 142° | H9 |
| 11.50 | | 870-1150-9-MM | | | ★ | | | | | ☆ | | 5.1 | 1.8 | 142° | H9 |
| 11.50 | | 870-1150-9-KM | ☆ | | | | ★ | | | | | 4.8 | 2.1 | 142° | H9 |
| 11.50 | | 870-1150-9-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.2 | 1.2 | 152° | F9 |
| 11.60 | | 870-1160-9-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.1 | 1.8 | 142° | H9 |
| 11.60 | | 870-1160-9-MM | | | ★ | | | | | ☆ | | 5.1 | 1.8 | 142° | H9 |
| 11.60 | | 870-1160-9-KM | ☆ | | | | ★ | | | | | 4.8 | 2.1 | 142° | H9 |
| 11.60 | | 870-1160-9-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.2 | 1.3 | 152° | F9 |
| 11.70 | | 870-1170-9-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.1 | 1.8 | 142° | H9 |
| 11.70 | | 870-1170-9-MM | | | ★ | | | | | ☆ | | 5.1 | 1.8 | 142° | H9 |
| 11.70 | | 870-1170-9-KM | ☆ | | | | ★ | | | | | 4.8 | 2.2 | 142° | H9 |
| 11.70 | | 870-1170-9-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.1 | 1.3 | 152° | F9 |
| 11.80 | | 870-1180-9-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.1 | 1.8 | 142° | H9 |
| 11.80 | | 870-1180-9-MM | | | ★ | | | | | ☆ | | 5.1 | 1.8 | 142° | H9 |
| 11.80 | | 870-1180-9-KM | ☆ | | | | ★ | | | | | 4.7 | 2.2 | 142° | H9 |
| 11.80 | | 870-1180-9-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.1 | 1.3 | 152° | F9 |
| 11.90 | | 870-1190-9-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.1 | 1.8 | 142° | H9 |
| 11.90 | | 870-1190-9-MM | | | ★ | | | | | ☆ | | 5.1 | 1.8 | 142° | H9 |
| 11.90 | | 870-1190-9-KM | ☆ | | | | ★ | | | | | 4.7 | 2.2 | 142° | H9 |
| 11.90 | | 870-1190-9-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.1 | 1.3 | 152° | F9 |

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# Punta de broca CoroDrill® 870





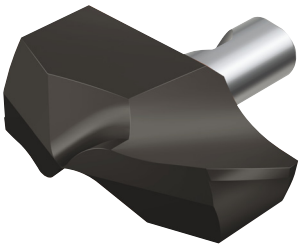

| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 12.00 | 10 | 870-1200-10-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.7 | 1.8 | 142° | H9 |
| 12.00 | | 870-1200-10-MM | | | ★ | | | | | ☆ | | 5.7 | 1.8 | 142° | H9 |
| 12.00 | | 870-1200-10-KM | ☆ | | | | ★ | | | | | 5.3 | 2.2 | 142° | H9 |
| 12.00 | | 870-1200-10-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.7 | 1.3 | 152° | F9 |
| 12.10 | | 870-1210-10-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.7 | 1.9 | 142° | H9 |
| 12.10 | | 870-1210-10-MM | | | ★ | | | | | ☆ | | 5.7 | 1.9 | 142° | H9 |
| 12.10 | | 870-1210-10-KM | ☆ | | | | ★ | | | | | 5.3 | 2.2 | 142° | H9 |
| 12.10 | | 870-1210-10-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.7 | 1.3 | 152° | F9 |
| 12.20 | | 870-1220-10-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.6 | 1.9 | 142° | H9 |
| 12.20 | | 870-1220-10-MM | | | ★ | | | | | ☆ | | 5.6 | 1.9 | 142° | H9 |
| 12.20 | | 870-1220-10-KM | ☆ | | | | ★ | | | | | 5.3 | 2.2 | 142° | H9 |
| 12.20 | | 870-1220-10-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.7 | 1.3 | 152° | F9 |
| 12.30 | | 870-1230-10-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.6 | 1.9 | 142° | H9 |
| 12.30 | | 870-1230-10-MM | | | ★ | | | | | ☆ | | 5.6 | 1.9 | 142° | H9 |
| 12.30 | | 870-1230-10-KM | ☆ | | | | ★ | | | | | 5.3 | 2.2 | 142° | H9 |
| 12.30 | | 870-1230-10-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.7 | 1.3 | 152° | F9 |
| 12.40 | | 870-1240-10-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.6 | 1.9 | 142° | H9 |
| 12.40 | | 870-1240-10-MM | | | ★ | | | | | ☆ | | 5.6 | 1.9 | 142° | H9 |
| 12.40 | | 870-1240-10-KM | ☆ | | | | ★ | | | | | 5.3 | 2.3 | 142° | H9 |
| 12.40 | | 870-1240-10-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.7 | 1.3 | 152° | F9 |
| 12.50 | 11 | 870-1250-11-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.6 | 1.9 | 142° | H9 |
| 12.50 | | 870-1250-11-MM | | | ★ | | | | | ☆ | | 5.6 | 1.9 | 142° | H9 |
| 12.50 | | 870-1250-11-KM | ☆ | | | | ★ | | | | | 5.2 | 2.3 | 142° | H9 |
| 12.50 | | 870-1250-11-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.7 | 1.3 | 152° | F9 |
| 12.60 | | 870-1260-11-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.6 | 1.9 | 142° | H9 |
| 12.60 | | 870-1260-11-MM | | | ★ | | | | | ☆ | | 5.6 | 1.9 | 142° | H9 |
| 12.60 | | 870-1260-11-KM | ☆ | | | | ★ | | | | | 5.2 | 2.3 | 142° | H9 |
| 12.60 | | 870-1260-11-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.6 | 1.4 | 152° | F9 |
| 12.70 | | 870-1270-11-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.6 | 2.0 | 142° | H9 |
| 12.70 | | 870-1270-11-MM | | | ★ | | | | | ☆ | | 5.6 | 2.0 | 142° | H9 |
| 12.70 | | 870-1270-11-KM | ☆ | | | | ★ | | | | | 5.2 | 2.3 | 142° | H9 |
| 12.70 | | 870-1270-11-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.6 | 1.4 | 152° | F9 |
| 12.80 | | 870-1280-11-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.5 | 2.0 | 142° | H9 |
| 12.80 | | 870-1280-11-MM | | | ★ | | | | | ☆ | | 5.5 | 2.0 | 142° | H9 |
| 12.80 | | 870-1280-11-KM | ☆ | | | | ★ | | | | | 5.2 | 2.3 | 142° | H9 |
| 12.80 | | 870-1280-11-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.6 | 1.4 | 152° | F9 |
| 12.90 | | 870-1290-11-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.5 | 2.0 | 142° | H9 |
| 12.90 | | 870-1290-11-MM | | | ★ | | | | | ☆ | | 5.5 | 2.0 | 142° | H9 |
| 12.90 | | 870-1290-11-KM | ☆ | | | | ★ | | | | | 5.2 | 2.3 | 142° | H9 |
| 12.90 | | 870-1290-11-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 5.6 | 1.4 | 152° | F9 |

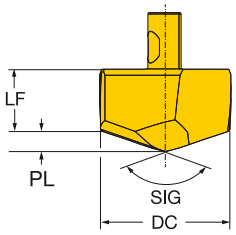
J6 J50 J5 N23 N6



SANDVIK Coromant

# Punta de broca CoroDrill® 870

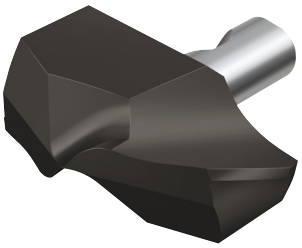


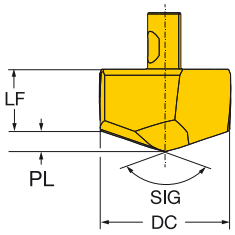



| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 13.00 | 12 | 870-1300-12-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.0 | 2.0 | 142° | H9 |
| 13.00 | | 870-1300-12-PL | | ☆ | | ★ | | | | | | 5.4 | 2.6 | 142° | H9 |
| 13.00 | | 870-1300-12-MM | | | ★ | | | | | ☆ | | 6.0 | 2.0 | 142° | H9 |
| 13.00 | | 870-1300-12-KM | ☆ | | | | ★ | | | | | 5.6 | 2.4 | 142° | H9 |
| 13.00 | | 870-1300-12-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.1 | 1.4 | 152° | F9 |
| 13.10 | | 870-1310-12-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.0 | 2.0 | 142° | H9 |
| 13.10 | | 870-1310-12-MM | | | ★ | | | | | ☆ | | 6.0 | 2.0 | 142° | H9 |
| 13.10 | | 870-1310-12-KM | ☆ | | | | ★ | | | | | 5.6 | 2.4 | 142° | H9 |
| 13.10 | | 870-1310-12-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.1 | 1.4 | 152° | F9 |
| 13.20 | | 870-1320-12-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.0 | 2.0 | 142° | H9 |
| 13.20 | | 870-1320-12-MM | | | ★ | | | | | ☆ | | 6.0 | 2.0 | 142° | H9 |
| 13.20 | | 870-1320-12-KM | ☆ | | | | ★ | | | | | 5.6 | 2.5 | 142° | H9 |
| 13.20 | | 870-1320-12-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.1 | 1.4 | 152° | F9 |
| 13.30 | | 870-1330-12-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.0 | 2.0 | 142° | H9 |
| 13.30 | | 870-1330-12-MM | | | ★ | | | | | ☆ | | 6.0 | 2.0 | 142° | H9 |
| 13.30 | | 870-1330-12-KM | ☆ | | | | ★ | | | | | 5.5 | 2.5 | 142° | H9 |
| 13.30 | | 870-1330-12-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.1 | 1.4 | 152° | F9 |
| 13.40 | | 870-1340-12-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.9 | 2.1 | 142° | H9 |
| 13.40 | | 870-1340-12-MM | | | ★ | | | | | ☆ | | 5.9 | 2.1 | 142° | H9 |
| 13.40 | | 870-1340-12-KM | ☆ | | | | ★ | | | | | 5.5 | 2.5 | 142° | H9 |
| 13.40 | | 870-1340-12-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.1 | 1.4 | 152° | F9 |
| 13.50 | 13 | 870-1350-13-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.9 | 2.1 | 142° | H9 |
| 13.50 | | 870-1350-13-MM | | | ★ | | | | | ☆ | | 5.9 | 2.1 | 142° | H9 |
| 13.50 | | 870-1350-13-KM | ☆ | | | | ★ | | | | | 5.5 | 2.5 | 142° | H9 |
| 13.50 | | 870-1350-13-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.1 | 1.5 | 152° | F9 |
| 13.60 | | 870-1360-13-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.9 | 2.1 | 142° | H9 |
| 13.60 | | 870-1360-13-MM | | | ★ | | | | | ☆ | | 5.9 | 2.1 | 142° | H9 |
| 13.60 | | 870-1360-13-KM | ☆ | | | | ★ | | | | | 5.5 | 2.5 | 142° | H9 |
| 13.60 | | 870-1360-13-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.0 | 1.5 | 152° | F9 |
| 13.70 | | 870-1370-13-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.9 | 2.1 | 142° | H9 |
| 13.70 | | 870-1370-13-MM | | | ★ | | | | | ☆ | | 5.9 | 2.1 | 142° | H9 |
| 13.70 | | 870-1370-13-KM | ☆ | | | | ★ | | | | | 5.5 | 2.5 | 142° | H9 |
| 13.70 | | 870-1370-13-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.0 | 1.5 | 152° | F9 |
| 13.80 | | 870-1380-13-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.9 | 2.1 | 142° | H9 |
| 13.80 | | 870-1380-13-MM | | | ★ | | | | | ☆ | | 5.9 | 2.1 | 142° | H9 |
| 13.80 | | 870-1380-13-KM | ☆ | | | | ★ | | | | | 5.5 | 2.6 | 142° | H9 |
| 13.80 | | 870-1380-13-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.0 | 1.5 | 152° | F9 |
| 13.90 | | 870-1390-13-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 5.9 | 2.1 | 142° | H9 |
| 13.90 | | 870-1390-13-MM | | | ★ | | | | | ☆ | | 5.9 | 2.1 | 142° | H9 |
| 13.90 | | 870-1390-13-KM | ☆ | | | | ★ | | | | | 5.4 | 2.6 | 142° | H9 |
| 13.90 | | 870-1390-13-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.0 | 1.5 | 152° | F9 |

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# Punta de broca CoroDrill® 870






| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 14.00 | 14 | 870-1400-14-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.6 | 2.1 | 142° | H9 |
| 14.00 | | 870-1400-14-MM | | | ★ | | | | | ☆ | | 6.6 | 2.1 | 142° | H9 |
| 14.00 | | 870-1400-14-KM | ☆ | | | | ★ | | | | | 6.1 | 2.6 | 142° | H9 |
| 14.00 | | 870-1400-14-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.7 | 1.5 | 152° | F9 |
| 14.10 | | 870-1410-14-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.6 | 2.2 | 142° | H9 |
| 14.10 | | 870-1410-14-MM | | | ★ | | | | | ☆ | | 6.6 | 2.2 | 142° | H9 |
| 14.10 | | 870-1410-14-KM | ☆ | | | | ★ | | | | | 6.1 | 2.6 | 142° | H9 |
| 14.10 | | 870-1410-14-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.7 | 1.5 | 152° | F9 |
| 14.20 | | 870-1420-14-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.5 | 2.2 | 142° | H9 |
| 14.20 | | 870-1420-14-MM | | | ★ | | | | | ☆ | | 6.5 | 2.2 | 142° | H9 |
| 14.20 | | 870-1420-14-KM | ☆ | | | | ★ | | | | | 6.1 | 2.6 | 142° | H9 |
| 14.20 | | 870-1420-14-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.7 | 1.5 | 152° | F9 |
| 14.29 | | 870-1429-14-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.5 | 2.2 | 142° | H9 |
| 14.29 | | 870-1429-14-MM | | | ★ | | | | | ☆ | | 6.5 | 2.2 | 142° | H9 |
| 14.29 | | 870-1429-14-KM | ☆ | | | | ★ | | | | | 6.1 | 2.6 | 142° | H9 |
| 14.29 | | 870-1429-14-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.7 | 1.5 | 152° | F9 |
| 14.30 | | 870-1430-14-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.5 | 2.2 | 142° | H9 |
| 14.30 | | 870-1430-14-MM | | | ★ | | | | | ☆ | | 6.5 | 2.2 | 142° | H9 |
| 14.30 | | 870-1430-14-KM | ☆ | | | | ★ | | | | | 6.1 | 2.6 | 142° | H9 |
| 14.30 | | 870-1430-14-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.7 | 1.5 | 152° | F9 |
| 14.40 | | 870-1440-14-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.5 | 2.2 | 142° | H9 |
| 14.40 | | 870-1440-14-MM | | | ★ | | | | | ☆ | | 6.5 | 2.2 | 142° | H9 |
| 14.40 | | 870-1440-14-KM | ☆ | | | | ★ | | | | | 6.1 | 2.6 | 142° | H9 |
| 14.40 | | 870-1440-14-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.7 | 1.5 | 152° | F9 |
| 14.50 | | 870-1450-14-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.5 | 2.2 | 142° | H9 |
| 14.50 | | 870-1450-14-MM | | | ★ | | | | | ☆ | | 6.5 | 2.2 | 142° | H9 |
| 14.50 | | 870-1450-14-KM | ☆ | | | | ★ | | | | | 6.1 | 2.6 | 142° | H9 |
| 14.50 | | 870-1450-14-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.7 | 1.6 | 152° | F9 |
| 14.60 | | 870-1460-14-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.5 | 2.2 | 142° | H9 |
| 14.60 | | 870-1460-14-MM | | | ★ | | | | | ☆ | | 6.5 | 2.2 | 142° | H9 |
| 14.60 | | 870-1460-14-KM | ☆ | | | | ★ | | | | | 6.0 | 2.7 | 142° | H9 |
| 14.60 | | 870-1460-14-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.6 | 1.6 | 152° | F9 |
| 14.70 | | 870-1470-14-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.5 | 2.3 | 142° | H9 |
| 14.70 | | 870-1470-14-MM | | | ★ | | | | | ☆ | | 6.5 | 2.3 | 142° | H9 |
| 14.70 | | 870-1470-14-KM | ☆ | | | | ★ | | | | | 6.0 | 2.7 | 142° | H9 |
| 14.70 | | 870-1470-14-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.6 | 1.6 | 152° | F9 |
| 14.80 | | 870-1480-14-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.4 | 2.3 | 142° | H9 |
| 14.80 | | 870-1480-14-MM | | | ★ | | | | | ☆ | | 6.4 | 2.3 | 142° | H9 |
| 14.80 | | 870-1480-14-KM | ☆ | | | | ★ | | | | | 6.0 | 2.7 | 142° | H9 |
| 14.80 | | 870-1480-14-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.6 | 1.6 | 152° | F9 |
| 14.90 | | 870-1490-14-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.4 | 2.3 | 142° | H9 |
| 14.90 | | 870-1490-14-MM | | | ★ | | | | | ☆ | | 6.4 | 2.3 | 142° | H9 |
| 14.90 | | 870-1490-14-KM | ☆ | | | | ★ | | | | | 6.0 | 2.7 | 142° | H9 |
| 14.90 | | 870-1490-14-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 6.6 | 1.6 | 152° | F9 |

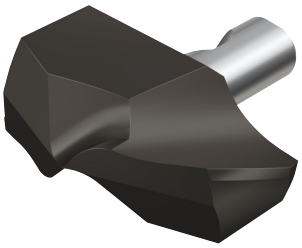
J6 J50 J5 N23 N6

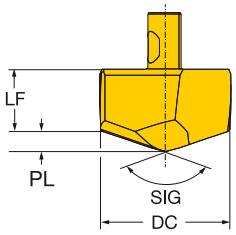


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SPA

# Punta de broca CoroDrill® 870



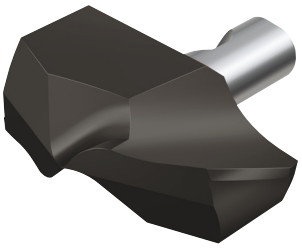


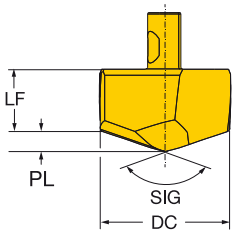

| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 15.00 | 15 | 870-1500-15-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.0 | 2.3 | 142° | H9 |
| 15.00 | | 870-1500-15-MM | | | ★ | | | | | ☆ | | 7.0 | 2.3 | 142° | H9 |
| 15.00 | | 870-1500-15-KM | ☆ | | | | ★ | | | | | 6.5 | 2.8 | 142° | H9 |
| 15.00 | | 870-1500-15-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.2 | 1.6 | 152° | F9 |
| 15.10 | | 870-1510-15-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.0 | 2.3 | 142° | H9 |
| 15.10 | | 870-1510-15-MM | | | ★ | | | | | ☆ | | 7.0 | 2.3 | 142° | H9 |
| 15.10 | | 870-1510-15-KM | ☆ | | | | ★ | | | | | 6.5 | 2.8 | 142° | H9 |
| 15.10 | | 870-1510-15-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.2 | 1.6 | 152° | F9 |
| 15.20 | | 870-1520-15-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.0 | 2.3 | 142° | H9 |
| 15.20 | | 870-1520-15-MM | | | ★ | | | | | ☆ | | 7.0 | 2.3 | 142° | H9 |
| 15.20 | | 870-1520-15-KM | ☆ | | | | ★ | | | | | 6.5 | 2.8 | 142° | H9 |
| 15.20 | | 870-1520-15-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.2 | 1.6 | 152° | F9 |
| 15.30 | | 870-1530-15-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.0 | 2.3 | 142° | H9 |
| 15.30 | | 870-1530-15-MM | | | ★ | | | | | ☆ | | 7.0 | 2.3 | 142° | H9 |
| 15.30 | | 870-1530-15-KM | ☆ | | | | ★ | | | | | 6.5 | 2.8 | 142° | H9 |
| 15.30 | | 870-1530-15-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.2 | 1.6 | 152° | F9 |
| 15.40 | | 870-1540-15-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.0 | 2.4 | 142° | H9 |
| 15.40 | | 870-1540-15-MM | | | ★ | | | | | ☆ | | 7.0 | 2.4 | 142° | H9 |
| 15.40 | | 870-1540-15-KM | ☆ | | | | ★ | | | | | 6.5 | 2.9 | 142° | H9 |
| 15.40 | | 870-1540-15-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.2 | 1.6 | 152° | F9 |
| 15.50 | | 870-1550-15-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.9 | 2.4 | 142° | H9 |
| 15.50 | | 870-1550-15-MM | | | ★ | | | | | ☆ | | 6.9 | 2.4 | 142° | H9 |
| 15.50 | | 870-1550-15-KM | ☆ | | | | ★ | | | | | 6.4 | 2.9 | 142° | H9 |
| 15.50 | | 870-1550-15-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.2 | 1.7 | 152° | F9 |
| 15.60 | | 870-1560-15-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.9 | 2.4 | 142° | H9 |
| 15.60 | | 870-1560-15-MM | | | ★ | | | | | ☆ | | 6.9 | 2.4 | 142° | H9 |
| 15.60 | | 870-1560-15-KM | ☆ | | | | ★ | | | | | 6.4 | 2.9 | 142° | H9 |
| 15.60 | | 870-1560-15-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.1 | 1.7 | 152° | F9 |
| 15.70 | | 870-1570-15-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.9 | 2.4 | 142° | H9 |
| 15.70 | | 870-1570-15-MM | | | ★ | | | | | ☆ | | 6.9 | 2.4 | 142° | H9 |
| 15.70 | | 870-1570-15-KM | ☆ | | | | ★ | | | | | 6.4 | 2.9 | 142° | H9 |
| 15.70 | | 870-1570-15-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.1 | 1.7 | 152° | F9 |
| 15.80 | | 870-1580-15-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.9 | 2.4 | 142° | H9 |
| 15.80 | | 870-1580-15-MM | | | ★ | | | | | ☆ | | 6.9 | 2.4 | 142° | H9 |
| 15.80 | | 870-1580-15-KM | ☆ | | | | ★ | | | | | 6.4 | 2.9 | 142° | H9 |
| 15.80 | | 870-1580-15-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.1 | 1.7 | 152° | F9 |
| 15.88 | | 870-1588-15-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.9 | 2.4 | 142° | H9 |
| 15.88 | | 870-1588-15-PL | | ☆ | | ★ | | | | | | 6.0 | 3.3 | 142° | H9 |
| 15.88 | | 870-1588-15-MM | | | ★ | | | | | ☆ | | 6.9 | 2.4 | 142° | H9 |
| 15.88 | | 870-1588-15-KM | ☆ | | | | ★ | | | | | 6.4 | 2.9 | 142° | H9 |
| 15.88 | | 870-1588-15-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.1 | 1.7 | 152° | F9 |
| 15.90 | | 870-1590-15-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 6.9 | 2.4 | 142° | H9 |
| 15.90 | | 870-1590-15-MM | | | ★ | | | | | ☆ | | 6.9 | 2.4 | 142° | H9 |
| 15.90 | | 870-1590-15-KM | ☆ | | | | ★ | | | | | 6.4 | 2.9 | 142° | H9 |
| 15.90 | | 870-1590-15-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.1 | 1.7 | 152° | F9 |

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# Punta de broca CoroDrill® 870





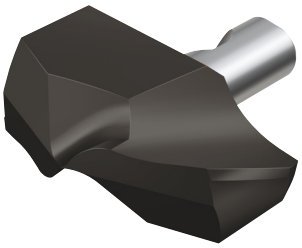

| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 16.00 | 16 | 870-1600-16-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.6 | 2.4 | 142° | H9 |
| 16.00 | | 870-1600-16-MM | | | ★ | | | | | ☆ | | 7.6 | 2.4 | 142° | H9 |
| 16.00 | | 870-1600-16-KM | ☆ | | | | ★ | | | | | 7.0 | 3.0 | 142° | H9 |
| 16.00 | | 870-1600-16-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.8 | 1.7 | 152° | F9 |
| 16.10 | | 870-1610-16-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.6 | 2.4 | 142° | H9 |
| 16.10 | | 870-1610-16-MM | | | ★ | | | | | ☆ | | 7.6 | 2.4 | 142° | H9 |
| 16.10 | | 870-1610-16-KM | ☆ | | | | ★ | | | | | 7.0 | 3.0 | 142° | H9 |
| 16.10 | | 870-1610-16-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.8 | 1.7 | 152° | F9 |
| 16.13 | | 870-1613-16-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.6 | 2.5 | 142° | H9 |
| 16.13 | | 870-1613-16-PL | | ☆ | | ★ | | | | | | 6.7 | 3.3 | 142° | H9 |
| 16.13 | | 870-1613-16-MM | | | ★ | | | | | ☆ | | 7.6 | 2.5 | 142° | H9 |
| 16.13 | | 870-1613-16-KM | ☆ | | | | ★ | | | | | 7.0 | 3.0 | 142° | H9 |
| 16.13 | | 870-1613-16-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.8 | 1.7 | 152° | F9 |
| 16.20 | | 870-1620-16-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.5 | 2.5 | 142° | H9 |
| 16.20 | | 870-1620-16-MM | | | ★ | | | | | ☆ | | 7.5 | 2.5 | 142° | H9 |
| 16.20 | | 870-1620-16-KM | ☆ | | | | ★ | | | | | 7.0 | 3.0 | 142° | H9 |
| 16.20 | | 870-1620-16-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.8 | 1.7 | 152° | F9 |
| 16.30 | | 870-1630-16-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.5 | 2.5 | 142° | H9 |
| 16.30 | | 870-1630-16-MM | | | ★ | | | | | ☆ | | 7.5 | 2.5 | 142° | H9 |
| 16.30 | | 870-1630-16-KM | ☆ | | | | ★ | | | | | 7.0 | 3.1 | 142° | H9 |
| 16.30 | | 870-1630-16-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.8 | 1.7 | 152° | F9 |
| 16.40 | | 870-1640-16-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.5 | 2.5 | 142° | H9 |
| 16.40 | | 870-1640-16-MM | | | ★ | | | | | ☆ | | 7.5 | 2.5 | 142° | H9 |
| 16.40 | | 870-1640-16-KM | ☆ | | | | ★ | | | | | 6.9 | 3.1 | 142° | H9 |
| 16.40 | | 870-1640-16-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.8 | 1.7 | 152° | F9 |
| 16.50 | | 870-1650-16-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.5 | 2.5 | 142° | H9 |
| 16.50 | | 870-1650-16-MM | | | ★ | | | | | ☆ | | 7.5 | 2.5 | 142° | H9 |
| 16.50 | | 870-1650-16-KM | ☆ | | | | ★ | | | | | 6.9 | 3.1 | 142° | H9 |
| 16.50 | | 870-1650-16-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.8 | 1.8 | 152° | F9 |
| 16.60 | | 870-1660-16-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.5 | 2.5 | 142° | H9 |
| 16.60 | | 870-1660-16-MM | | | ★ | | | | | ☆ | | 7.5 | 2.5 | 142° | H9 |
| 16.60 | | 870-1660-16-KM | ☆ | | | | ★ | | | | | 6.9 | 3.1 | 142° | H9 |
| 16.60 | | 870-1660-16-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.7 | 1.8 | 152° | F9 |
| 16.70 | | 870-1670-16-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.5 | 2.5 | 142° | H9 |
| 16.70 | | 870-1670-16-MM | | | ★ | | | | | ☆ | | 7.5 | 2.5 | 142° | H9 |
| 16.70 | | 870-1670-16-KM | ☆ | | | | ★ | | | | | 6.9 | 3.1 | 142° | H9 |
| 16.70 | | 870-1670-16-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.7 | 1.8 | 152° | F9 |
| 16.80 | | 870-1680-16-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.4 | 2.6 | 142° | H9 |
| 16.80 | | 870-1680-16-MM | | | ★ | | | | | ☆ | | 7.4 | 2.6 | 142° | H9 |
| 16.80 | | 870-1680-16-KM | ☆ | | | | ★ | | | | | 6.9 | 3.1 | 142° | H9 |
| 16.80 | | 870-1680-16-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.7 | 1.8 | 152° | F9 |
| 16.90 | | 870-1690-16-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.4 | 2.6 | 142° | H9 |
| 16.90 | | 870-1690-16-MM | | | ★ | | | | | ☆ | | 7.4 | 2.6 | 142° | H9 |
| 16.90 | | 870-1690-16-KM | ☆ | | | | ★ | | | | | 6.9 | 3.2 | 142° | H9 |
| 16.90 | | 870-1690-16-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 7.7 | 1.8 | 152° | F9 |

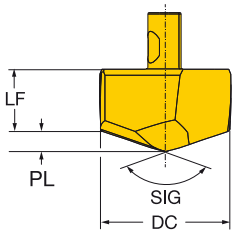
J6 J50 J5 N23 N6



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# Punta de broca CoroDrill® 870

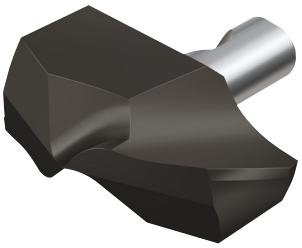


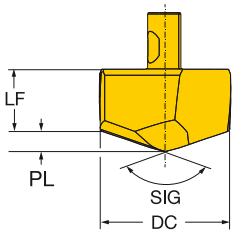



| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 17.00 | 17 | 870-1700-17-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.0 | 2.6 | 142° | H9 |
| 17.00 | | 870-1700-17-MM | | | ★ | | | | | ☆ | | 8.0 | 2.6 | 142° | H9 |
| 17.00 | | 870-1700-17-KM | ☆ | | | | ★ | | | | | 7.4 | 3.2 | 142° | H9 |
| 17.00 | | 870-1700-17-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.2 | 1.8 | 152° | F9 |
| 17.10 | | 870-1710-17-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.0 | 2.6 | 142° | H9 |
| 17.10 | | 870-1710-17-MM | | | ★ | | | | | ☆ | | 8.0 | 2.6 | 142° | H9 |
| 17.10 | | 870-1710-17-KM | ☆ | | | | ★ | | | | | 7.4 | 3.2 | 142° | H9 |
| 17.10 | | 870-1710-17-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.2 | 1.8 | 152° | F9 |
| 17.20 | | 870-1720-17-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.0 | 2.6 | 142° | H9 |
| 17.20 | | 870-1720-17-MM | | | ★ | | | | | ☆ | | 8.0 | 2.6 | 142° | H9 |
| 17.20 | | 870-1720-17-KM | ☆ | | | | ★ | | | | | 7.3 | 3.3 | 142° | H9 |
| 17.20 | | 870-1720-17-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.2 | 1.8 | 152° | F9 |
| 17.30 | | 870-1730-17-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.0 | 2.6 | 142° | H9 |
| 17.30 | | 870-1730-17-MM | | | ★ | | | | | ☆ | | 8.0 | 2.6 | 142° | H9 |
| 17.30 | | 870-1730-17-KM | ☆ | | | | ★ | | | | | 7.3 | 3.3 | 142° | H9 |
| 17.30 | | 870-1730-17-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.2 | 1.8 | 152° | F9 |
| 17.40 | | 870-1740-17-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.0 | 2.7 | 142° | H9 |
| 17.40 | | 870-1740-17-MM | | | ★ | | | | | ☆ | | 8.0 | 2.7 | 142° | H9 |
| 17.40 | | 870-1740-17-KM | ☆ | | | | ★ | | | | | 7.3 | 3.3 | 142° | H9 |
| 17.40 | | 870-1740-17-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.2 | 1.8 | 152° | F9 |
| 17.46 | | 870-1746-17-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.9 | 2.7 | 142° | H9 |
| 17.46 | | 870-1746-17-MM | | | ★ | | | | | ☆ | | 7.9 | 2.7 | 142° | H9 |
| 17.46 | | 870-1746-17-KM | ☆ | | | | ★ | | | | | 7.3 | 3.3 | 142° | H9 |
| 17.46 | | 870-1746-17-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.2 | 1.8 | 152° | F9 |
| 17.50 | | 870-1750-17-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.9 | 2.7 | 142° | H9 |
| 17.50 | | 870-1750-17-MM | | | ★ | | | | | ☆ | | 7.9 | 2.7 | 142° | H9 |
| 17.50 | | 870-1750-17-KM | ☆ | | | | ★ | | | | | 7.3 | 3.3 | 142° | H9 |
| 17.50 | | 870-1750-17-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.2 | 1.9 | 152° | F9 |
| 17.60 | | 870-1760-17-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.9 | 2.7 | 142° | H9 |
| 17.60 | | 870-1760-17-MM | | | ★ | | | | | ☆ | | 7.9 | 2.7 | 142° | H9 |
| 17.60 | | 870-1760-17-KM | ☆ | | | | ★ | | | | | 7.3 | 3.3 | 142° | H9 |
| 17.60 | | 870-1760-17-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.1 | 1.9 | 152° | F9 |
| 17.70 | | 870-1770-17-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.9 | 2.7 | 142° | H9 |
| 17.70 | | 870-1770-17-MM | | | ★ | | | | | ☆ | | 7.9 | 2.7 | 142° | H9 |
| 17.70 | | 870-1770-17-KM | ☆ | | | | ★ | | | | | 7.3 | 3.3 | 142° | H9 |
| 17.70 | | 870-1770-17-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.1 | 1.9 | 152° | F9 |
| 17.80 | | 870-1780-17-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.9 | 2.7 | 142° | H9 |
| 17.80 | | 870-1780-17-MM | | | ★ | | | | | ☆ | | 7.9 | 2.7 | 142° | H9 |
| 17.80 | | 870-1780-17-KM | ☆ | | | | ★ | | | | | 7.2 | 3.4 | 142° | H9 |
| 17.80 | | 870-1780-17-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.1 | 1.9 | 152° | F9 |
| 17.90 | | 870-1790-17-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 7.9 | 2.7 | 142° | H9 |
| 17.90 | | 870-1790-17-MM | | | ★ | | | | | ☆ | | 7.9 | 2.7 | 142° | H9 |
| 17.90 | | 870-1790-17-KM | ☆ | | | | ★ | | | | | 7.2 | 3.4 | 142° | H9 |
| 17.90 | | 870-1790-17-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.1 | 1.9 | 152° | F9 |

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# Punta de broca CoroDrill® 870






| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 18.00 | 18 | 870-1800-18-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.6 | 2.7 | 142° | H9 |
| 18.00 | | 870-1800-18-MM | | | ★ | | | | | ☆ | | 8.6 | 2.7 | 142° | H9 |
| 18.00 | | 870-1800-18-KM | ☆ | | | | ★ | | | | | 7.9 | 3.4 | 142° | H9 |
| 18.00 | | 870-1800-18-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.8 | 1.9 | 152° | F9 |
| 18.10 | | 870-1810-18-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.6 | 2.7 | 142° | H9 |
| 18.10 | | 870-1810-18-MM | | | ★ | | | | | ☆ | | 8.6 | 2.7 | 142° | H9 |
| 18.10 | | 870-1810-18-KM | ☆ | | | | ★ | | | | | 7.9 | 3.4 | 142° | H9 |
| 18.10 | | 870-1810-18-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.8 | 1.9 | 152° | F9 |
| 18.20 | | 870-1820-18-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.6 | 2.8 | 142° | H9 |
| 18.20 | | 870-1820-18-MM | | | ★ | | | | | ☆ | | 8.6 | 2.8 | 142° | H9 |
| 18.20 | | 870-1820-18-KM | ☆ | | | | ★ | | | | | 7.9 | 3.4 | 142° | H9 |
| 18.20 | | 870-1820-18-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.8 | 1.9 | 152° | F9 |
| 18.30 | | 870-1830-18-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.5 | 2.8 | 142° | H9 |
| 18.30 | | 870-1830-18-MM | | | ★ | | | | | ☆ | | 8.5 | 2.8 | 142° | H9 |
| 18.30 | | 870-1830-18-KM | ☆ | | | | ★ | | | | | 7.9 | 3.4 | 142° | H9 |
| 18.30 | | 870-1830-18-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.8 | 1.9 | 152° | F9 |
| 18.40 | | 870-1840-18-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.5 | 2.8 | 142° | H9 |
| 18.40 | | 870-1840-18-MM | | | ★ | | | | | ☆ | | 8.5 | 2.8 | 142° | H9 |
| 18.40 | | 870-1840-18-KM | ☆ | | | | ★ | | | | | 7.9 | 3.4 | 142° | H9 |
| 18.40 | | 870-1840-18-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.8 | 1.9 | 152° | F9 |
| 18.50 | | 870-1850-18-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.5 | 2.8 | 142° | H9 |
| 18.50 | | 870-1850-18-MM | | | ★ | | | | | ☆ | | 8.5 | 2.8 | 142° | H9 |
| 18.50 | | 870-1850-18-KM | ☆ | | | | ★ | | | | | 7.9 | 3.5 | 142° | H9 |
| 18.50 | | 870-1850-18-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.8 | 1.9 | 152° | F9 |
| 18.60 | | 870-1860-18-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.5 | 2.8 | 142° | H9 |
| 18.60 | | 870-1860-18-MM | | | ★ | | | | | ☆ | | 8.5 | 2.8 | 142° | H9 |
| 18.60 | | 870-1860-18-KM | ☆ | | | | ★ | | | | | 7.8 | 3.5 | 142° | H9 |
| 18.60 | | 870-1860-18-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.8 | 2.0 | 152° | F9 |
| 18.70 | | 870-1870-18-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.5 | 2.8 | 142° | H9 |
| 18.70 | | 870-1870-18-MM | | | ★ | | | | | ☆ | | 8.5 | 2.8 | 142° | H9 |
| 18.70 | | 870-1870-18-KM | ☆ | | | | ★ | | | | | 7.8 | 3.5 | 142° | H9 |
| 18.70 | | 870-1870-18-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.7 | 2.0 | 152° | F9 |
| 18.80 | | 870-1880-18-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.5 | 2.9 | 142° | H9 |
| 18.80 | | 870-1880-18-MM | | | ★ | | | | | ☆ | | 8.5 | 2.9 | 142° | H9 |
| 18.80 | | 870-1880-18-KM | ☆ | | | | ★ | | | | | 7.8 | 3.5 | 142° | H9 |
| 18.80 | | 870-1880-18-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.7 | 2.0 | 152° | F9 |
| 18.90 | | 870-1890-18-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.4 | 2.9 | 142° | H9 |
| 18.90 | | 870-1890-18-MM | | | ★ | | | | | ☆ | | 8.4 | 2.9 | 142° | H9 |
| 18.90 | | 870-1890-18-KM | ☆ | | | | ★ | | | | | 7.8 | 3.5 | 142° | H9 |
| 18.90 | | 870-1890-18-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 8.7 | 2.0 | 152° | F9 |

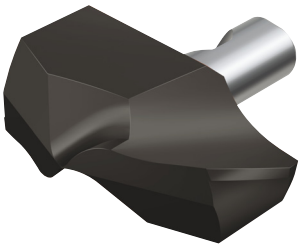
J6 J50 J5 N23 N6

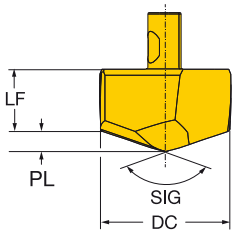


SANDVIK Coromant

SPA

# Punta de broca CoroDrill® 870

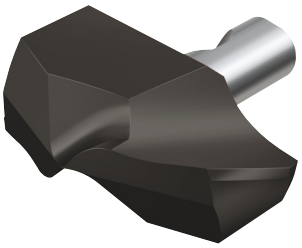


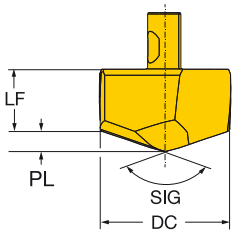



| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 19.00 | 19 | 870-1900-19-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.0 | 2.9 | 142° | H9 |
| 19.00 | | 870-1900-19-MM | | | ★ | | | | | ☆ | | 9.0 | 2.9 | 142° | H9 |
| 19.00 | | 870-1900-19-KM | ☆ | | | | ★ | | | | | 8.3 | 3.6 | 142° | H9 |
| 19.00 | | 870-1900-19-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.2 | 2.0 | 152° | F9 |
| 19.05 | | 870-1905-19-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.0 | 2.9 | 142° | H9 |
| 19.05 | | 870-1905-19-PL | | ☆ | | ★ | | | | | | 8.0 | 3.8 | 142° | H9 |
| 19.05 | | 870-1905-19-MM | | | ★ | | | | | ☆ | | 9.0 | 2.9 | 142° | H9 |
| 19.05 | | 870-1905-19-KM | ☆ | | | | ★ | | | | | 8.3 | 3.6 | 142° | H9 |
| 19.05 | | 870-1905-19-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.2 | 2.0 | 152° | F9 |
| 19.10 | | 870-1910-19-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.0 | 2.9 | 142° | H9 |
| 19.10 | | 870-1910-19-MM | | | ★ | | | | | ☆ | | 9.0 | 2.9 | 142° | H9 |
| 19.10 | | 870-1910-19-KM | ☆ | | | | ★ | | | | | 8.3 | 3.6 | 142° | H9 |
| 19.10 | | 870-1910-19-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.2 | 2.0 | 152° | F9 |
| 19.20 | | 870-1920-19-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.0 | 2.9 | 142° | H9 |
| 19.20 | | 870-1920-19-PL | | ☆ | | ★ | | | | | | 8.0 | 3.9 | 142° | H9 |
| 19.20 | | 870-1920-19-MM | | | ★ | | | | | ☆ | | 9.0 | 2.9 | 142° | H9 |
| 19.20 | | 870-1920-19-KM | ☆ | | | | ★ | | | | | 8.3 | 3.6 | 142° | H9 |
| 19.20 | | 870-1920-19-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.2 | 2.0 | 152° | F9 |
| 19.25 | | 870-1925-19-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.0 | 2.9 | 142° | H9 |
| 19.25 | | 870-1925-19-PL | | ☆ | | ★ | | | | | | 8.0 | 3.9 | 142° | H9 |
| 19.25 | | 870-1925-19-MM | | | ★ | | | | | ☆ | | 9.0 | 2.9 | 142° | H9 |
| 19.25 | | 870-1925-19-KM | ☆ | | | | ★ | | | | | 8.3 | 3.6 | 142° | H9 |
| 19.25 | | 870-1925-19-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.2 | 2.0 | 152° | F9 |
| 19.30 | | 870-1930-19-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.0 | 2.9 | 142° | H9 |
| 19.30 | | 870-1930-19-PL | | ☆ | | ★ | | | | | | 8.0 | 4.0 | 142° | H9 |
| 19.30 | | 870-1930-19-MM | | | ★ | | | | | ☆ | | 9.0 | 2.9 | 142° | H9 |
| 19.30 | | 870-1930-19-KM | ☆ | | | | ★ | | | | | 8.3 | 3.6 | 142° | H9 |
| 19.30 | | 870-1930-19-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.2 | 2.0 | 152° | F9 |
| 19.40 | | 870-1940-19-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.0 | 2.9 | 142° | H9 |
| 19.40 | | 870-1940-19-MM | | | ★ | | | | | ☆ | | 9.0 | 2.9 | 142° | H9 |
| 19.40 | | 870-1940-19-KM | ☆ | | | | ★ | | | | | 8.2 | 3.7 | 142° | H9 |
| 19.40 | | 870-1940-19-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.2 | 2.0 | 152° | F9 |
| 19.50 | | 870-1950-19-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.9 | 3.0 | 142° | H9 |
| 19.50 | | 870-1950-19-MM | | | ★ | | | | | ☆ | | 8.9 | 3.0 | 142° | H9 |
| 19.50 | | 870-1950-19-KM | ☆ | | | | ★ | | | | | 8.2 | 3.7 | 142° | H9 |
| 19.50 | | 870-1950-19-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.2 | 2.1 | 152° | F9 |
| 19.60 | | 870-1960-19-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.9 | 3.0 | 142° | H9 |
| 19.60 | | 870-1960-19-MM | | | ★ | | | | | ☆ | | 8.9 | 3.0 | 142° | H9 |
| 19.60 | | 870-1960-19-KM | ☆ | | | | ★ | | | | | 8.2 | 3.7 | 142° | H9 |
| 19.60 | | 870-1960-19-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.1 | 2.1 | 152° | F9 |
| 19.70 | | 870-1970-19-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.9 | 3.0 | 142° | H9 |
| 19.70 | | 870-1970-19-MM | | | ★ | | | | | ☆ | | 8.9 | 3.0 | 142° | H9 |
| 19.70 | | 870-1970-19-KM | ☆ | | | | ★ | | | | | 8.2 | 3.7 | 142° | H9 |
| 19.70 | | 870-1970-19-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.1 | 2.1 | 152° | F9 |
| 19.80 | | 870-1980-19-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.9 | 3.0 | 142° | H9 |
| 19.80 | | 870-1980-19-MM | | | ★ | | | | | ☆ | | 8.9 | 3.0 | 142° | H9 |
| 19.80 | | 870-1980-19-KM | ☆ | | | | ★ | | | | | 8.2 | 3.7 | 142° | H9 |
| 19.80 | | 870-1980-19-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.1 | 2.1 | 152° | F9 |
| 19.90 | | 870-1990-19-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 8.9 | 3.0 | 142° | H9 |
| 19.90 | | 870-1990-19-MM | | | ★ | | | | | ☆ | | 8.9 | 3.0 | 142° | H9 |
| 19.90 | | 870-1990-19-KM | ☆ | | | | ★ | | | | | 8.2 | 3.7 | 142° | H9 |
| 19.90 | | 870-1990-19-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.1 | 2.1 | 152° | F9 |

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# Punta de broca CoroDrill® 870






| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 20.00 | 20 | 870-2000-20-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.5 | 3.0 | 142° | H9 |
| 20.00 | | 870-2000-20-MM | | | ★ | | | | | ☆ | | 9.5 | 3.0 | 142° | H9 |
| 20.00 | | 870-2000-20-KM | ☆ | | | | ★ | | | | | 8.7 | 3.8 | 142° | H9 |
| 20.00 | | 870-2000-20-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.7 | 2.1 | 152° | F9 |
| 20.10 | | 870-2010-20-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.5 | 3.0 | 142° | H9 |
| 20.10 | | 870-2010-20-MM | | | ★ | | | | | ☆ | | 9.5 | 3.0 | 142° | H9 |
| 20.10 | | 870-2010-20-KM | ☆ | | | | ★ | | | | | 8.7 | 3.8 | 142° | H9 |
| 20.10 | | 870-2010-20-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.7 | 2.1 | 152° | F9 |
| 20.20 | | 870-2020-20-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.4 | 3.1 | 142° | H9 |
| 20.20 | | 870-2020-20-MM | | | ★ | | | | | ☆ | | 9.4 | 3.1 | 142° | H9 |
| 20.20 | | 870-2020-20-KM | ☆ | | | | ★ | | | | | 8.7 | 3.9 | 142° | H9 |
| 20.20 | | 870-2020-20-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.7 | 2.1 | 152° | F9 |
| 20.30 | | 870-2030-20-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.4 | 3.1 | 142° | H9 |
| 20.30 | | 870-2030-20-MM | | | ★ | | | | | ☆ | | 9.4 | 3.1 | 142° | H9 |
| 20.30 | | 870-2030-20-KM | ☆ | | | | ★ | | | | | 8.6 | 3.9 | 142° | H9 |
| 20.30 | | 870-2030-20-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.7 | 2.1 | 152° | F9 |
| 20.40 | | 870-2040-20-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.4 | 3.1 | 142° | H9 |
| 20.40 | | 870-2040-20-MM | | | ★ | | | | | ☆ | | 9.4 | 3.1 | 142° | H9 |
| 20.40 | | 870-2040-20-KM | ☆ | | | | ★ | | | | | 8.6 | 3.9 | 142° | H9 |
| 20.40 | | 870-2040-20-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.7 | 2.1 | 152° | F9 |
| 20.50 | | 870-2050-20-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.4 | 3.1 | 142° | H9 |
| 20.50 | | 870-2050-20-MM | | | ★ | | | | | ☆ | | 9.4 | 3.1 | 142° | H9 |
| 20.50 | | 870-2050-20-KM | ☆ | | | | ★ | | | | | 8.6 | 3.9 | 142° | H9 |
| 20.50 | | 870-2050-20-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.7 | 2.2 | 152° | F9 |
| 20.60 | | 870-2060-20-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.4 | 3.1 | 142° | H9 |
| 20.60 | | 870-2060-20-MM | | | ★ | | | | | ☆ | | 9.4 | 3.1 | 142° | H9 |
| 20.60 | | 870-2060-20-KM | ☆ | | | | ★ | | | | | 8.6 | 3.9 | 142° | H9 |
| 20.60 | | 870-2060-20-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.7 | 2.2 | 152° | F9 |
| 20.64 | | 870-2064-20-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.4 | 3.1 | 142° | H9 |
| 20.64 | | 870-2064-20-MM | | | ★ | | | | | ☆ | | 9.4 | 3.1 | 142° | H9 |
| 20.64 | | 870-2064-20-KM | ☆ | | | | ★ | | | | | 8.6 | 3.9 | 142° | H9 |
| 20.64 | | 870-2064-20-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.6 | 2.2 | 152° | F9 |
| 20.70 | | 870-2070-20-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.4 | 3.1 | 142° | H9 |
| 20.70 | | 870-2070-20-MM | | | ★ | | | | | ☆ | | 9.4 | 3.1 | 142° | H9 |
| 20.70 | | 870-2070-20-KM | ☆ | | | | ★ | | | | | 8.6 | 3.9 | 142° | H9 |
| 20.70 | | 870-2070-20-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.6 | 2.2 | 152° | F9 |
| 20.80 | | 870-2080-20-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.3 | 3.2 | 142° | H9 |
| 20.80 | | 870-2080-20-MM | | | ★ | | | | | ☆ | | 9.3 | 3.2 | 142° | H9 |
| 20.80 | | 870-2080-20-KM | ☆ | | | | ★ | | | | | 8.6 | 4.0 | 142° | H9 |
| 20.80 | | 870-2080-20-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.6 | 2.2 | 152° | F9 |
| 20.90 | | 870-2090-20-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.3 | 3.2 | 142° | H9 |
| 20.90 | | 870-2090-20-MM | | | ★ | | | | | ☆ | | 9.3 | 3.2 | 142° | H9 |
| 20.90 | | 870-2090-20-KM | ☆ | | | | ★ | | | | | 8.5 | 4.0 | 142° | H9 |
| 20.90 | | 870-2090-20-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 9.6 | 2.2 | 152° | F9 |

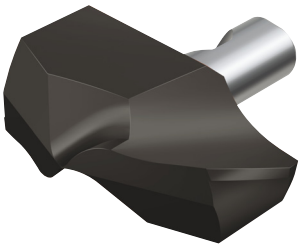
J6 J50 J5 N23 N6

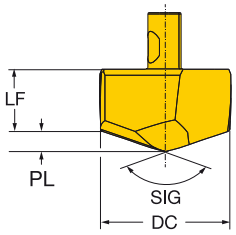


SANDVIK Coromant

SPA

# Punta de broca CoroDrill® 870

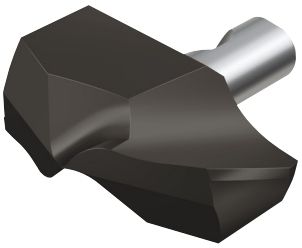


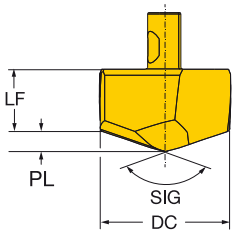



| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 21.00 | 21 | 870-2100-21-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.0 | 3.2 | 142° | H9 |
| 21.00 | | 870-2100-21-MM | | | ★ | | | | | ☆ | | 10.0 | 3.2 | 142° | H9 |
| 21.00 | | 870-2100-21-KM | ☆ | | | | ★ | | | | | 9.2 | 4.0 | 142° | H9 |
| 21.00 | | 870-2100-21-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.3 | 2.2 | 152° | F9 |
| 21.10 | | 870-2110-21-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.0 | 3.2 | 142° | H9 |
| 21.10 | | 870-2110-21-MM | | | ★ | | | | | ☆ | | 10.0 | 3.2 | 142° | H9 |
| 21.10 | | 870-2110-21-KM | ☆ | | | | ★ | | | | | 9.2 | 4.0 | 142° | H9 |
| 21.10 | | 870-2110-21-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.3 | 2.2 | 152° | F9 |
| 21.20 | | 870-2120-21-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.0 | 3.2 | 142° | H9 |
| 21.20 | | 870-2120-21-MM | | | ★ | | | | | ☆ | | 10.0 | 3.2 | 142° | H9 |
| 21.20 | | 870-2120-21-KM | ☆ | | | | ★ | | | | | 9.2 | 4.0 | 142° | H9 |
| 21.20 | | 870-2120-21-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.3 | 2.2 | 152° | F9 |
| 21.30 | | 870-2130-21-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.0 | 3.2 | 142° | H9 |
| 21.30 | | 870-2130-21-MM | | | ★ | | | | | ☆ | | 10.0 | 3.2 | 142° | H9 |
| 21.30 | | 870-2130-21-KM | ☆ | | | | ★ | | | | | 9.2 | 4.0 | 142° | H9 |
| 21.30 | | 870-2130-21-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.3 | 2.2 | 152° | F9 |
| 21.40 | | 870-2140-21-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.0 | 3.2 | 142° | H9 |
| 21.40 | | 870-2140-21-MM | | | ★ | | | | | ☆ | | 10.0 | 3.2 | 142° | H9 |
| 21.40 | | 870-2140-21-KM | ☆ | | | | ★ | | | | | 9.2 | 4.0 | 142° | H9 |
| 21.40 | | 870-2140-21-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.3 | 2.2 | 152° | F9 |
| 21.50 | | 870-2150-21-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.0 | 3.3 | 142° | H9 |
| 21.50 | | 870-2150-21-MM | | | ★ | | | | | ☆ | | 10.0 | 3.3 | 142° | H9 |
| 21.50 | | 870-2150-21-KM | ☆ | | | | ★ | | | | | 9.2 | 4.0 | 142° | H9 |
| 21.50 | | 870-2150-21-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.3 | 2.2 | 152° | F9 |
| 21.60 | | 870-2160-21-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.9 | 3.3 | 142° | H9 |
| 21.60 | | 870-2160-21-MM | | | ★ | | | | | ☆ | | 9.9 | 3.3 | 142° | H9 |
| 21.60 | | 870-2160-21-KM | ☆ | | | | ★ | | | | | 9.1 | 4.1 | 142° | H9 |
| 21.60 | | 870-2160-21-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.3 | 2.3 | 152° | F9 |
| 21.70 | | 870-2170-21-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.9 | 3.3 | 142° | H9 |
| 21.70 | | 870-2170-21-MM | | | ★ | | | | | ☆ | | 9.9 | 3.3 | 142° | H9 |
| 21.70 | | 870-2170-21-KM | ☆ | | | | ★ | | | | | 9.1 | 4.1 | 142° | H9 |
| 21.70 | | 870-2170-21-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.2 | 2.3 | 152° | F9 |
| 21.80 | | 870-2180-21-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.9 | 3.3 | 142° | H9 |
| 21.80 | | 870-2180-21-MM | | | ★ | | | | | ☆ | | 9.9 | 3.3 | 142° | H9 |
| 21.80 | | 870-2180-21-KM | ☆ | | | | ★ | | | | | 9.1 | 4.1 | 142° | H9 |
| 21.80 | | 870-2180-21-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.2 | 2.3 | 152° | F9 |
| 21.90 | | 870-2190-21-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 9.9 | 3.3 | 142° | H9 |
| 21.90 | | 870-2190-21-MM | | | ★ | | | | | ☆ | | 9.9 | 3.3 | 142° | H9 |
| 21.90 | | 870-2190-21-KM | ☆ | | | | ★ | | | | | 9.1 | 4.1 | 142° | H9 |
| 21.90 | | 870-2190-21-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.2 | 2.3 | 152° | F9 |

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# Punta de broca CoroDrill® 870






| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 22.00 | 22 | 870-2200-22-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.5 | 3.3 | 142° | H9 |
| 22.00 | | 870-2200-22-MM | | | ★ | | | | | ☆ | | 10.5 | 3.3 | 142° | H9 |
| 22.00 | | 870-2200-22-KM | ☆ | | | | ★ | | | | | 9.6 | 4.2 | 142° | H9 |
| 22.00 | | 870-2200-22-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.8 | 2.3 | 152° | F9 |
| 22.10 | | 870-2210-22-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.5 | 3.3 | 142° | H9 |
| 22.10 | | 870-2210-22-MM | | | ★ | | | | | ☆ | | 10.5 | 3.3 | 142° | H9 |
| 22.10 | | 870-2210-22-KM | ☆ | | | | ★ | | | | | 9.6 | 4.2 | 142° | H9 |
| 22.10 | | 870-2210-22-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.8 | 2.3 | 152° | F9 |
| 22.20 | | 870-2220-22-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.5 | 3.4 | 142° | H9 |
| 22.20 | | 870-2220-22-PL | | ☆ | | ★ | | | | | | 9.3 | 4.5 | 142° | H9 |
| 22.20 | | 870-2220-22-MM | | | ★ | | | | | ☆ | | 10.5 | 3.4 | 142° | H9 |
| 22.20 | | 870-2220-22-KM | ☆ | | | | ★ | | | | | 9.6 | 4.2 | 142° | H9 |
| 22.20 | | 870-2220-22-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.8 | 2.3 | 152° | F9 |
| 22.23 | | 870-2223-22-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.5 | 3.4 | 142° | H9 |
| 22.23 | | 870-2223-22-MM | | | ★ | | | | | ☆ | | 10.5 | 3.4 | 142° | H9 |
| 22.23 | | 870-2223-22-KM | ☆ | | | | ★ | | | | | 9.6 | 4.2 | 142° | H9 |
| 22.23 | | 870-2223-22-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.8 | 2.3 | 152° | F9 |
| 22.30 | | 870-2230-22-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.4 | 3.4 | 142° | H9 |
| 22.30 | | 870-2230-22-MM | | | ★ | | | | | ☆ | | 10.4 | 3.4 | 142° | H9 |
| 22.30 | | 870-2230-22-KM | ☆ | | | | ★ | | | | | 9.6 | 4.2 | 142° | H9 |
| 22.30 | | 870-2230-22-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.8 | 2.3 | 152° | F9 |
| 22.40 | | 870-2240-22-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.4 | 3.4 | 142° | H9 |
| 22.40 | | 870-2240-22-MM | | | ★ | | | | | ☆ | | 10.4 | 3.4 | 142° | H9 |
| 22.40 | | 870-2240-22-KM | ☆ | | | | ★ | | | | | 9.6 | 4.2 | 142° | H9 |
| 22.40 | | 870-2240-22-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.8 | 2.3 | 152° | F9 |
| 22.50 | | 870-2250-22-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.4 | 3.4 | 142° | H9 |
| 22.50 | | 870-2250-22-MM | | | ★ | | | | | ☆ | | 10.4 | 3.4 | 142° | H9 |
| 22.50 | | 870-2250-22-KM | ☆ | | | | ★ | | | | | 9.5 | 4.3 | 142° | H9 |
| 22.50 | | 870-2250-22-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.8 | 2.4 | 152° | F9 |
| 22.60 | | 870-2260-22-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.4 | 3.4 | 142° | H9 |
| 22.60 | | 870-2260-22-MM | | | ★ | | | | | ☆ | | 10.4 | 3.4 | 142° | H9 |
| 22.60 | | 870-2260-22-KM | ☆ | | | | ★ | | | | | 9.5 | 4.3 | 142° | H9 |
| 22.60 | | 870-2260-22-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.7 | 2.4 | 152° | F9 |
| 22.70 | | 870-2270-22-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.4 | 3.4 | 142° | H9 |
| 22.70 | | 870-2270-22-MM | | | ★ | | | | | ☆ | | 10.4 | 3.4 | 142° | H9 |
| 22.70 | | 870-2270-22-KM | ☆ | | | | ★ | | | | | 9.5 | 4.3 | 142° | H9 |
| 22.70 | | 870-2270-22-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.7 | 2.4 | 152° | F9 |
| 22.80 | | 870-2280-22-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.4 | 3.5 | 142° | H9 |
| 22.80 | | 870-2280-22-MM | | | ★ | | | | | ☆ | | 10.4 | 3.5 | 142° | H9 |
| 22.80 | | 870-2280-22-KM | ☆ | | | | ★ | | | | | 9.5 | 4.3 | 142° | H9 |
| 22.80 | | 870-2280-22-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.7 | 2.4 | 152° | F9 |
| 22.90 | | 870-2290-22-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.3 | 3.5 | 142° | H9 |
| 22.90 | | 870-2290-22-MM | | | ★ | | | | | ☆ | | 10.3 | 3.5 | 142° | H9 |
| 22.90 | | 870-2290-22-KM | ☆ | | | | ★ | | | | | 9.5 | 4.3 | 142° | H9 |
| 22.90 | | 870-2290-22-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 10.7 | 2.4 | 152° | F9 |

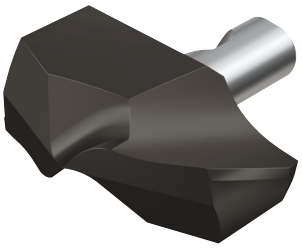
J6 J50 J5 N23 N6

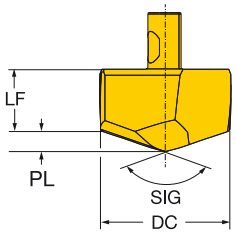


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# Punta de broca CoroDrill® 870

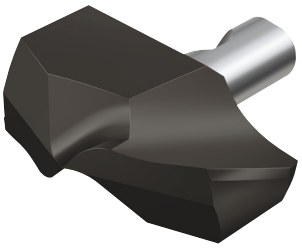


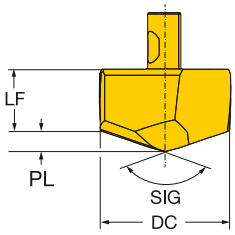



| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 23.00 | 23 | 870-2300-23-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.0 | 3.5 | 142° | H9 |
| 23.00 | | 870-2300-23-MM | | | ★ | | | | | ☆ | | 11.0 | 3.5 | 142° | H9 |
| 23.00 | | 870-2300-23-KM | ☆ | | | | ★ | | | | | 10.1 | 4.4 | 142° | H9 |
| 23.00 | | 870-2300-23-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.4 | 2.4 | 152° | F9 |
| 23.10 | | 870-2310-23-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.0 | 3.5 | 142° | H9 |
| 23.10 | | 870-2310-23-MM | | | ★ | | | | | ☆ | | 11.0 | 3.5 | 142° | H9 |
| 23.10 | | 870-2310-23-KM | ☆ | | | | ★ | | | | | 10.1 | 4.4 | 142° | H9 |
| 23.10 | | 870-2310-23-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.4 | 2.4 | 152° | F9 |
| 23.20 | | 870-2320-23-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.0 | 3.5 | 142° | H9 |
| 23.20 | | 870-2320-23-MM | | | ★ | | | | | ☆ | | 11.0 | 3.5 | 142° | H9 |
| 23.20 | | 870-2320-23-KM | ☆ | | | | ★ | | | | | 10.1 | 4.4 | 142° | H9 |
| 23.20 | | 870-2320-23-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.4 | 2.4 | 152° | F9 |
| 23.30 | | 870-2330-23-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.0 | 3.5 | 142° | H9 |
| 23.30 | | 870-2330-23-MM | | | ★ | | | | | ☆ | | 11.0 | 3.5 | 142° | H9 |
| 23.30 | | 870-2330-23-KM | ☆ | | | | ★ | | | | | 10.1 | 4.5 | 142° | H9 |
| 23.30 | | 870-2330-23-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.4 | 2.4 | 152° | F9 |
| 23.40 | | 870-2340-23-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.0 | 3.5 | 142° | H9 |
| 23.40 | | 870-2340-23-MM | | | ★ | | | | | ☆ | | 11.0 | 3.5 | 142° | H9 |
| 23.40 | | 870-2340-23-KM | ☆ | | | | ★ | | | | | 10.0 | 4.5 | 142° | H9 |
| 23.40 | | 870-2340-23-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.4 | 2.4 | 152° | F9 |
| 23.50 | | 870-2350-23-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.0 | 3.5 | 142° | H9 |
| 23.50 | | 870-2350-23-MM | | | ★ | | | | | ☆ | | 11.0 | 3.5 | 142° | H9 |
| 23.50 | | 870-2350-23-KM | ☆ | | | | ★ | | | | | 10.0 | 4.5 | 142° | H9 |
| 23.50 | | 870-2350-23-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.4 | 2.4 | 152° | F9 |
| 23.60 | | 870-2360-23-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.9 | 3.6 | 142° | H9 |
| 23.60 | | 870-2360-23-MM | | | ★ | | | | | ☆ | | 10.9 | 3.6 | 142° | H9 |
| 23.60 | | 870-2360-23-KM | ☆ | | | | ★ | | | | | 10.0 | 4.5 | 142° | H9 |
| 23.60 | | 870-2360-23-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.4 | 2.4 | 152° | F9 |
| 23.70 | | 870-2370-23-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.9 | 3.6 | 142° | H9 |
| 23.70 | | 870-2370-23-MM | | | ★ | | | | | ☆ | | 10.9 | 3.6 | 142° | H9 |
| 23.70 | | 870-2370-23-KM | ☆ | | | | ★ | | | | | 10.0 | 4.5 | 142° | H9 |
| 23.70 | | 870-2370-23-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.4 | 2.5 | 152° | F9 |
| 23.80 | | 870-2380-23-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.9 | 3.6 | 142° | H9 |
| 23.80 | | 870-2380-23-PL | | ☆ | | ★ | | | | | | 9.7 | 4.8 | 142° | H9 |
| 23.80 | | 870-2380-23-MM | | | ★ | | | | | ☆ | | 10.9 | 3.6 | 142° | H9 |
| 23.80 | | 870-2380-23-KM | ☆ | | | | ★ | | | | | 10.0 | 4.5 | 142° | H9 |
| 23.80 | | 870-2380-23-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.3 | 2.5 | 152° | F9 |
| 23.81 | | 870-2381-23-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.9 | 3.6 | 142° | H9 |
| 23.81 | | 870-2381-23-MM | | | ★ | | | | | ☆ | | 10.9 | 3.6 | 142° | H9 |
| 23.81 | | 870-2381-23-KM | ☆ | | | | ★ | | | | | 10.0 | 4.5 | 142° | H9 |
| 23.81 | | 870-2381-23-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.3 | 2.5 | 152° | F9 |
| 23.90 | | 870-2390-23-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 10.9 | 3.6 | 142° | H9 |
| 23.90 | | 870-2390-23-MM | | | ★ | | | | | ☆ | | 10.9 | 3.6 | 142° | H9 |
| 23.90 | | 870-2390-23-KM | ☆ | | | | ★ | | | | | 10.0 | 4.6 | 142° | H9 |
| 23.90 | | 870-2390-23-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.3 | 2.5 | 152° | F9 |

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# Punta de broca CoroDrill® 870






| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 24.00 | 24 | 870-2400-24-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.4 | 3.6 | 142° | H9 |
| 24.00 | | 870-2400-24-MM | | | ★ | | | | | ☆ | | 11.4 | 3.6 | 142° | H9 |
| 24.00 | | 870-2400-24-KM | ☆ | | | | ★ | | | | | 10.4 | 4.6 | 142° | H9 |
| 24.00 | | 870-2400-24-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.8 | 2.5 | 152° | F9 |
| 24.10 | | 870-2410-24-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.4 | 3.6 | 142° | H9 |
| 24.10 | | 870-2410-24-MM | | | ★ | | | | | ☆ | | 11.4 | 3.6 | 142° | H9 |
| 24.10 | | 870-2410-24-KM | ☆ | | | | ★ | | | | | 10.4 | 4.7 | 142° | H9 |
| 24.10 | | 870-2410-24-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.8 | 2.5 | 152° | F9 |
| 24.20 | | 870-2420-24-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.4 | 3.7 | 142° | H9 |
| 24.20 | | 870-2420-24-MM | | | ★ | | | | | ☆ | | 11.4 | 3.7 | 142° | H9 |
| 24.20 | | 870-2420-24-KM | ☆ | | | | ★ | | | | | 10.3 | 4.7 | 142° | H9 |
| 24.20 | | 870-2420-24-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.8 | 2.5 | 152° | F9 |
| 24.30 | | 870-2430-24-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.3 | 3.7 | 142° | H9 |
| 24.30 | | 870-2430-24-MM | | | ★ | | | | | ☆ | | 11.3 | 3.7 | 142° | H9 |
| 24.30 | | 870-2430-24-KM | ☆ | | | | ★ | | | | | 10.3 | 4.7 | 142° | H9 |
| 24.30 | | 870-2430-24-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.8 | 2.5 | 152° | F9 |
| 24.40 | | 870-2440-24-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.3 | 3.7 | 142° | H9 |
| 24.40 | | 870-2440-24-MM | | | ★ | | | | | ☆ | | 11.3 | 3.7 | 142° | H9 |
| 24.40 | | 870-2440-24-KM | ☆ | | | | ★ | | | | | 10.3 | 4.7 | 142° | H9 |
| 24.40 | | 870-2440-24-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.8 | 2.6 | 152° | F9 |
| 24.50 | | 870-2450-24-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.3 | 3.7 | 142° | H9 |
| 24.50 | | 870-2450-24-MM | | | ★ | | | | | ☆ | | 11.3 | 3.7 | 142° | H9 |
| 24.50 | | 870-2450-24-KM | ☆ | | | | ★ | | | | | 10.3 | 4.7 | 142° | H9 |
| 24.50 | | 870-2450-24-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.7 | 2.6 | 152° | F9 |
| 24.60 | | 870-2460-24-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.3 | 3.7 | 142° | H9 |
| 24.60 | | 870-2460-24-MM | | | ★ | | | | | ☆ | | 11.3 | 3.7 | 142° | H9 |
| 24.60 | | 870-2460-24-KM | ☆ | | | | ★ | | | | | 10.3 | 4.7 | 142° | H9 |
| 24.60 | | 870-2460-24-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.7 | 2.6 | 152° | F9 |
| 24.70 | | 870-2470-24-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.3 | 3.7 | 142° | H9 |
| 24.70 | | 870-2470-24-MM | | | ★ | | | | | ☆ | | 11.3 | 3.7 | 142° | H9 |
| 24.70 | | 870-2470-24-KM | ☆ | | | | ★ | | | | | 10.3 | 4.8 | 142° | H9 |
| 24.70 | | 870-2470-24-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.7 | 2.6 | 152° | F9 |
| 24.80 | | 870-2480-24-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.3 | 3.8 | 142° | H9 |
| 24.80 | | 870-2480-24-MM | | | ★ | | | | | ☆ | | 11.3 | 3.8 | 142° | H9 |
| 24.80 | | 870-2480-24-KM | ☆ | | | | ★ | | | | | 10.2 | 4.8 | 142° | H9 |
| 24.80 | | 870-2480-24-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.7 | 2.6 | 152° | F9 |
| 24.90 | | 870-2490-24-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.2 | 3.8 | 142° | H9 |
| 24.90 | | 870-2490-24-MM | | | ★ | | | | | ☆ | | 11.2 | 3.8 | 142° | H9 |
| 24.90 | | 870-2490-24-KM | ☆ | | | | ★ | | | | | 10.2 | 4.8 | 142° | H9 |
| 24.90 | | 870-2490-24-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 11.7 | 2.6 | 152° | F9 |

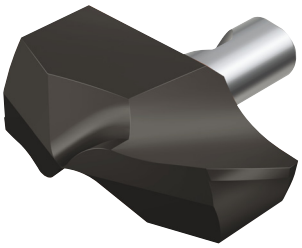
J6 J50 J5 N23 N6

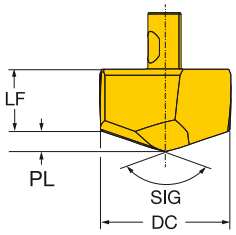


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# Punta de broca CoroDrill® 870



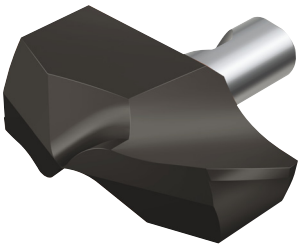


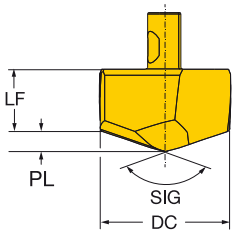

| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 25.00 | 25 | 870-2500-25-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.9 | 3.8 | 142° | H9 |
| 25.00 | | 870-2500-25-MM | | | ★ | | | | | ☆ | | 11.9 | 3.8 | 142° | H9 |
| 25.00 | | 870-2500-25-KM | ☆ | | | | ★ | | | | | 10.9 | 4.8 | 142° | H9 |
| 25.00 | | 870-2500-25-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 12.3 | 2.6 | 152° | F9 |
| 25.10 | | 870-2510-25-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.9 | 3.8 | 142° | H9 |
| 25.10 | | 870-2510-25-MM | | | ★ | | | | | ☆ | | 11.9 | 3.8 | 142° | H9 |
| 25.10 | | 870-2510-25-KM | ☆ | | | | ★ | | | | | 10.9 | 4.8 | 142° | H9 |
| 25.10 | | 870-2510-25-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 12.3 | 2.7 | 152° | F9 |
| 25.20 | | 870-2520-25-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.9 | 3.8 | 142° | H9 |
| 25.20 | | 870-2520-25-MM | | | ★ | | | | | ☆ | | 11.9 | 3.8 | 142° | H9 |
| 25.20 | | 870-2520-25-KM | ☆ | | | | ★ | | | | | 10.9 | 4.8 | 142° | H9 |
| 25.20 | | 870-2520-25-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 12.2 | 2.7 | 152° | F9 |
| 25.30 | | 870-2530-25-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.9 | 3.8 | 142° | H9 |
| 25.30 | | 870-2530-25-MM | | | ★ | | | | | ☆ | | 11.9 | 3.8 | 142° | H9 |
| 25.30 | | 870-2530-25-KM | ☆ | | | | ★ | | | | | 10.9 | 4.8 | 142° | H9 |
| 25.30 | | 870-2530-25-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 12.2 | 2.7 | 152° | F9 |
| 25.40 | | 870-2540-25-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.9 | 3.8 | 142° | H9 |
| 25.40 | | 870-2540-25-MM | | | ★ | | | | | ☆ | | 11.9 | 3.8 | 142° | H9 |
| 25.40 | | 870-2540-25-KM | ☆ | | | | ★ | | | | | 10.9 | 4.8 | 142° | H9 |
| 25.40 | | 870-2540-25-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 12.2 | 2.7 | 152° | F9 |
| 25.50 | | 870-2550-25-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.9 | 3.8 | 142° | H9 |
| 25.50 | | 870-2550-25-MM | | | ★ | | | | | ☆ | | 11.9 | 3.8 | 142° | H9 |
| 25.50 | | 870-2550-25-KM | ☆ | | | | ★ | | | | | 10.9 | 4.9 | 142° | H9 |
| 25.50 | | 870-2550-25-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 12.2 | 2.7 | 152° | F9 |
| 25.60 | | 870-2560-25-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.8 | 3.9 | 142° | H9 |
| 25.60 | | 870-2560-25-MM | | | ★ | | | | | ☆ | | 11.8 | 3.9 | 142° | H9 |
| 25.60 | | 870-2560-25-KM | ☆ | | | | ★ | | | | | 10.8 | 4.9 | 142° | H9 |
| 25.60 | | 870-2560-25-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 12.2 | 2.7 | 152° | F9 |
| 25.65 | | 870-2565-25-PL | | ☆ | | ★ | | | | | | 10.5 | 5.2 | 142° | H9 |
| 25.70 | | 870-2570-25-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.8 | 3.9 | 142° | H9 |
| 25.70 | | 870-2570-25-MM | | | ★ | | | | | ☆ | | 11.8 | 3.9 | 142° | H9 |
| 25.70 | | 870-2570-25-KM | ☆ | | | | ★ | | | | | 10.8 | 4.9 | 142° | H9 |
| 25.70 | | 870-2570-25-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 12.2 | 2.7 | 152° | F9 |
| 25.80 | | 870-2580-25-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.8 | 3.9 | 142° | H9 |
| 25.80 | | 870-2580-25-MM | | | ★ | | | | | ☆ | | 11.8 | 3.9 | 142° | H9 |
| 25.80 | | 870-2580-25-KM | ☆ | | | | ★ | | | | | 10.8 | 4.9 | 142° | H9 |
| 25.80 | | 870-2580-25-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 12.1 | 2.8 | 152° | F9 |
| 25.90 | | 870-2590-25-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 11.8 | 3.9 | 142° | H9 |
| 25.90 | | 870-2590-25-MM | | | ★ | | | | | ☆ | | 11.8 | 3.9 | 142° | H9 |
| 25.90 | | 870-2590-25-KM | ☆ | | | | ★ | | | | | 10.8 | 4.9 | 142° | H9 |
| 25.90 | | 870-2590-25-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 12.1 | 2.8 | 152° | F9 |
| 26.00 | 26 | 870-2600-26-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 12.5 | 3.9 | 142° | H9 |
| 26.00 | | 870-2600-26-MM | | | ★ | | | | | ☆ | | 12.5 | 3.9 | 142° | H9 |
| 26.00 | | 870-2600-26-KM | ☆ | | | | ★ | | | | | 11.4 | 5.0 | 142° | H9 |
| 26.00 | | 870-2600-26-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 12.9 | 2.7 | 152° | F9 |
| 26.50 | | 870-2650-26-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 12.4 | 4.0 | 142° | H9 |
| 26.50 | | 870-2650-26-MM | | | ★ | | | | | ☆ | | 12.4 | 4.0 | 142° | H9 |
| 26.50 | | 870-2650-26-KM | ☆ | | | | ★ | | | | | 11.3 | 5.1 | 142° | H9 |
| 26.50 | | 870-2650-26-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 12.8 | 2.8 | 152° | F9 |
| 26.65 | | 870-2665-26-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 12.4 | 4.0 | 142° | H9 |
| 26.65 | | 870-2665-26-MM | | | ★ | | | | | ☆ | | 12.4 | 4.0 | 142° | H9 |
| 26.65 | | 870-2665-26-KM | ☆ | | | | ★ | | | | | 11.3 | 5.1 | 142° | H9 |
| 26.65 | | 870-2665-26-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 12.8 | 2.8 | 152° | F9 |

J6 J50 J5 N23 N6

SANDVIK Coromant

# Punta de broca CoroDrill® 870






| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 27.00 | 27 | 870-2700-27-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 13.0 | 4.1 | 142° | H9 |
| 27.00 | | 870-2700-27-MM | | | ★ | | | | | ☆ | | 13.0 | 4.1 | 142° | H9 |
| 27.00 | | 870-2700-27-KM | ☆ | | | | ★ | | | | | 11.8 | 5.2 | 142° | H9 |
| 27.00 | | 870-2700-27-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 13.3 | 2.8 | 152° | F9 |
| 27.50 | | 870-2750-27-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 12.9 | 4.1 | 142° | H9 |
| 27.50 | | 870-2750-27-MM | | | ★ | | | | | ☆ | | 12.9 | 4.1 | 142° | H9 |
| 27.50 | | 870-2750-27-KM | ☆ | | | | ★ | | | | | 11.7 | 5.3 | 142° | H9 |
| 27.50 | | 870-2750-27-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 13.2 | 2.9 | 152° | F9 |
| 28.00 | 28 | 870-2800-28-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 13.4 | 4.2 | 142° | H9 |
| 28.00 | | 870-2800-28-MM | | | ★ | | | | | ☆ | | 13.4 | 4.2 | 142° | H9 |
| 28.00 | | 870-2800-28-KM | ☆ | | | | ★ | | | | | 12.2 | 5.4 | 142° | H9 |
| 28.00 | | 870-2800-28-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 13.8 | 2.9 | 152° | F9 |
| 28.50 | | 870-2850-28-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 13.3 | 4.3 | 142° | H9 |
| 28.50 | | 870-2850-28-MM | | | ★ | | | | | ☆ | | 13.3 | 4.3 | 142° | H9 |
| 28.50 | | 870-2850-28-KM | ☆ | | | | ★ | | | | | 12.1 | 5.5 | 142° | H9 |
| 28.50 | | 870-2850-28-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 13.7 | 3.0 | 152° | F9 |
| 28.58 | | 870-2858-28-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 13.3 | 4.3 | 142° | H9 |
| 28.58 | | 870-2858-28-MM | | | ★ | | | | | ☆ | | 13.3 | 4.3 | 142° | H9 |
| 28.58 | | 870-2858-28-KM | ☆ | | | | ★ | | | | | 12.1 | 5.5 | 142° | H9 |
| 28.58 | | 870-2858-28-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 13.7 | 3.0 | 152° | F9 |
| 29.00 | 29 | 870-2900-29-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 13.9 | 4.4 | 142° | H9 |
| 29.00 | | 870-2900-29-MM | | | ★ | | | | | ☆ | | 13.9 | 4.4 | 142° | H9 |
| 29.00 | | 870-2900-29-KM | ☆ | | | | ★ | | | | | 12.7 | 5.6 | 142° | H9 |
| 29.00 | | 870-2900-29-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 14.3 | 3.0 | 152° | F9 |
| 29.50 | | 870-2950-29-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 13.9 | 4.5 | 142° | H9 |
| 29.50 | | 870-2950-29-MM | | | ★ | | | | | ☆ | | 13.9 | 4.5 | 142° | H9 |
| 29.50 | | 870-2950-29-KM | ☆ | | | | ★ | | | | | 12.6 | 5.7 | 142° | H9 |
| 29.50 | | 870-2950-29-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 14.2 | 3.1 | 152° | F9 |
| 29.65 | | 870-2965-29-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 13.8 | 4.5 | 142° | H9 |
| 29.65 | | 870-2965-29-MM | | | ★ | | | | | ☆ | | 13.8 | 4.5 | 142° | H9 |
| 29.65 | | 870-2965-29-KM | ☆ | | | | ★ | | | | | 12.6 | 5.7 | 142° | H9 |
| 29.65 | | 870-2965-29-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 14.2 | 3.1 | 152° | F9 |
| 30.00 | 30 | 870-3000-30-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 14.4 | 4.5 | 142° | H9 |
| 30.00 | | 870-3000-30-MM | | | ★ | | | | | ☆ | | 14.4 | 4.5 | 142° | H9 |
| 30.00 | | 870-3000-30-KM | ☆ | | | | ★ | | | | | 13.1 | 5.8 | 142° | H9 |
| 30.00 | | 870-3000-30-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 14.7 | 3.2 | 152° | F9 |
| 30.50 | | 870-3050-30-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 14.3 | 4.6 | 142° | H9 |
| 30.50 | | 870-3050-30-MM | | | ★ | | | | | ☆ | | 14.3 | 4.6 | 142° | H9 |
| 30.50 | | 870-3050-30-KM | ☆ | | | | ★ | | | | | 13.0 | 5.9 | 142° | H9 |
| 30.50 | | 870-3050-30-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 14.6 | 3.2 | 152° | F9 |


J6


J50



J5



N23

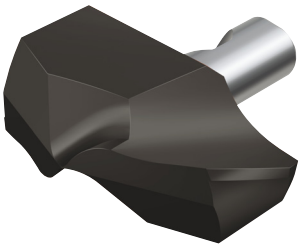


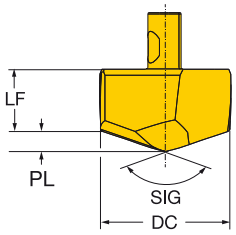
N6



SANDVIK Coromant

# Punta de broca CoroDrill® 870






| DC | | Código de pedido | P | | M | | K | | N | S | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 3334 | 4334 | 2334 | 4334 | 3334 | 4334 | 4334 | 2334 | 4334 | LF | PL | SIG | TCHA |
| 31.00 | 31 | 870-3100-31-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 14.8 | 4.8 | 142° | H9 |
| 31.00 | | 870-3100-31-MM | | | ★ | | | | | ☆ | | 14.8 | 4.8 | 142° | H9 |
| 31.00 | | 870-3100-31-KM | ☆ | | | | ★ | | | | | 13.4 | 6.1 | 142° | H9 |
| 31.00 | | 870-3100-31-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 15.1 | 3.3 | 152° | F9 |
| 31.50 | | 870-3150-31-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 14.7 | 4.8 | 142° | H9 |
| 31.50 | | 870-3150-31-MM | | | ★ | | | | | ☆ | | 14.7 | 4.8 | 142° | H9 |
| 31.50 | | 870-3150-31-KM | ☆ | | | | ★ | | | | | 13.3 | 6.2 | 142° | H9 |
| 31.50 | | 870-3150-31-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 15.0 | 3.4 | 152° | F9 |
| 31.75 | | 870-3175-31-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 14.6 | 4.9 | 142° | H9 |
| 31.75 | | 870-3175-31-MM | | | ★ | | | | | ☆ | | 14.6 | 4.9 | 142° | H9 |
| 31.75 | | 870-3175-31-KM | ☆ | | | | ★ | | | | | 13.3 | 6.2 | 142° | H9 |
| 31.75 | | 870-3175-31-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 15.0 | 3.4 | 152° | F9 |
| 32.00 | | 870-3200-31-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 14.6 | 4.9 | 142° | H9 |
| 32.00 | | 870-3200-31-MM | | | ★ | | | | | ☆ | | 14.6 | 4.9 | 142° | H9 |
| 32.00 | | 870-3200-31-KM | ☆ | | | | ★ | | | | | 13.2 | 6.3 | 142° | H9 |
| 32.00 | | 870-3200-31-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 15.0 | 3.4 | 152° | F9 |
| 32.15 | | 870-3215-31-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 14.6 | 5.0 | 142° | H9 |
| 32.15 | | 870-3215-31-MM | | | ★ | | | | | ☆ | | 14.6 | 5.0 | 142° | H9 |
| 32.15 | | 870-3215-31-KM | ☆ | | | | ★ | | | | | 13.2 | 6.3 | 142° | H9 |
| 32.15 | | 870-3215-31-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 14.9 | 3.5 | 152° | F9 |
| 32.50 | | 870-3250-31-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 14.5 | 5.0 | 142° | H9 |
| 32.50 | | 870-3250-31-MM | | | ★ | | | | | ☆ | | 14.5 | 5.0 | 142° | H9 |
| 32.50 | | 870-3250-31-KM | ☆ | | | | ★ | | | | | 13.1 | 6.4 | 142° | H9 |
| 32.50 | | 870-3250-31-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 14.9 | 3.5 | 152° | F9 |
| 33.00 | | 870-3300-31-PM | | ★ | | ☆ | | ☆ | ☆ | | ☆ | 14.4 | 5.1 | 142° | H9 |
| 33.00 | | 870-3300-31-MM | | | ★ | | | | | ☆ | | 14.4 | 5.1 | 142° | H9 |
| 33.00 | | 870-3300-31-KM | ☆ | | | | ★ | | | | | 13.0 | 6.5 | 142° | H9 |
| 33.00 | | 870-3300-31-GP | | ★ | | ★ | | ★ | ☆ | | ☆ | 14.8 | 3.6 | 152° | F9 |

J6 J50 J5 N23 N6

# CoroDrill® DS20

## Brocas de plaquita intercambiable

J

### Área de aplicación ISO

P M K N S H

### Ventajas y características

- Proceso de corte seguro y fiable de gran productividad
- Broca versátil con buena formación de la viruta en una amplia gama de datos de corte
- Control y evacuación de la viruta optimizados
- Corte ligero y fuerzas extremadamente bajas
- Solo brocas de plaquita intercambiable capaces de taladrar agujeros de hasta 7 x DC



### Adaptador de taladrado modular

Los adaptadores MDI están disponibles en Coromant Capto® y HSK y proporcionan una gran precisión, excelentes capacidades de centrado y pueden reducir el inventario de herramientas. Consulte la página L2.

www.sandvik.coromant.com/corodrillds20

### Cuerpos de broca

- Mango cilíndrico con plano de apriete conforme a la norma ISO 9766
- Adaptador de taladrado modular (MDI)

### Plaquitas

- Plaquitas con geometrías optimizadas para todo tipo de materiales

| | | Menor tolerancia posible (TCHAL) | | | | Mayor tolerancia posible (TCHAU) | | | |
|---|---|---|---|---|---|---|---|---|---|
| $D_c$ min mm | $D_c$ max mm | 4xD | 5xD | 6xD | 7xD | 4xD | 5xD | 6xD | 7xD |
| 15.00 | 18.00 | 0 | 0 | -0.1 | -0.1 | 0.27 | 0.27 | 0.4 | 0.4 |
| 18.01 | 30.00 | 0 | 0 | -0.1 | -0.1 | 0.33 | 0.33 | 0.4 | 0.4 |
| 30.01 | 40.00 | 0 | 0 | -0.1 | -0.1 | 0.39 | 0.39 | 0.4 | 0.4 |

 J28

 J33



N6



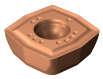
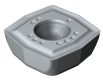
SANDVIK Coromant

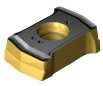
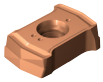
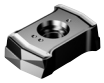
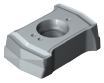
SPA

# Información general sobre plaquitas

| Plaquita central | | | Información sobre geometrías |
|---|---|---|---|
| **L5** |  | P M N S H | - Materiales de viruta larga.<br>- Acero templado.<br>- Avance de pequeño a medio.<br>- Corte ligero. |
| **M7** |  | P K | - Material de viruta corta.<br>- Avance de pequeño a grande.<br>- Filo reforzado resistente. |

| Plaquita periférica | | | Información sobre geometrías |
|---|---|---|---|
| **M7W** |  | P K H | - Primera elección en materiales de viruta corta.<br>- Avance de pequeño a grande.<br>- Filo reforzado resistente. |
| **L5W** |  | P M N S | - Materiales de viruta larga.<br>- Avance de pequeño a medio.<br>- Corte ligero. |
| **H5W** |  | P M | - Complementaria para materiales de viruta larga.<br>- Avance de pequeño a medio.<br>- Faceta en T negativa.<br>- Fuerzas de corte grandes. |
| **S5W** |  | M N S | - Filo agudo y corte extremadamente ligero.<br>- Avance pequeño. |
| **L6W** |  | P M K N S H | - Geometría universal para producciones mixtas.<br>- Primera elección en Inconel y acero templado.<br>- Avance de pequeño a medio.<br>- Corte ligero. |

| Plaquita central | | Información sobre calidades |
|---|---|---|
|  | P K S H | **GC1344**<br>- Recubrimiento de PVD con tecnología Zertivo® .<br>- Excelente resistencia al desgaste y tenacidad. |
|  | M S | **GC1144**<br>- Calidad con recubrimiento de PVD para todo tipo de materiales ISO M y titanio. |
|  | N S | **H13A**<br>- Calidad universal, tenaz y sin recubrimiento para velocidades de corte de pequeñas a moderadas.<br>- Calidad complementaria para ISO S. |

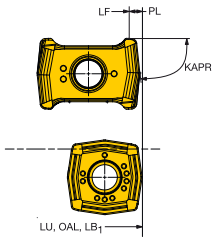
| Plaquita periférica | | Información sobre calidades |
|---|---|---|
|  | P M K H | **GC4334**<br>- Condiciones buenas y estables.<br>- El recubrimiento de CVD con tecnología Inveio® proporciona un alto grado de resistencia al desgaste. |
|  | M S | **GC2044**<br>- Recubrimiento de óxido de PVD para una excelente resistencia al desgaste. |
|  | P M K N S H | **GC4344**<br>- Recubrimiento de PVD con tecnología Zertivo®<br>- Operaciones tenaces y exigentes.<br>- Proporciona un filo de buenas propiedades y una vida útil fiable. |
|  | P K | **GC4324**<br>- Recubrimiento de MT-CVD con tecnología Inveio® .<br>- Elección productiva en condiciones estables. |
|  | N S | **H13A**<br>- Calidad universal, tenaz y sin recubrimiento para velocidades de corte de pequeñas a moderadas.<br>- Calidad complementaria para ISO S. |

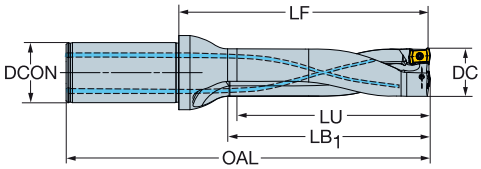
# Broca de plaquita intercambiable CoroDrill® DS20

**Mango cilíndrico con plano de apriete, según ISO 9766**

**Suministro de refrigerante interior**






| DC | | | LU | CZC$_{MS}$ | ADJLX | TCHAL | TCHAU | Código de pedido | Dimensiones, mm DCON$_{MS}$ | LF | OAL | LB$_1$ | PL | KAPR | BAR | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15.00 | 01C | 01P | 60.00 | 20 | 1.00 | 0.00 | 0.27 | DS20-D1500L20-04 | 20.00 | 80.69 | 131.00 | 63.00 | 0.46 | 81° | 10 | 0.190 | 24000 |
| | | | 75.00 | 20 | 1.00 | 0.00 | 0.27 | DS20-D1500L20-05 | 20.00 | 95.69 | 146.00 | 78.00 | 0.46 | 81° | 10 | 0.200 | 15000 |
| | | | 90.00 | 20 | 1.00 | -0.10 | 0.40 | DS20-D1500L20-06 | 20.00 | 110.69 | 161.00 | 93.00 | 0.46 | 81° | 10 | 0.210 | 11000 |
| | | | 105.00 | 20 | 1.00 | -0.10 | 0.40 | DS20-D1500L20-07 | 20.00 | 125.69 | 176.00 | 108.00 | 0.46 | 81° | 10 | 0.219 | 8000 |
| 16.00 | 01C | 01P | 64.00 | 20 | 0.75 | 0.00 | 0.27 | DS20-D1600L20-04 | 20.00 | 84.69 | 135.00 | 67.00 | 0.46 | 81° | 10 | 0.220 | 22000 |
| | | | 80.00 | 20 | 0.75 | 0.00 | 0.27 | DS20-D1600L20-05 | 20.00 | 100.69 | 151.00 | 83.00 | 0.46 | 81° | 10 | 0.212 | 14000 |
| | | | 96.00 | 20 | 0.75 | -0.10 | 0.40 | DS20-D1600L20-06 | 20.00 | 116.69 | 167.00 | 99.00 | 0.46 | 81° | 10 | 0.224 | 10000 |
| | | | 112.00 | 20 | 0.75 | -0.10 | 0.40 | DS20-D1600L20-07 | 20.00 | 132.69 | 183.00 | 115.00 | 0.46 | 81° | 10 | 0.236 | 7000 |
| 17.00 | 01C | 01P | 68.00 | 20 | 0.50 | 0.00 | 0.27 | DS20-D1700L20-04 | 20.00 | 88.69 | 139.00 | 71.00 | 0.46 | 81° | 10 | 0.211 | 21000 |
| | | | 85.00 | 20 | 0.50 | 0.00 | 0.27 | DS20-D1700L20-05 | 20.00 | 105.69 | 156.00 | 88.00 | 0.46 | 81° | 10 | 0.226 | 13000 |
| | | | 102.00 | 20 | 0.50 | -0.10 | 0.40 | DS20-D1700L20-06 | 20.00 | 122.69 | 173.00 | 105.00 | 0.46 | 81° | 10 | 0.240 | 9000 |
| | | | 119.00 | 20 | 0.50 | -0.10 | 0.40 | DS20-D1700L20-07 | 20.00 | 139.69 | 190.00 | 122.00 | 0.46 | 81° | 10 | 0.255 | 7000 |
| 18.00 | 01C | 01P | 72.00 | 25 | 0.25 | 0.00 | 0.27 | DS20-D1800L25-04 | 25.00 | 96.69 | 153.00 | 75.00 | 0.46 | 81° | 10 | 0.348 | 20000 |
| | | | 90.00 | 25 | 0.25 | 0.00 | 0.27 | DS20-D1800L25-05 | 25.00 | 114.69 | 171.00 | 93.00 | 0.46 | 81° | 10 | 0.366 | 13000 |
| | | | 108.00 | 25 | 0.25 | -0.10 | 0.40 | DS20-D1800L25-06 | 25.00 | 132.69 | 189.00 | 111.00 | 0.46 | 81° | 10 | 0.383 | 9000 |
| | | | 126.00 | 25 | 0.25 | -0.10 | 0.40 | DS20-D1800L25-07 | 25.00 | 150.69 | 207.00 | 129.00 | 0.46 | 81° | 10 | 0.400 | 6000 |
| 19.00 | 02C | 02P | 76.00 | 25 | 1.06 | 0.00 | 0.33 | DS20-D1900L25-04 | 25.00 | 100.62 | 157.00 | 79.00 | 0.55 | 81° | 10 | 0.348 | 19000 |
| | | | 95.00 | 25 | 1.06 | 0.00 | 0.33 | DS20-D1900L25-05 | 25.00 | 119.62 | 176.00 | 98.00 | 0.55 | 81° | 10 | 0.367 | 12000 |
| | | | 114.00 | 25 | 1.06 | -0.10 | 0.40 | DS20-D1900L25-06 | 25.00 | 138.62 | 195.00 | 117.00 | 0.55 | 81° | 10 | 0.387 | 8000 |
| | | | 133.00 | 25 | 1.06 | -0.10 | 0.40 | DS20-D1900L25-07 | 25.00 | 157.62 | 214.00 | 136.00 | 0.55 | 81° | 10 | 0.405 | 6000 |
| 20.00 | 02C | 02P | 80.00 | 25 | 0.82 | 0.00 | 0.33 | DS20-D2000L25-04 | 25.00 | 104.62 | 161.00 | 83.00 | 0.55 | 81° | 10 | 0.364 | 18000 |
| | | | 100.00 | 25 | 0.82 | 0.00 | 0.33 | DS20-D2000L25-05 | 25.00 | 124.62 | 181.00 | 103.00 | 0.55 | 81° | 10 | 0.386 | 11000 |
| | | | 120.00 | 25 | 0.82 | -0.10 | 0.40 | DS20-D2000L25-06 | 25.00 | 144.62 | 201.00 | 123.00 | 0.55 | 81° | 10 | 0.409 | 8000 |
| | | | 140.00 | 25 | 0.82 | -0.10 | 0.40 | DS20-D2000L25-07 | 25.00 | 164.62 | 221.00 | 143.00 | 0.55 | 81° | 10 | 0.431 | 6000 |
| 21.00 | 02C | 02P | 84.00 | 25 | 0.58 | 0.00 | 0.33 | DS20-D2100L25-04 | 25.00 | 108.62 | 165.00 | 87.00 | 0.55 | 81° | 10 | 0.381 | 17000 |
| | | | 105.00 | 25 | 0.58 | 0.00 | 0.33 | DS20-D2100L25-05 | 25.00 | 129.62 | 186.00 | 108.00 | 0.55 | 81° | 10 | 0.407 | 11000 |
| | | | 126.00 | 25 | 0.58 | -0.10 | 0.40 | DS20-D2100L25-06 | 25.00 | 150.62 | 207.00 | 129.00 | 0.55 | 81° | 10 | 0.434 | 8000 |
| | | | 147.00 | 25 | 0.58 | -0.10 | 0.40 | DS20-D2100L25-07 | 25.00 | 171.62 | 228.00 | 150.00 | 0.55 | 81° | 10 | 0.460 | 5000 |
| 22.00 | 02C | 02P | 88.00 | 25 | 0.34 | 0.00 | 0.33 | DS20-D2200L25-04 | 25.00 | 112.62 | 169.00 | 91.00 | 0.55 | 81° | 10 | 0.401 | 16000 |
| | | | 110.00 | 25 | 0.34 | 0.00 | 0.33 | DS20-D2200L25-05 | 25.00 | 134.62 | 191.00 | 113.00 | 0.55 | 81° | 10 | 0.431 | 10000 |
| | | | 132.00 | 25 | 0.34 | -0.10 | 0.40 | DS20-D2200L25-06 | 25.00 | 156.62 | 213.00 | 135.00 | 0.55 | 81° | 10 | 0.463 | 7000 |
| | | | 154.00 | 25 | 0.34 | -0.10 | 0.40 | DS20-D2200L25-07 | 25.00 | 178.62 | 235.00 | 157.00 | 0.55 | 81° | 10 | 0.494 | 5000 |
| 23.00 | 03C | 03P | 92.00 | 25 | 1.30 | 0.00 | 0.33 | DS20-D2300L25-04 | 25.00 | 117.53 | 174.00 | 96.00 | 0.66 | 81° | 10 | 0.420 | 15000 |
| | | | 115.00 | 25 | 1.30 | 0.00 | 0.33 | DS20-D2300L25-05 | 25.00 | 140.53 | 197.00 | 119.00 | 0.66 | 81° | 10 | 0.452 | 10000 |
| | | | 138.00 | 25 | 1.30 | -0.10 | 0.40 | DS20-D2300L25-06 | 25.00 | 163.53 | 220.00 | 142.00 | 0.66 | 81° | 10 | 0.488 | 7000 |
| | | | 161.00 | 25 | 1.30 | -0.10 | 0.40 | DS20-D2300L25-07 | 25.00 | 186.53 | 243.00 | 165.00 | 0.66 | 81° | 10 | 0.524 | 5000 |
| 24.00 | 03C | 03P | 96.00 | 25 | 1.10 | 0.00 | 0.33 | DS20-D2400L25-04 | 25.00 | 121.53 | 178.00 | 100.00 | 0.66 | 81° | 10 | 0.439 | 15000 |
| | | | 120.00 | 25 | 1.10 | 0.00 | 0.33 | DS20-D2400L25-05 | 25.00 | 145.53 | 202.00 | 124.00 | 0.66 | 81° | 10 | 0.550 | 9000 |
| | | | 144.00 | 25 | 1.10 | -0.10 | 0.40 | DS20-D2400L25-06 | 25.00 | 169.53 | 226.00 | 148.00 | 0.66 | 81° | 10 | 0.520 | 6000 |
| | | | 168.00 | 25 | 1.10 | -0.10 | 0.40 | DS20-D2400L25-07 | 25.00 | 193.53 | 250.00 | 172.00 | 0.66 | 81° | 10 | 0.561 | 5000 |
| 25.00 | 03C | 03P | 100.00 | 25 | 0.90 | 0.00 | 0.33 | DS20-D2500L25-04 | 25.00 | 125.53 | 182.00 | 104.00 | 0.66 | 81° | 10 | 0.463 | 14000 |
| | | | 125.00 | 25 | 0.90 | 0.00 | 0.33 | DS20-D2500L25-05 | 25.00 | 150.53 | 207.00 | 129.00 | 0.66 | 81° | 10 | 0.510 | 9000 |
| | | | 150.00 | 25 | 0.90 | -0.10 | 0.40 | DS20-D2500L25-06 | 25.00 | 175.53 | 232.00 | 154.00 | 0.66 | 81° | 10 | 0.557 | 6000 |
| | | | 175.00 | 25 | 0.90 | -0.10 | 0.40 | DS20-D2500L25-07 | 25.00 | 200.53 | 257.00 | 179.00 | 0.66 | 81° | 10 | 0.603 | 4000 |

| | Piezas de repuesto |
|---|---|
| DC | Tornillo de plaquita |
| 15.00-18.00 | 5513 020-27 |
| 18.01-22.00 | 5513 020-88 |
| 22.01-27.00 | 5513 020-58 |
| 27.01-33.00 | 5513 020-57 |
| 33.01-40.00 | 416.1-833 |
| 40.01-65.00 | 416.1-834 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

J33 N23 N15

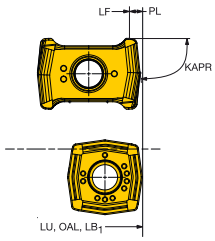
SPA

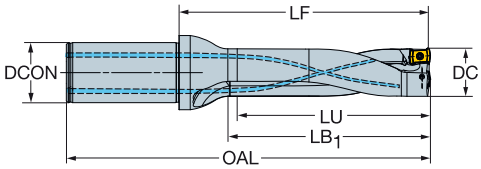
# Broca de plaquita intercambiable CoroDrill® DS20

**Mango cilíndrico con plano de apriete, según ISO 9766**

**Suministro de refrigerante interior**






| DC | | | LU | CZC$_{MS}$ | ADJLX | TCHAL | TCHAU | Código de pedido | Dimensiones, mm DCON$_{MS}$ | LF | OAL | LB$_1$ | PL | KAPR | BAR | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26.00 | 03C | 03P | 104.00 | 32 | 0.70 | 0.00 | 0.33 | DS20-D2600L32-04 | 32.00 | 133.53 | 194.00 | 108.00 | 0.66 | 81° | 10 | 0.600 | 14000 |
| | | | 130.00 | 32 | 0.70 | 0.00 | 0.33 | DS20-D2600L32-05 | 32.00 | 159.53 | 220.00 | 134.00 | 0.66 | 81° | 10 | 0.758 | 9000 |
| | | | 156.00 | 32 | 0.70 | -0.10 | 0.40 | DS20-D2600L32-06 | 32.00 | 185.53 | 246.00 | 160.00 | 0.66 | 81° | 10 | 0.812 | 6000 |
| | | | 182.00 | 32 | 0.70 | -0.10 | 0.40 | DS20-D2600L32-07 | 32.00 | 211.53 | 272.00 | 186.00 | 0.66 | 81° | 10 | 0.865 | 4000 |
| 27.00 | 03C | 03P | 108.00 | 32 | 0.50 | 0.00 | 0.33 | DS20-D2700L32-04 | 32.00 | 136.53 | 197.00 | 112.00 | 0.66 | 81° | 10 | 0.734 | 13000 |
| | | | 135.00 | 32 | 0.50 | 0.00 | 0.33 | DS20-D2700L32-05 | 32.00 | 163.53 | 224.00 | 139.00 | 0.66 | 81° | 10 | 0.794 | 8000 |
| | | | 162.00 | 32 | 0.50 | -0.10 | 0.40 | DS20-D2700L32-06 | 32.00 | 190.53 | 251.00 | 166.00 | 0.66 | 81° | 10 | 0.854 | 6000 |
| | | | 189.00 | 32 | 0.50 | -0.10 | 0.40 | DS20-D2700L32-07 | 32.00 | 217.53 | 278.00 | 193.00 | 0.66 | 81° | 10 | 0.912 | 4000 |
| 28.00 | 04C | 04P | 112.00 | 32 | 2.12 | 0.00 | 0.33 | DS20-D2800L32-04 | 32.00 | 140.16 | 201.00 | 116.00 | 0.83 | 81° | 10 | 0.743 | 13000 |
| | | | 140.00 | 32 | 2.12 | 0.00 | 0.33 | DS20-D2800L32-05 | 32.00 | 168.16 | 229.00 | 144.00 | 0.83 | 81° | 10 | 0.809 | 8000 |
| | | | 168.00 | 32 | 2.12 | -0.10 | 0.40 | DS20-D2800L32-06 | 32.00 | 196.16 | 257.00 | 172.00 | 0.83 | 81° | 10 | 0.874 | 6000 |
| | | | 196.00 | 32 | 2.12 | -0.10 | 0.40 | DS20-D2800L32-07 | 32.00 | 224.16 | 285.00 | 200.00 | 0.83 | 81° | 10 | 0.939 | 4000 |
| 29.00 | 04C | 04P | 116.00 | 32 | 1.84 | 0.00 | 0.33 | DS20-D2900L32-04 | 32.00 | 144.16 | 205.00 | 120.00 | 0.83 | 81° | 10 | 0.773 | 12000 |
| | | | 145.00 | 32 | 1.84 | 0.00 | 0.33 | DS20-D2900L32-05 | 32.00 | 173.16 | 234.00 | 149.00 | 0.83 | 81° | 10 | 0.846 | 8000 |
| | | | 174.00 | 32 | 1.84 | -0.10 | 0.40 | DS20-D2900L32-06 | 32.00 | 202.16 | 263.00 | 178.00 | 0.83 | 81° | 10 | 0.918 | 5000 |
| | | | 203.00 | 32 | 1.84 | -0.10 | 0.40 | DS20-D2900L32-07 | 32.00 | 231.16 | 292.00 | 207.00 | 0.83 | 81° | 10 | 0.991 | 4000 |
| 30.00 | 04C | 04P | 120.00 | 32 | 1.56 | 0.00 | 0.33 | DS20-D3000L32-04 | 32.00 | 148.16 | 209.00 | 124.00 | 0.83 | 81° | 10 | 0.805 | 12000 |
| | | | 150.00 | 32 | 1.56 | 0.00 | 0.33 | DS20-D3000L32-05 | 32.00 | 178.16 | 239.00 | 154.00 | 0.83 | 81° | 10 | 0.885 | 8000 |
| | | | 180.00 | 32 | 1.56 | -0.10 | 0.40 | DS20-D3000L32-06 | 32.00 | 208.16 | 269.00 | 184.00 | 0.83 | 81° | 10 | 0.966 | 5000 |
| | | | 210.00 | 32 | 1.56 | -0.10 | 0.40 | DS20-D3000L32-07 | 32.00 | 238.16 | 299.00 | 214.00 | 0.83 | 81° | 10 | 1.046 | 4000 |
| 31.00 | 04C | 04P | 124.00 | 40 | 1.28 | 0.00 | 0.35 | DS20-D3100L40-04 | 40.00 | 158.16 | 229.00 | 128.00 | 0.83 | 81° | 10 | 1.250 | 12000 |
| | | | 155.00 | 40 | 1.28 | 0.00 | 0.35 | DS20-D3100L40-05 | 40.00 | 189.16 | 260.00 | 159.00 | 0.83 | 81° | 10 | 1.339 | 7000 |
| | | | 186.00 | 40 | 1.28 | -0.10 | 0.40 | DS20-D3100L40-06 | 40.00 | 220.16 | 291.00 | 190.00 | 0.83 | 81° | 10 | 1.428 | 5000 |
| | | | 217.00 | 40 | 1.28 | -0.10 | 0.40 | DS20-D3100L40-07 | 40.00 | 251.16 | 322.00 | 221.00 | 0.83 | 81° | 10 | 1.516 | 4000 |
| 32.00 | 04C | 04P | 128.00 | 40 | 1.00 | 0.00 | 0.35 | DS20-D3200L40-04 | 40.00 | 162.16 | 233.00 | 132.00 | 0.83 | 81° | 10 | 1.286 | 11000 |
| | | | 160.00 | 40 | 1.00 | 0.00 | 0.35 | DS20-D3200L40-05 | 40.00 | 194.16 | 265.00 | 164.00 | 0.83 | 81° | 10 | 1.384 | 7000 |
| | | | 192.00 | 40 | 1.00 | -0.10 | 0.40 | DS20-D3200L40-06 | 40.00 | 226.16 | 297.00 | 196.00 | 0.83 | 81° | 10 | 1.481 | 5000 |
| | | | 224.00 | 40 | 1.00 | -0.10 | 0.40 | DS20-D3200L40-07 | 40.00 | 258.16 | 329.00 | 228.00 | 0.83 | 81° | 10 | 1.579 | 3000 |
| 33.00 | 04C | 04P | 132.00 | 40 | 0.72 | 0.00 | 0.35 | DS20-D3300L40-04 | 40.00 | 165.16 | 236.00 | 136.00 | 0.83 | 81° | 10 | 1.313 | 11000 |
| | | | 165.00 | 40 | 0.72 | 0.00 | 0.35 | DS20-D3300L40-05 | 40.00 | 198.16 | 269.00 | 169.00 | 0.83 | 81° | 10 | 1.420 | 7000 |
| | | | 198.00 | 40 | 0.72 | -0.10 | 0.40 | DS20-D3300L40-06 | 40.00 | 231.16 | 302.00 | 202.00 | 0.83 | 81° | 10 | 1.527 | 5000 |
| | | | 231.00 | 40 | 0.72 | -0.10 | 0.40 | DS20-D3300L40-07 | 40.00 | 264.16 | 335.00 | 235.00 | 0.83 | 81° | 10 | 1.634 | 3000 |
| 34.00 | 05C | 05P | 136.00 | 40 | 2.16 | 0.00 | 0.35 | DS20-D3400L40-04 | 40.00 | 169.28 | 240.00 | 140.00 | 1.00 | 81° | 10 | 1.354 | 11000 |
| | | | 170.00 | 40 | 2.16 | 0.00 | 0.35 | DS20-D3400L40-05 | 40.00 | 203.28 | 274.00 | 174.00 | 1.00 | 81° | 10 | 1.471 | 7000 |
| | | | 204.00 | 40 | 2.16 | -0.10 | 0.40 | DS20-D3400L40-06 | 40.00 | 237.28 | 308.00 | 208.00 | 1.00 | 81° | 10 | 1.531 | 4000 |
| | | | 238.00 | 40 | 2.16 | -0.10 | 0.40 | DS20-D3400L40-07 | 40.00 | 271.28 | 342.00 | 242.00 | 1.00 | 81° | 10 | 1.705 | 3000 |
| 35.00 | 05C | 05P | 140.00 | 40 | 1.92 | 0.00 | 0.35 | DS20-D3500L40-04 | 40.00 | 173.28 | 244.00 | 144.00 | 1.00 | 81° | 10 | 1.398 | 10000 |
| | | | 175.00 | 40 | 1.92 | 0.00 | 0.35 | DS20-D3500L40-05 | 40.00 | 208.28 | 279.00 | 179.00 | 1.00 | 81° | 10 | 1.525 | 6000 |
| | | | 210.00 | 40 | 1.92 | -0.10 | 0.40 | DS20-D3500L40-06 | 40.00 | 243.28 | 314.00 | 214.00 | 1.00 | 81° | 10 | 1.653 | 4000 |
| | | | 245.00 | 40 | 1.92 | -0.10 | 0.40 | DS20-D3500L40-07 | 40.00 | 278.28 | 349.00 | 249.00 | 1.00 | 81° | 10 | 1.781 | 3000 |
| 36.00 | 05C | 05P | 144.00 | 40 | 1.68 | 0.00 | 0.35 | DS20-D3600L40-04 | 40.00 | 177.28 | 248.00 | 148.00 | 1.00 | 81° | 10 | 1.443 | 10000 |
| | | | 180.00 | 40 | 1.68 | 0.00 | 0.35 | DS20-D3600L40-05 | 40.00 | 213.28 | 284.00 | 184.00 | 1.00 | 81° | 10 | 1.582 | 6000 |
| | | | 216.00 | 40 | 1.68 | -0.10 | 0.40 | DS20-D3600L40-06 | 40.00 | 249.28 | 320.00 | 220.00 | 1.00 | 81° | 10 | 1.721 | 4000 |
| | | | 252.00 | 40 | 1.68 | -0.10 | 0.40 | DS20-D3600L40-07 | 40.00 | 285.28 | 356.00 | 256.00 | 1.00 | 81° | 10 | 1.860 | 3000 |

| | Piezas de repuesto |
|---|---|
| DC | Tornillo de plaquita |
| 15.00-18.00 | 5513 020-27 |
| 18.01-22.00 | 5513 020-88 |
| 22.01-27.00 | 5513 020-58 |
| 27.01-33.00 | 5513 020-57 |
| 33.01-40.00 | 416.1-833 |
| 40.01-65.00 | 416.1-834 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

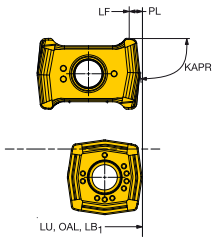
J33 N23 N15

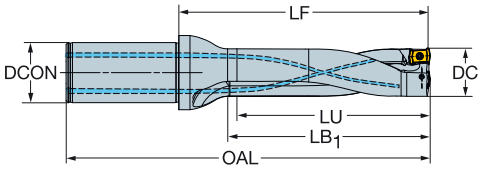
# Broca de plaquita intercambiable CoroDrill® DS20

**Mango cilíndrico con plano de apriete, según ISO 9766**

**Suministro de refrigerante interior**






| DC | | | LU | CZC$_{MS}$ | ADJLX | TCHAL | TCHAU | Código de pedido | Dimensiones, mm DCON$_{MS}$ | LF | OAL | LB$_1$ | PL | KAPR | BAR | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37.00 | 05C | 05P | 148.00 | 40 | 1.44 | 0.00 | 0.35 | DS20-D3700L40-04 | 40.00 | 181.28 | 252.00 | 152.00 | 1.00 | 81° | 10 | 1.492 | 10000 |
| | | | 185.00 | 40 | 1.44 | 0.00 | 0.35 | DS20-D3700L40-05 | 40.00 | 218.28 | 289.00 | 189.00 | 1.00 | 81° | 10 | 1.643 | 6000 |
| | | | 222.00 | 40 | 1.44 | -0.10 | 0.40 | DS20-D3700L40-06 | 40.00 | 255.28 | 326.00 | 226.00 | 1.00 | 81° | 10 | 1.794 | 4000 |
| | | | 259.00 | 40 | 1.44 | -0.10 | 0.40 | DS20-D3700L40-07 | 40.00 | 292.28 | 363.00 | 263.00 | 1.00 | 81° | 10 | 1.945 | 3000 |
| 38.00 | 05C | 05P | 152.00 | 40 | 1.20 | 0.00 | 0.35 | DS20-D3800L40-04 | 40.00 | 185.28 | 256.00 | 156.00 | 1.00 | 81° | 10 | 1.543 | 9000 |
| | | | 190.00 | 40 | 1.20 | 0.00 | 0.35 | DS20-D3800L40-05 | 40.00 | 223.28 | 294.00 | 194.00 | 1.00 | 81° | 10 | 1.707 | 6000 |
| | | | 228.00 | 40 | 1.20 | -0.10 | 0.40 | DS20-D3800L40-06 | 40.00 | 261.28 | 332.00 | 232.00 | 1.00 | 81° | 10 | 1.870 | 4000 |
| | | | 266.00 | 40 | 1.20 | -0.10 | 0.40 | DS20-D3800L40-07 | 40.00 | 299.28 | 370.00 | 270.00 | 1.00 | 81° | 10 | 2.390 | 3000 |
| 39.00 | 05C | 05P | 156.00 | 40 | 0.96 | 0.00 | 0.35 | DS20-D3900L40-04 | 40.00 | 189.28 | 260.00 | 160.00 | 1.00 | 81° | 10 | 1.597 | 9000 |
| | | | 195.00 | 40 | 0.96 | 0.00 | 0.35 | DS20-D3900L40-05 | 40.00 | 228.28 | 299.00 | 199.00 | 1.00 | 81° | 10 | 1.774 | 6000 |
| | | | 234.00 | 40 | 0.96 | -0.10 | 0.40 | DS20-D3900L40-06 | 40.00 | 267.28 | 338.00 | 238.00 | 1.00 | 81° | 10 | 1.950 | 4000 |
| | | | 273.00 | 40 | 0.96 | -0.10 | 0.40 | DS20-D3900L40-07 | 40.00 | 306.28 | 377.00 | 277.00 | 1.00 | 81° | 10 | 2.127 | 3000 |
| 40.00 | 05C | 05P | 160.00 | 40 | 0.72 | 0.00 | 0.35 | DS20-D4000L40-04 | 40.00 | 193.28 | 264.00 | 164.00 | 1.00 | 81° | 10 | 1.654 | 9000 |
| | | | 200.00 | 40 | 0.72 | 0.00 | 0.35 | DS20-D4000L40-05 | 40.00 | 233.28 | 304.00 | 204.00 | 1.00 | 81° | 10 | 1.844 | 6000 |
| | | | 240.00 | 40 | 0.72 | -0.10 | 0.40 | DS20-D4000L40-06 | 40.00 | 273.28 | 344.00 | 244.00 | 1.00 | 81° | 10 | 2.035 | 4000 |
| | | | 280.00 | 40 | 0.72 | -0.10 | 0.40 | DS20-D4000L40-07 | 40.00 | 313.28 | 384.00 | 284.00 | 1.00 | 81° | 10 | 2.226 | 3000 |

| | Piezas de repuesto |
|---|---|
| DC | Tornillo de plaquita |
| 15.00-18.00 | 5513 020-27 |
| 18.01-22.00 | 5513 020-88 |
| 22.01-27.00 | 5513 020-58 |
| 27.01-33.00 | 5513 020-57 |
| 33.01-40.00 | 416.1-833 |
| 40.01-65.00 | 416.1-834 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

J33 N23 N15

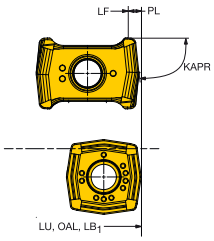
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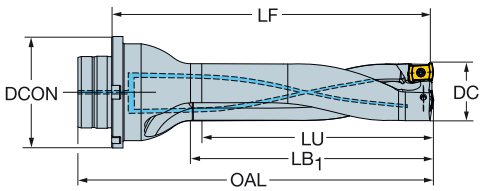
# Broca de plaquita intercambiable CoroDrill® DS20

**Adaptador de broca modular**

**Suministro de refrigerante interior**






| DC | | | LU | CZC$_{MS}$ | ADJLX | TCHAL | TCHAU | Código de pedido | Dimensiones, mm DCON$_{MS}$ | LF | OAL | LB$_1$ | PL | KAPR | BAR | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15.00 | 01C | 01P | 60.00 | MDI-20 | 1.00 | 0.00 | 0.27 | DS20-D1500DM20-04 | 20.00 | 88.69 | 104.00 | 63.00 | 0.46 | 81° | 10 | 0.191 | 24000 |
| | | | 105.00 | MDI-20 | 1.00 | -0.10 | 0.40 | DS20-D1500DM20-07 | 20.00 | 133.69 | 149.00 | 108.00 | 0.46 | 81° | 10 | 0.204 | 8000 |
| 16.00 | 01C | 01P | 64.00 | MDI-20 | 0.75 | 0.00 | 0.27 | DS20-D1600DM20-04 | 20.00 | 92.69 | 108.00 | 67.00 | 0.46 | 81° | 10 | 0.199 | 22000 |
| | | | 112.00 | MDI-20 | 0.75 | -0.10 | 0.40 | DS20-D1600DM20-07 | 20.00 | 140.69 | 156.00 | 115.00 | 0.46 | 81° | 10 | 0.219 | 7000 |
| 17.00 | 01C | 01P | 68.00 | MDI-20 | 0.50 | 0.00 | 0.27 | DS20-D1700DM20-04 | 20.00 | 96.69 | 112.00 | 71.00 | 0.46 | 81° | 10 | 0.211 | 21000 |
| | | | 119.00 | MDI-20 | 0.50 | -0.10 | 0.40 | DS20-D1700DM20-07 | 20.00 | 147.69 | 163.00 | 122.00 | 0.46 | 81° | 10 | 0.236 | 7000 |
| 18.00 | 01C | 01P | 72.00 | MDI-25 | 0.25 | 0.00 | 0.27 | DS20-D1800DM25-04 | 25.00 | 104.69 | 120.00 | 75.00 | 0.46 | 81° | 10 | 0.317 | 20000 |
| | | | 126.00 | MDI-25 | 0.25 | -0.10 | 0.40 | DS20-D1800DM25-07 | 25.00 | 158.69 | 174.00 | 129.00 | 0.46 | 81° | 10 | 0.353 | 6000 |
| 19.00 | 02C | 02P | 76.00 | MDI-25 | 1.06 | 0.00 | 0.33 | DS20-D1900DM25-04 | 25.00 | 108.62 | 124.00 | 79.00 | 0.55 | 81° | 10 | 0.313 | 19000 |
| | | | 133.00 | MDI-25 | 1.06 | -0.10 | 0.40 | DS20-D1900DM25-07 | 25.00 | 165.62 | 181.00 | 136.00 | 0.55 | 81° | 10 | 0.389 | 6000 |
| 20.00 | 02C | 02P | 80.00 | MDI-25 | 0.82 | 0.00 | 0.33 | DS20-D2000DM25-04 | 25.00 | 112.62 | 128.00 | 83.00 | 0.55 | 81° | 10 | 0.340 | 18000 |
| | | | 140.00 | MDI-25 | 0.82 | -0.10 | 0.40 | DS20-D2000DM25-07 | 25.00 | 172.62 | 188.00 | 143.00 | 0.55 | 81° | 10 | 0.400 | 6000 |
| 21.00 | 02C | 02P | 84.00 | MDI-25 | 0.58 | 0.00 | 0.33 | DS20-D2100DM25-04 | 25.00 | 116.62 | 132.00 | 87.00 | 0.55 | 81° | 10 | 0.342 | 17000 |
| | | | 147.00 | MDI-25 | 0.58 | -0.10 | 0.40 | DS20-D2100DM25-07 | 25.00 | 179.62 | 195.00 | 150.00 | 0.55 | 81° | 10 | 0.425 | 5000 |
| 22.00 | 02C | 02P | 88.00 | MDI-25 | 0.34 | 0.00 | 0.33 | DS20-D2200DM25-04 | 25.00 | 120.62 | 136.00 | 91.00 | 0.55 | 81° | 10 | 0.381 | 16000 |
| | | | 154.00 | MDI-25 | 0.34 | -0.10 | 0.40 | DS20-D2200DM25-07 | 25.00 | 186.62 | 202.00 | 157.00 | 0.55 | 81° | 10 | 0.500 | 5000 |
| 23.00 | 03C | 03P | 92.00 | MDI-25 | 1.30 | 0.00 | 0.33 | DS20-D2300DM25-04 | 25.00 | 125.53 | 141.00 | 96.00 | 0.66 | 81° | 10 | 0.379 | 15000 |
| | | | 161.00 | MDI-25 | 1.30 | -0.10 | 0.40 | DS20-D2300DM25-07 | 25.00 | 194.53 | 210.00 | 165.00 | 0.66 | 81° | 10 | 0.488 | 5000 |
| 24.00 | 03C | 03P | 96.00 | MDI-25 | 1.10 | 0.00 | 0.33 | DS20-D2400DM25-04 | 25.00 | 129.53 | 145.00 | 100.00 | 0.66 | 81° | 10 | 0.400 | 15000 |
| | | | 168.00 | MDI-25 | 1.10 | -0.10 | 0.40 | DS20-D2400DM25-07 | 25.00 | 201.53 | 217.00 | 172.00 | 0.66 | 81° | 10 | 0.600 | 5000 |
| 25.00 | 03C | 03P | 100.00 | MDI-25 | 0.90 | 0.00 | 0.33 | DS20-D2500DM25-04 | 25.00 | 133.53 | 149.00 | 104.00 | 0.66 | 81° | 10 | 0.446 | 14000 |
| | | | 175.00 | MDI-25 | 0.90 | -0.10 | 0.40 | DS20-D2500DM25-07 | 25.00 | 208.53 | 224.00 | 179.00 | 0.66 | 81° | 10 | 0.600 | 4000 |
| 26.00 | 03C | 03P | 104.00 | MDI-32 | 0.70 | 0.00 | 0.33 | DS20-D2600DM32-04 | 32.00 | 142.53 | 158.00 | 108.00 | 0.66 | 81° | 10 | 0.700 | 14000 |
| | | | 182.00 | MDI-32 | 0.70 | -0.10 | 0.40 | DS20-D2600DM32-07 | 32.00 | 220.53 | 236.00 | 186.00 | 0.66 | 81° | 10 | 0.808 | 4000 |
| 27.00 | 03C | 03P | 108.00 | MDI-32 | 0.50 | 0.00 | 0.33 | DS20-D2700DM32-04 | 32.00 | 146.53 | 162.00 | 112.00 | 0.66 | 81° | 10 | 0.700 | 13000 |
| | | | 189.00 | MDI-32 | 0.50 | -0.10 | 0.40 | DS20-D2700DM32-07 | 32.00 | 227.53 | 243.00 | 193.00 | 0.66 | 81° | 10 | 0.853 | 4000 |
| 28.00 | 04C | 04P | 112.00 | MDI-32 | 2.12 | 0.00 | 0.33 | DS20-D2800DM32-04 | 32.00 | 150.16 | 166.00 | 116.00 | 0.83 | 81° | 10 | 0.705 | 13000 |
| | | | 196.00 | MDI-32 | 2.12 | -0.10 | 0.40 | DS20-D2800DM32-07 | 32.00 | 234.16 | 250.00 | 200.00 | 0.83 | 81° | 10 | 0.901 | 4000 |
| 29.00 | 04C | 04P | 116.00 | MDI-32 | 1.84 | 0.00 | 0.33 | DS20-D2900DM32-04 | 32.00 | 154.16 | 170.00 | 120.00 | 0.83 | 81° | 10 | 0.734 | 12000 |
| | | | 203.00 | MDI-32 | 1.84 | -0.10 | 0.40 | DS20-D2900DM32-07 | 32.00 | 241.16 | 257.00 | 207.00 | 0.83 | 81° | 10 | 0.952 | 4000 |
| 30.00 | 04C | 04P | 120.00 | MDI-32 | 1.56 | 0.00 | 0.33 | DS20-D3000DM32-04 | 32.00 | 158.16 | 174.00 | 124.00 | 0.83 | 81° | 10 | 0.766 | 12000 |
| | | | 210.00 | MDI-32 | 1.56 | -0.10 | 0.40 | DS20-D3000DM32-07 | 32.00 | 248.16 | 264.00 | 214.00 | 0.83 | 81° | 10 | 1.008 | 4000 |
| 31.00 | 04C | 04P | 124.00 | MDI-32 | 1.28 | 0.00 | 0.35 | DS20-D3100DM32-04 | 32.00 | 164.16 | 180.00 | 128.00 | 0.83 | 81° | 10 | 0.818 | 12000 |
| | | | 217.00 | MDI-32 | 1.28 | -0.10 | 0.40 | DS20-D3100DM32-07 | 32.00 | 256.16 | 272.00 | 221.00 | 0.83 | 81° | 10 | 1.075 | 4000 |
| 32.00 | 04C | 04P | 128.00 | MDI-40 | 1.00 | 0.00 | 0.35 | DS20-D3200DM40-04 | 40.00 | 175.16 | 191.00 | 132.00 | 0.83 | 81° | 10 | 1.260 | 11000 |
| | | | 224.00 | MDI-40 | 1.00 | -0.10 | 0.40 | DS20-D3200DM40-07 | 40.00 | 271.16 | 287.00 | 228.00 | 0.83 | 81° | 10 | 1.553 | 3000 |
| 33.00 | 04C | 04P | 132.00 | MDI-40 | 0.72 | 0.00 | 0.35 | DS20-D3300DM40-04 | 40.00 | 179.16 | 195.00 | 136.00 | 0.83 | 81° | 10 | 1.299 | 11000 |
| | | | 231.00 | MDI-40 | 0.72 | -0.10 | 0.40 | DS20-D3300DM40-07 | 40.00 | 278.16 | 294.00 | 235.00 | 0.83 | 81° | 10 | 1.620 | 3000 |

| | Piezas de repuesto |
|---|---|
| DC | Tornillo de plaquita |
| 15.00-18.00 | 5513 020-27 |
| 18.01-22.00 | 5513 020-88 |
| 22.01-27.00 | 5513 020-58 |
| 27.01-33.00 | 5513 020-57 |
| 33.01-40.00 | 416.1-833 |
| 40.01-59.00 | 416.1-834 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es


J33



N23



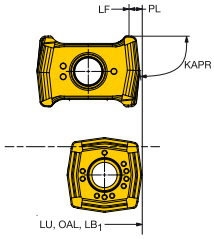
N15

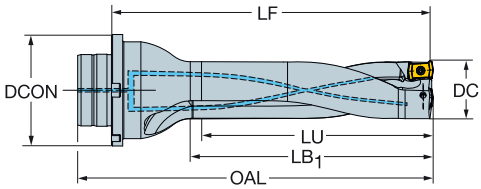
# Broca de plaquita intercambiable CoroDrill® DS20

**Adaptador de broca modular**

**Suministro de refrigerante interior**






| | | | | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DC | | | LU | $CZC_{MS}$ | ADJLX | TCHAL | TCHAU | **Código de pedido** | $DCON_{MS}$ | LF | OAL | $LB_1$ | PL | KAPR | BAR | KG | RPMX |
| 34.00 | 05P | 05P | 136.00 | MDI-40 | 2.16 | 0.00 | 0.35 | **DS20-D3400DM40-04** | 40.00 | 183.28 | 199.00 | 140.00 | 1.00 | 81° | 10 | 1.340 | 11000 |
| | | | 238.00 | MDI-40 | 2.16 | -0.10 | 0.40 | **DS20-D3400DM40-07** | 40.00 | 285.28 | 301.00 | 242.00 | 1.00 | 81° | 10 | 1.691 | 3000 |
| 35.00 | 05C | 05C | 140.00 | MDI-40 | 1.92 | 0.00 | 0.35 | **DS20-D3500DM40-04** | 40.00 | 187.28 | 203.00 | 144.00 | 1.00 | 81° | 10 | 1.383 | 10000 |
| | | | 245.00 | MDI-40 | 1.92 | -0.10 | 0.40 | **DS20-D3500DM40-07** | 40.00 | 292.28 | 308.00 | 249.00 | 1.00 | 81° | 10 | 1.766 | 3000 |
| 36.00 | 05C | 05C | 144.00 | MDI-40 | 1.68 | 0.00 | 0.35 | **DS20-D3600DM40-04** | 40.00 | 191.28 | 207.00 | 148.00 | 1.00 | 81° | 10 | 1.429 | 10000 |
| | | | 252.00 | MDI-40 | 1.68 | -0.10 | 0.40 | **DS20-D3600DM40-07** | 40.00 | 299.28 | 315.00 | 256.00 | 1.00 | 81° | 10 | 1.846 | 3000 |
| 37.00 | 05P | 05P | 148.00 | MDI-40 | 1.44 | 0.00 | 0.35 | **DS20-D3700DM40-04** | 40.00 | 195.28 | 211.00 | 152.00 | 1.00 | 81° | 10 | 1.477 | 10000 |
| | | | 259.00 | MDI-40 | 1.44 | -0.10 | 0.40 | **DS20-D3700DM40-07** | 40.00 | 306.28 | 322.00 | 263.00 | 1.00 | 81° | 10 | 1.930 | 3000 |
| 38.00 | 05P | 05P | 152.00 | MDI-40 | 1.20 | 0.00 | 0.35 | **DS20-D3800DM40-04** | 40.00 | 199.28 | 215.00 | 156.00 | 1.00 | 81° | 10 | 1.529 | 9000 |
| | | | 266.00 | MDI-40 | 1.20 | -0.10 | 0.40 | **DS20-D3800DM40-07** | 40.00 | 313.28 | 329.00 | 270.00 | 1.00 | 81° | 10 | 2.019 | 3000 |
| 39.00 | 05C | 05C | 156.00 | MDI-40 | 0.96 | 0.00 | 0.35 | **DS20-D3900DM40-04** | 40.00 | 203.28 | 219.00 | 160.00 | 1.00 | 81° | 10 | 1.582 | 9000 |
| | | | 273.00 | MDI-40 | 0.96 | -0.10 | 0.40 | **DS20-D3900DM40-07** | 40.00 | 320.28 | 336.00 | 277.00 | 1.00 | 81° | 10 | 2.113 | 3000 |
| 40.00 | 05C | 05P | 160.00 | MDI-40 | 0.72 | 0.00 | 0.35 | **DS20-D4000DM40-04** | 40.00 | 206.28 | 222.00 | 164.00 | 1.00 | 81° | 10 | 1.624 | 9000 |
| | | | 280.00 | MDI-40 | 0.72 | -0.10 | 0.40 | **DS20-D4000DM40-07** | 40.00 | 326.28 | 342.00 | 284.00 | 1.00 | 81° | 10 | 2.196 | 3000 |

| | Piezas de repuesto |
|---|---|
| DC | Tornillo de plaquita |
| 15.00-18.00 | 5513 020-27 |
| 18.01-22.00 | 5513 020-88 |
| 22.01-27.00 | 5513 020-58 |
| 27.01-33.00 | 5513 020-57 |
| 33.01-40.00 | 416.1-833 |
| 40.01-59.00 | 416.1-834 |

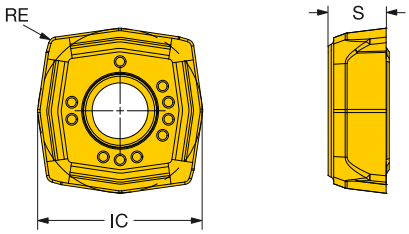
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

J33 N23 N15

# Plaquita CoroDrill® DS20 para taladrado

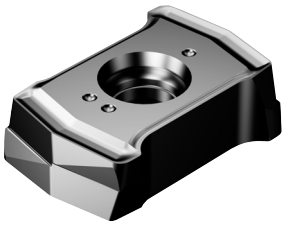
## Plaquita central

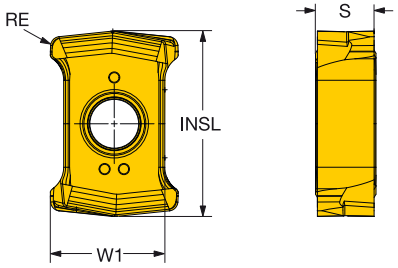





| | | | P | | M | K | N | | S | | H | Dimensiones, mm | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | INSUC | Código de pedido | 1344 | 1144 | 1344 | H13A | 1344 | 1344 | H13A | 1344 | S | RE | IC |
| 01C | C | DS20-0104-C-L5 | ★ | ★ | | ★ | ☆ | ★ | ☆ | ★ | 2.30 | 0.35 | 6.0 |
| 01C | C | DS20-0104-C-M7 | ★ | | ★ | | | | | ☆ | 2.30 | 0.35 | 6.0 |
| 02C | C | DS20-0205-C-L5 | ★ | ★ | | ★ | ☆ | ★ | ☆ | ★ | 2.60 | 0.35 | 7.3 |
| 02C | C | DS20-0205-C-M7 | ★ | | ★ | | | | | ☆ | 2.60 | 0.35 | 7.3 |
| 03C | C | DS20-0306-C-L5 | ★ | ★ | | ★ | ☆ | ★ | ☆ | ★ | 3.00 | 0.35 | 8.9 |
| 03C | C | DS20-0306-C-M7 | ★ | | ★ | | | | | ☆ | 3.00 | 0.35 | 8.9 |
| 04C | C | DS20-0407-C-L5 | ★ | ★ | | ★ | ☆ | ★ | ☆ | ★ | 3.20 | 0.35 | 11.1 |
| 04C | C | DS20-0407-C-M7 | ★ | | ★ | | | | | ☆ | 3.20 | 0.35 | 11.1 |
| 05C | C | DS20-0508-C-L5 | ★ | ★ | | ★ | ☆ | ★ | ☆ | ★ | 3.50 | 0.35 | 13.4 |
| 05C | C | DS20-0508-C-M7 | ★ | | ★ | | | | | ☆ | 3.50 | 0.35 | 13.4 |

## Plaquita periférica






| | | | P | | | M | | | K | | | N | | S | | | H | | Dimensiones, mm | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | INSUC | Código de pedido | 4324 | 4334 | 4344 | 2044 | 4334 | 4344 | 4324 | 4334 | 4344 | 4344 | H13A | 2044 | 4344 | H13A | 4334 | 4344 | S | RE | W1 |
| 01P | P | DS20-0104-P-H5W | | ☆ | ☆ | ☆ | ☆ | ☆ | | | | | | | | | | | 2.73 | 0.40 | 5.0 |
| 01P | P | DS20-0104-P-L5W | ☆ | ★ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | | | | 2.73 | 0.40 | 5.0 |
| 01P | P | DS20-0104-P-L6W | | | ☆ | | | ☆ | | | ☆ | ☆ | | | ★ | | | ★ | 2.73 | 0.40 | 5.0 |
| 01P | P | DS20-0104-P-M7W | ☆ | ★ | ☆ | | | | ☆ | ★ | ☆ | | | | | | ☆ | ☆ | 2.73 | 0.40 | 5.0 |
| 01P | P | DS20-0104-P-S5W | | | | | | ☆ | | | | ☆ | ★ | | ★ | ☆ | | | 2.73 | 0.40 | 5.0 |
| 02P | P | DS20-0205-P-H5W | | ☆ | ☆ | ☆ | ☆ | ☆ | | | | | | | | | | | 3.10 | 0.50 | 6.1 |
| 02P | P | DS20-0205-P-L5W | ☆ | ★ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | | | | 3.10 | 0.50 | 6.1 |
| 02P | P | DS20-0205-P-L6W | | | ☆ | | | ☆ | | | ☆ | ☆ | | | ★ | | | ★ | 3.10 | 0.50 | 6.1 |
| 02P | P | DS20-0205-P-M7W | ☆ | ★ | ☆ | | | | ☆ | ★ | ☆ | | | | | | ☆ | ☆ | 3.10 | 0.50 | 6.1 |
| 02P | P | DS20-0205-P-S5W | | | | | | ☆ | | | | ☆ | ★ | | ★ | ☆ | | | 3.10 | 0.50 | 6.1 |
| 03P | P | DS20-0306-P-H5W | | ☆ | ☆ | ☆ | ☆ | ☆ | | | | | | | | | | | 3.53 | 0.60 | 7.3 |
| 03P | P | DS20-0306-P-L5W | ☆ | ★ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | | | | 3.53 | 0.60 | 7.3 |
| 03P | P | DS20-0306-P-L6W | | | ☆ | | | ☆ | | | ☆ | ☆ | | | ★ | | | ★ | 3.53 | 0.60 | 7.3 |
| 03P | P | DS20-0306-P-M7W | ☆ | ★ | ☆ | | | | ☆ | ★ | ☆ | | | | | | ☆ | ☆ | 3.53 | 0.60 | 7.3 |
| 03P | P | DS20-0306-P-S5W | | | | | | ☆ | | | | ☆ | ★ | | ★ | ☆ | | | 3.53 | 0.60 | 7.3 |
| 04P | P | DS20-0407-P-H5W | | ☆ | ☆ | ☆ | ☆ | ☆ | | | | | | | | | | | 4.25 | 0.70 | 9.2 |
| 04P | P | DS20-0407-P-L5W | ☆ | ★ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | | | | 4.25 | 0.70 | 9.2 |
| 04P | P | DS20-0407-P-L6W | | | ☆ | | | ☆ | | | ☆ | ☆ | | | ★ | | | ★ | 4.25 | 0.70 | 9.2 |
| 04P | P | DS20-0407-P-M7W | ☆ | ★ | ☆ | | | | ☆ | ★ | ☆ | | | | | | ☆ | ☆ | 4.25 | 0.70 | 9.2 |
| 04P | P | DS20-0407-P-S5W | | | | | | ☆ | | | | ☆ | ★ | | ★ | ☆ | | | 4.25 | 0.70 | 9.2 |
| 05P | P | DS20-0508-P-H5W | | ☆ | ☆ | ☆ | ☆ | ☆ | | | | | | | | | | | 4.75 | 0.80 | 11.2 |
| 05P | P | DS20-0508-P-L5W | ☆ | ★ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | | | | 4.75 | 0.80 | 11.2 |
| 05P | P | DS20-0508-P-L6W | | | ☆ | | | ☆ | | | ☆ | ☆ | | | ★ | | | ★ | 4.75 | 0.80 | 11.2 |
| 05P | P | DS20-0508-P-M7W | ☆ | ★ | ☆ | | | | ☆ | ★ | ☆ | | | | | | ☆ | ☆ | 4.75 | 0.80 | 11.2 |
| 05P | P | DS20-0508-P-S5W | | | | | | ☆ | | | | ☆ | ★ | | ★ | ☆ | | | 4.75 | 0.80 | 11.2 |

J28 J54 N23

# CoroDrill® 880

## Brocas de plaquita intercambiable

J

### Área de aplicación ISO

P M K N S H



### Ventajas y características para diámetros de agujero de 12.00–63.50 mm

- Productividad hasta un 100 % superior
- Tolerancias de agujero estrechas y acabado superficial optimizado
- Cuatro filos de corte efectivos con tecnología Wiper
- El robusto cuerpo de la broca con plaquitas centrales y periféricas cuenta con la exclusiva Step Technology™ para un perfecto equilibrio de las fuerzas de corte
- Excelente evacuación de la viruta

K



### Ventajas y características para diámetros de agujero de 65.00–84.00 mm

- Taladrado seguro y fiable debido al robusto cuerpo de broca y el rígido adaptador del cartucho
- Excelente control y evacuación de la viruta
- Excelente flexibilidad: un cuerpo de broca cubre cinco tamaños de diámetro debido al sistema de cartucho fijo reemplazable
- Solución rentable y fácil de usar con cartuchos y plaquitas intercambiables

L

www.sandvik.coromant.com/corodrill880

M

### Cuerpos de broca

Acoplamientos:
- Coromant Capto®
- Mango cilíndrico
- Acoplamiento VL

### Plaquitas

- Plaquitas con geometrías optimizadas para todo tipo de materiales

**2 – 3 x DC**

| | | | |
|---|---|---|---|
| Gama de diámetros, mm | 12.00-43.99 | 44.00-52.99 | 53.00-63.50 |
| Tolerancia de agujero, mm | 0/+0.25 | 0/+0.28 | 0/+0.30 |

N

J36 J42 N6

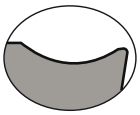
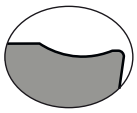
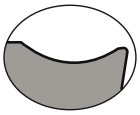
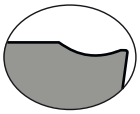


SANDVIK Coromant

SPA

# CoroDrill® 880

## Información general sobre geometrías

| Geometría | | Información sobre geometrías |
|---|---|---|
| **LM** |  | - Primera elección en acero de bajo contenido en carbono.<br>- Un geometría versátil con un rompevirutas universal.<br>- Ofrece su mejor rendimiento en avances de bajos a medios.<br>- Genera fuerzas de corte reducidas. |
| **GR** |  | - Primera elección en acero aleado y fundiciones.<br>- Ofrece su mejor rendimiento en avances de medios a grandes. |
| **MS** |  | - Primera elección en materiales inoxidables y no férreos.<br>- Filo agudo que permite fuerzas de corte bajas. |
| **GM** |  | - Fuerzas de corte bajas.<br>- Avance de bajo a medio. |

## Información general sobre calidad

### 4334

- Primera elección en condiciones normales en ISO P y K.
- Elección complementaria en aplicaciones ISO M estables.

### 4324

- Elección resistente al desgaste para ISO P y K.

### 4344

- Calidad segura que funciona bien en todo tipo de materiales.

### 2044

- Primera elección en ISO M.
- Elección complementaria en ISO S.

### N124

- Recubrimiento de diamante.
- Primera elección en ISO N.

### H13A

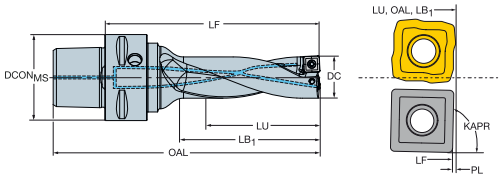
- Calidad sin recubrimiento.

# Broca de plaquita intercambiable CoroDrill® 880

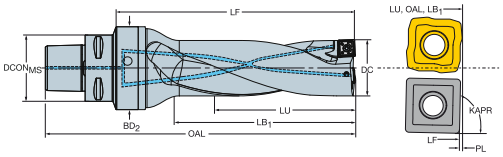
**Coromant Capto®**



DSGN 1




2




| DC | | | LU | $CZC_{MS}$ | ADJLX | TCHAL | TCHAU | DSGN | Código de pedido | $DCON_{MS}$ | LF | OAL | $LB_1$ | BD2 | PL | KAPR | BAR | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | Dimensiones, mm | | | | | | | | | |
| 12.00 | 01C | 01P | 36.00 | C4 | 0.25 | 0.00 | 0.25 | 1 | 880-D1200C4-03 | 40.00 | 70.61 | 95.00 | 39.00 | | 0.38 | 79° | 10 | 0.343 | 33000 |
| 12.50 | 01C | 01P | 38.00 | C4 | 0.25 | 0.00 | 0.25 | 1 | 880-D1250C4-03 | 40.00 | 72.61 | 97.00 | 40.00 | | 0.38 | 79° | 10 | 0.320 | 33000 |
| 12.70 | 01C | 01P | 38.00 | C4 | 0.25 | 0.00 | 0.25 | 1 | 880-D1270C4-03 | 40.00 | 73.61 | 98.00 | 41.00 | | 0.38 | 79° | 10 | 0.352 | 33000 |
| | | | 38.00 | C5 | 0.25 | 0.00 | 0.25 | 1 | 880-D1270C5-03 | 50.00 | 73.61 | 104.00 | 41.00 | | 0.38 | 79° | 10 | 0.570 | 33000 |
| | | | 38.00 | C6 | 0.25 | 0.00 | 0.25 | 1 | 880-D1270C6-03 | 63.00 | 75.61 | 114.00 | 41.00 | | 0.38 | 79° | 10 | 0.900 | 33000 |
| 13.00 | 01C | 01P | 39.00 | C4 | 0.25 | 0.00 | 0.25 | 1 | 880-D1300C4-03 | 40.00 | 74.61 | 99.00 | 42.00 | | 0.38 | 79° | 10 | 0.345 | 33000 |
| | | | 39.00 | C5 | 0.25 | 0.00 | 0.25 | 1 | 880-D1300C5-03 | 50.00 | 74.61 | 105.00 | 42.00 | | 0.38 | 79° | 10 | 0.570 | 33000 |
| 13.50 | 01C | 01P | 41.00 | C4 | 0.25 | 0.00 | 0.25 | 1 | 880-D1350C4-03 | 40.00 | 76.61 | 101.00 | 44.00 | | 0.38 | 79° | 10 | 0.355 | 33000 |
| | | | 41.00 | C6 | 0.25 | 0.00 | 0.25 | 1 | 880-D1350C6-03 | 63.00 | 78.61 | 117.00 | 44.00 | | 0.38 | 79° | 10 | 0.900 | 33000 |
| 14.00 | 02C | 02P | 42.00 | C4 | 0.50 | 0.00 | 0.25 | 1 | 880-D1400C4-03 | 40.00 | 77.67 | 102.00 | 45.00 | | 0.32 | 88° | 10 | 0.351 | 33000 |
| | | | 42.00 | C5 | 0.50 | 0.00 | 0.25 | 1 | 880-D1400C5-03 | 50.00 | 77.67 | 108.00 | 45.00 | | 0.32 | 88° | 10 | 0.572 | 33000 |
| | | | 42.00 | C6 | 0.50 | 0.00 | 0.25 | 1 | 880-D1400C6-03 | 63.00 | 79.67 | 118.00 | 45.00 | | 0.32 | 88° | 10 | 0.900 | 33000 |
| 14.50 | 02C | 02P | 44.00 | C4 | 0.45 | 0.00 | 0.25 | 1 | 880-D1450C4-03 | 40.00 | 79.67 | 104.00 | 46.00 | | 0.32 | 88° | 10 | 0.356 | 33000 |
| 15.00 | 02C | 02P | 45.00 | C4 | 0.40 | 0.00 | 0.25 | 1 | 880-D1500C4-03 | 40.00 | 81.67 | 106.00 | 48.00 | | 0.32 | 88° | 10 | 0.358 | 33000 |
| | | | 45.00 | C5 | 0.40 | 0.00 | 0.25 | 1 | 880-D1500C5-03 | 50.00 | 81.67 | 112.00 | 48.00 | | 0.32 | 88° | 10 | 0.579 | 33000 |
| | | | 45.00 | C6 | 0.40 | 0.00 | 0.25 | 1 | 880-D1500C6-03 | 63.00 | 83.67 | 122.00 | 48.00 | | 0.32 | 88° | 10 | 0.900 | 33000 |
| 15.50 | 02C | 02P | 47.00 | C4 | 0.30 | 0.00 | 0.25 | 1 | 880-D1550C4-03 | 40.00 | 83.66 | 108.00 | 50.00 | | 0.33 | 88° | 10 | 0.363 | 33000 |
| | | | 47.00 | C5 | 0.30 | 0.00 | 0.25 | 1 | 880-D1550C5-03 | 50.00 | 83.66 | 114.00 | 50.00 | | 0.33 | 88° | 10 | 0.584 | 33000 |
| | | | 47.00 | C6 | 0.30 | 0.00 | 0.25 | 1 | 880-D1550C6-03 | 63.00 | 85.66 | 124.00 | 50.00 | | 0.33 | 88° | 10 | 0.900 | 33000 |
| 16.00 | 02C | 02P | 48.00 | C4 | 0.30 | 0.00 | 0.25 | 1 | 880-D1600C4-03 | 40.00 | 85.66 | 110.00 | 51.00 | | 0.33 | 88° | 10 | 0.369 | 33000 |
| | | | 48.00 | C5 | 0.30 | 0.00 | 0.25 | 1 | 880-D1600C5-03 | 50.00 | 85.66 | 116.00 | 51.00 | | 0.33 | 88° | 10 | 0.590 | 33000 |
| | | | 48.00 | C6 | 0.30 | 0.00 | 0.25 | 1 | 880-D1600C6-03 | 63.00 | 87.66 | 126.00 | 51.00 | | 0.33 | 88° | 10 | 0.909 | 33000 |
| 16.50 | 03C | 03P | 50.00 | C4 | 0.60 | 0.00 | 0.25 | 1 | 880-D1650C4-03 | 40.00 | 87.63 | 112.00 | 53.00 | | 0.36 | 88° | 10 | 0.377 | 30000 |
| | | | 50.00 | C5 | 0.60 | 0.00 | 0.25 | 1 | 880-D1650C5-03 | 50.00 | 87.63 | 118.00 | 53.00 | | 0.36 | 88° | 10 | 0.596 | 30000 |
| 17.00 | 03C | 03P | 51.00 | C4 | 0.60 | 0.00 | 0.25 | 1 | 880-D1700C4-03 | 40.00 | 88.63 | 113.00 | 54.00 | | 0.36 | 88° | 10 | 0.379 | 30000 |
| | | | 51.00 | C5 | 0.60 | 0.00 | 0.25 | 1 | 880-D1700C5-03 | 50.00 | 88.63 | 119.00 | 54.00 | | 0.36 | 88° | 10 | 0.601 | 30000 |
| | | | 51.00 | C6 | 0.60 | 0.00 | 0.25 | 1 | 880-D1700C6-03 | 63.00 | 90.63 | 129.00 | 54.00 | | 0.36 | 88° | 10 | 0.919 | 30000 |
| 17.50 | 03C | 03P | 53.00 | C4 | 0.50 | 0.00 | 0.25 | 1 | 880-D1750C4-03 | 40.00 | 91.62 | 116.00 | 56.00 | | 0.37 | 88° | 10 | 0.411 | 30000 |
| | | | 53.00 | C5 | 0.50 | 0.00 | 0.25 | 1 | 880-D1750C5-03 | 50.00 | 91.62 | 122.00 | 56.00 | | 0.37 | 88° | 10 | 0.638 | 30000 |
| | | | 53.00 | C6 | 0.50 | 0.00 | 0.25 | 1 | 880-D1750C6-03 | 63.00 | 93.62 | 132.00 | 56.00 | | 0.37 | 88° | 10 | 0.976 | 30000 |
| 18.00 | 03C | 03P | 54.00 | C4 | 0.40 | 0.00 | 0.25 | 1 | 880-D1800C4-03 | 40.00 | 92.62 | 117.00 | 57.00 | | 0.37 | 88° | 10 | 0.416 | 30000 |
| | | | 54.00 | C5 | 0.40 | 0.00 | 0.25 | 1 | 880-D1800C5-03 | 50.00 | 92.62 | 123.00 | 57.00 | | 0.37 | 88° | 10 | 0.642 | 30000 |
| | | | 54.00 | C6 | 0.40 | 0.00 | 0.25 | 1 | 880-D1800C6-03 | 63.00 | 94.62 | 133.00 | 57.00 | | 0.37 | 88° | 10 | 1.000 | 30000 |
| 18.50 | 03C | 03P | 56.00 | C4 | 0.40 | 0.00 | 0.25 | 1 | 880-D1850C4-03 | 40.00 | 94.62 | 119.00 | 59.00 | | 0.37 | 88° | 10 | 0.419 | 30000 |
| | | | 56.00 | C5 | 0.40 | 0.00 | 0.25 | 1 | 880-D1850C5-03 | 50.00 | 94.62 | 125.00 | 59.00 | | 0.37 | 88° | 10 | 0.646 | 30000 |
| 19.00 | 03C | 03P | 57.00 | C4 | 0.30 | 0.00 | 0.25 | 1 | 880-D1900C4-03 | 40.00 | 95.61 | 120.00 | 60.00 | | 0.38 | 88° | 10 | 0.424 | 30000 |
| | | | 57.00 | C5 | 0.30 | 0.00 | 0.25 | 1 | 880-D1900C5-03 | 50.00 | 95.61 | 126.00 | 60.00 | | 0.38 | 88° | 10 | 0.651 | 30000 |
| | | | 57.00 | C6 | 0.30 | 0.00 | 0.25 | 1 | 880-D1900C6-03 | 63.00 | 97.61 | 136.00 | 60.00 | | 0.38 | 88° | 10 | 1.000 | 30000 |
| 19.50 | 03C | 03P | 59.00 | C4 | 0.30 | 0.00 | 0.25 | 1 | 880-D1950C4-03 | 40.00 | 98.61 | 123.00 | 62.00 | | 0.38 | 88° | 10 | 0.436 | 30000 |
| | | | 59.00 | C5 | 0.30 | 0.00 | 0.25 | 1 | 880-D1950C5-03 | 50.00 | 98.61 | 129.00 | 62.00 | | 0.38 | 88° | 10 | 0.658 | 30000 |
| 20.00 | 04C | 04P | 60.00 | C4 | 0.90 | 0.00 | 0.25 | 1 | 880-D2000C4-03 | 40.00 | 100.56 | 125.00 | 64.00 | | 0.43 | 88° | 10 | 0.437 | 21500 |
| | | | 60.00 | C5 | 0.90 | 0.00 | 0.25 | 1 | 880-D2000C5-03 | 50.00 | 100.56 | 131.00 | 64.00 | | 0.43 | 88° | 10 | 0.662 | 21500 |
| | | | 60.00 | C6 | 0.90 | 0.00 | 0.25 | 1 | 880-D2000C6-03 | 63.00 | 102.56 | 141.00 | 64.00 | | 0.43 | 88° | 10 | 1.000 | 21500 |
| 21.00 | 04C | 04P | 63.00 | C4 | 0.80 | 0.00 | 0.25 | 1 | 880-D2100C4-03 | 40.00 | 103.56 | 128.00 | 66.00 | | 0.43 | 88° | 10 | 0.400 | 21500 |
| | | | 63.00 | C5 | 0.80 | 0.00 | 0.25 | 1 | 880-D2100C5-03 | 50.00 | 103.56 | 134.00 | 66.00 | | 0.43 | 88° | 10 | 0.673 | 21500 |
| | | | 63.00 | C6 | 0.80 | 0.00 | 0.25 | 1 | 880-D2100C6-03 | 63.00 | 105.56 | 144.00 | 66.00 | | 0.43 | 88° | 10 | 1.012 | 21500 |
| 22.00 | 04C | 04P | 66.00 | C4 | 0.60 | 0.00 | 0.25 | 1 | 880-D2200C4-03 | 40.00 | 106.55 | 131.00 | 69.00 | | 0.44 | 88° | 10 | 0.438 | 21500 |
| | | | 66.00 | C5 | 0.60 | 0.00 | 0.25 | 1 | 880-D2200C5-03 | 50.00 | 106.55 | 137.00 | 69.00 | | 0.44 | 88° | 10 | 0.688 | 21500 |
| | | | 66.00 | C6 | 0.60 | 0.00 | 0.25 | 1 | 880-D2200C6-03 | 63.00 | 108.55 | 147.00 | 69.00 | | 0.44 | 88° | 10 | 1.029 | 21500 |
| 23.00 | 04C | 04P | 69.00 | C4 | 0.50 | 0.00 | 0.25 | 1 | 880-D2300C4-03 | 40.00 | 110.54 | 135.00 | 72.00 | | 0.45 | 88° | 10 | 0.480 | 21500 |
| | | | 69.00 | C5 | 0.50 | 0.00 | 0.25 | 1 | 880-D2300C5-03 | 50.00 | 110.54 | 141.00 | 72.00 | | 0.45 | 88° | 10 | 0.711 | 21500 |
| | | | 69.00 | C6 | 0.50 | 0.00 | 0.25 | 1 | 880-D2300C6-03 | 63.00 | 112.54 | 151.00 | 72.00 | | 0.45 | 88° | 10 | 1.048 | 21500 |
| 24.00 | 05C | 05P | 72.00 | C4 | 1.10 | 0.00 | 0.25 | 1 | 880-D2400C4-03 | 40.00 | 114.49 | 139.00 | 76.00 | | 0.50 | 88° | 10 | 0.505 | 16000 |
| | | | 72.00 | C5 | 1.10 | 0.00 | 0.25 | 1 | 880-D2400C5-03 | 50.00 | 114.49 | 145.00 | 76.00 | | 0.50 | 88° | 10 | 0.730 | 16000 |
| | | | 72.00 | C6 | 1.10 | 0.00 | 0.25 | 1 | 880-D2400C6-03 | 63.00 | 116.49 | 155.00 | 76.00 | | 0.50 | 88° | 10 | 1.070 | 16000 |

J42 L2 J62 J35 N23 N6 N15



SANDVIK Coromant

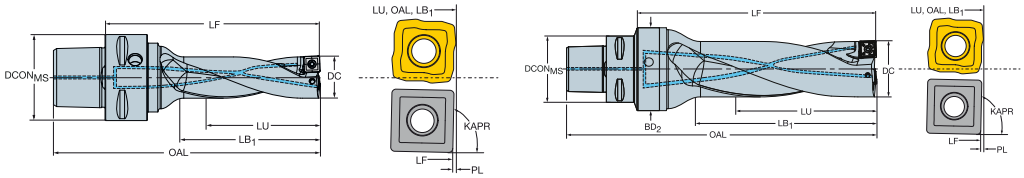
SPA

# Broca de plaquita intercambiable CoroDrill® 880

**Coromant Capto®**

DSGN 1 2






| DC | ▬ | ▬ | LU | CZCMS | ADJLX | TCHAL | TCHAU | DSGN | Código de pedido | Dimensiones, mm DCONMS | LF | OAL | LB1 | BD2 | PL | KAPR | BAR | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25.00 | 05C | 05P | 75.00 | C4 | 1.00 | 0.00 | 0.25 | 1 | 880-D2500C4-03 | 40.00 | 118.48 | 143.00 | 79.00 | | 0.51 | 88° | 10 | 0.526 | 16000 |
| | | | 75.00 | C5 | 1.00 | 0.00 | 0.25 | 1 | 880-D2500C5-03 | 50.00 | 118.48 | 149.00 | 79.00 | | 0.51 | 88° | 10 | 0.760 | 16000 |
| | | | 75.00 | C6 | 1.00 | 0.00 | 0.25 | 1 | 880-D2500C6-03 | 63.00 | 120.48 | 159.00 | 79.00 | | 0.51 | 88° | 10 | 1.099 | 16000 |
| 26.00 | 05C | 05P | 78.00 | C4 | 0.90 | 0.00 | 0.25 | 1 | 880-D2600C4-03 | 40.00 | 121.47 | 146.00 | 81.00 | | 0.52 | 88° | 10 | 0.596 | 16000 |
| | | | 78.00 | C5 | 0.90 | 0.00 | 0.25 | 1 | 880-D2600C5-03 | 50.00 | 121.47 | 152.00 | 81.00 | | 0.52 | 88° | 10 | 0.822 | 16000 |
| | | | 78.00 | C6 | 0.90 | 0.00 | 0.25 | 1 | 880-D2600C6-03 | 63.00 | 123.47 | 162.00 | 81.00 | | 0.52 | 88° | 10 | 1.165 | 16000 |
| 27.00 | 05C | 05P | 81.00 | C4 | 0.70 | 0.00 | 0.25 | 1 | 880-D2700C4-03 | 40.00 | 124.46 | 149.00 | 84.00 | | 0.53 | 88° | 10 | 0.623 | 16000 |
| | | | 81.00 | C5 | 0.70 | 0.00 | 0.25 | 1 | 880-D2700C5-03 | 50.00 | 124.46 | 155.00 | 84.00 | | 0.53 | 88° | 10 | 0.851 | 16000 |
| | | | 81.00 | C6 | 0.70 | 0.00 | 0.25 | 1 | 880-D2700C6-03 | 63.00 | 126.46 | 165.00 | 84.00 | | 0.53 | 88° | 10 | 1.188 | 16000 |
| 28.00 | 05C | 05P | 84.00 | C4 | 0.60 | 0.00 | 0.25 | 1 | 880-D2800C4-03 | 40.00 | 128.46 | 153.00 | 87.00 | | 0.53 | 88° | 10 | 0.665 | 16000 |
| | | | 84.00 | C5 | 0.60 | 0.00 | 0.25 | 1 | 880-D2800C5-03 | 50.00 | 128.46 | 159.00 | 87.00 | | 0.53 | 88° | 10 | 0.897 | 16000 |
| | | | 84.00 | C6 | 0.60 | 0.00 | 0.25 | 1 | 880-D2800C6-03 | 63.00 | 130.46 | 169.00 | 87.00 | | 0.53 | 88° | 10 | 1.229 | 16000 |
| 29.00 | 05C | 05P | 87.00 | C4 | 0.50 | 0.00 | 0.25 | 1 | 880-D2900C4-03 | 40.00 | 131.45 | 156.00 | 90.00 | | 0.54 | 88° | 10 | 0.696 | 16000 |
| | | | 87.00 | C5 | 0.50 | 0.00 | 0.25 | 1 | 880-D2900C5-03 | 50.00 | 131.45 | 162.00 | 90.00 | | 0.54 | 88° | 10 | 0.930 | 16000 |
| | | | 87.00 | C6 | 0.50 | 0.00 | 0.25 | 1 | 880-D2900C6-03 | 63.00 | 133.45 | 172.00 | 90.00 | | 0.54 | 88° | 10 | 1.264 | 16000 |
| 30.00 | 06C | 06P | 90.00 | C4 | 1.12 | 0.00 | 0.25 | 1 | 880-D3000C4-03 | 40.00 | 136.41 | 161.00 | 94.00 | | 0.58 | 88° | 10 | 0.679 | 16000 |
| | | | 90.00 | C5 | 1.12 | 0.00 | 0.25 | 1 | 880-D3000C5-03 | 50.00 | 136.41 | 167.00 | 94.00 | | 0.58 | 88° | 10 | 0.920 | 16000 |
| | | | 90.00 | C6 | 1.12 | 0.00 | 0.25 | 1 | 880-D3000C6-03 | 63.00 | 138.41 | 177.00 | 94.00 | | 0.58 | 88° | 10 | 1.220 | 16000 |
| 31.00 | 06C | 06P | 93.00 | C5 | 0.99 | 0.00 | 0.25 | 1 | 880-D3100C5-03 | 50.00 | 140.40 | 171.00 | 97.00 | | 0.59 | 88° | 10 | 0.998 | 16000 |
| | | | 93.00 | C6 | 0.99 | 0.00 | 0.25 | 1 | 880-D3100C6-03 | 63.00 | 142.40 | 181.00 | 97.00 | | 0.59 | 88° | 10 | 1.350 | 16000 |
| 32.00 | 06C | 06P | 96.00 | C5 | 0.87 | 0.00 | 0.25 | 1 | 880-D3200C5-03 | 50.00 | 143.39 | 174.00 | 100.00 | | 0.60 | 88° | 10 | 1.020 | 16000 |
| | | | 96.00 | C6 | 0.87 | 0.00 | 0.25 | 1 | 880-D3200C6-03 | 63.00 | 145.39 | 184.00 | 100.00 | | 0.60 | 88° | 10 | 1.360 | 16000 |
| 33.00 | 06C | 06P | 99.00 | C5 | 0.75 | 0.00 | 0.25 | 1 | 880-D3300C5-03 | 50.00 | 147.38 | 178.00 | 103.00 | | 0.61 | 88° | 10 | 1.040 | 16000 |
| | | | 99.00 | C6 | 0.75 | 0.00 | 0.25 | 1 | 880-D3300C6-03 | 63.00 | 149.38 | 188.00 | 103.00 | | 0.61 | 88° | 10 | 1.429 | 16000 |
| 34.00 | 06C | 06P | 102.00 | C5 | 0.62 | 0.00 | 0.25 | 1 | 880-D3400C5-03 | 50.00 | 150.37 | 181.00 | 106.00 | | 0.62 | 88° | 10 | 1.060 | 16000 |
| | | | 102.00 | C6 | 0.62 | 0.00 | 0.25 | 1 | 880-D3400C6-03 | 63.00 | 152.37 | 191.00 | 106.00 | | 0.62 | 88° | 10 | 1.465 | 16000 |
| 35.00 | 06C | 06P | 105.00 | C5 | 0.50 | 0.00 | 0.25 | 1 | 880-D3500C5-03 | 50.00 | 154.37 | 185.00 | 109.00 | | 0.62 | 88° | 10 | 1.160 | 16000 |
| | | | 105.00 | C6 | 0.50 | 0.00 | 0.25 | 1 | 880-D3500C6-03 | 63.00 | 156.37 | 195.00 | 109.00 | | 0.62 | 88° | 10 | 1.519 | 16000 |
| 36.00 | 07C | 07P | 108.00 | C5 | 1.38 | 0.00 | 0.25 | 1 | 880-D3600C5-03 | 50.00 | 158.32 | 189.00 | 112.00 | | 0.67 | 88° | 10 | 1.175 | 16000 |
| | | | 108.00 | C6 | 1.38 | 0.00 | 0.25 | 1 | 880-D3600C6-03 | 63.00 | 160.32 | 199.00 | 112.00 | | 0.67 | 88° | 10 | 1.516 | 16000 |
| 37.00 | 07C | 07P | 111.00 | C5 | 1.25 | 0.00 | 0.25 | 1 | 880-D3700C5-03 | 50.00 | 161.31 | 192.00 | 115.00 | | 0.68 | 88° | 10 | 1.213 | 16000 |
| | | | 111.00 | C6 | 1.25 | 0.00 | 0.25 | 1 | 880-D3700C6-03 | 63.00 | 163.31 | 202.00 | 115.00 | | 0.68 | 88° | 10 | 1.560 | 16000 |
| 38.00 | 07C | 07P | 114.00 | C5 | 1.13 | 0.00 | 0.25 | 1 | 880-D3800C5-03 | 50.00 | 165.31 | 196.00 | 118.00 | | 0.68 | 88° | 10 | 1.240 | 16000 |
| | | | 114.00 | C6 | 1.13 | 0.00 | 0.25 | 1 | 880-D3800C6-03 | 63.00 | 167.31 | 206.00 | 118.00 | | 0.68 | 88° | 10 | 1.630 | 16000 |
| 39.00 | 07C | 07P | 117.00 | C5 | 1.00 | 0.00 | 0.25 | 1 | 880-D3900C5-03 | 50.00 | 168.30 | 199.00 | 121.00 | | 0.69 | 88° | 10 | 1.305 | 16000 |
| | | | 117.00 | C6 | 1.00 | 0.00 | 0.25 | 1 | 880-D3900C6-03 | 63.00 | 170.30 | 209.00 | 121.00 | | 0.69 | 88° | 10 | 1.643 | 16000 |
| 40.00 | 07C | 07P | 120.00 | C5 | 0.88 | 0.00 | 0.25 | 1 | 880-D4000C5-03 | 50.00 | 172.29 | 203.00 | 124.00 | | 0.70 | 88° | 10 | 1.370 | 16000 |
| | | | 120.00 | C6 | 0.88 | 0.00 | 0.25 | 1 | 880-D4000C6-03 | 63.00 | 174.29 | 213.00 | 124.00 | | 0.70 | 88° | 10 | 1.716 | 16000 |
| 41.00 | 07C | 07P | 123.00 | C5 | 0.75 | 0.00 | 0.25 | 1 | 880-D4100C5-03 | 50.00 | 176.28 | 207.00 | 127.00 | | 0.71 | 88° | 10 | 1.448 | 16000 |
| | | | 123.00 | C6 | 0.75 | 0.00 | 0.25 | 1 | 880-D4100C6-03 | 63.00 | 178.28 | 217.00 | 127.00 | | 0.71 | 88° | 10 | 1.800 | 16000 |
| 42.00 | 07C | 07P | 126.00 | C5 | 0.63 | 0.00 | 0.25 | 2 | 880-D4200C5-03M1 | 50.00 | 199.27 | 230.00 | 130.00 | 62.50 | 0.72 | 88° | 10 | 2.110 | 16000 |
| | | | 126.00 | C6 | 0.63 | 0.00 | 0.25 | 1 | 880-D4200C6-03M1 | 63.00 | 199.27 | 238.00 | 130.00 | | 0.72 | 88° | 10 | 2.418 | 16000 |
| 43.00 | 07C | 07P | 129.00 | C5 | 0.50 | 0.00 | 0.25 | 2 | 880-D4300C5-03M1 | 50.00 | 203.30 | 234.00 | 133.00 | 62.50 | 0.69 | 88° | 10 | 2.139 | 16000 |
| | | | 129.00 | C6 | 0.50 | 0.00 | 0.25 | 1 | 880-D4300C6-03M1 | 63.00 | 203.30 | 242.00 | 133.00 | | 0.69 | 88° | 10 | 2.458 | 16000 |

| DC | ▬ | Piezas de repuesto Tornillo de plaquita |
|---|---|---|
| 12.70-16.00 | 01-02 | 5513 020-28 |
| 16.50-19.50 | 03 | 5513 020-33 |
| 20.00-23.00 | 04 | 5513 020-58 |
| 24.00-29.00 | 05 | 5513 020-57 |
| 30.00-42.00 | 06-07 | 416.1-833 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

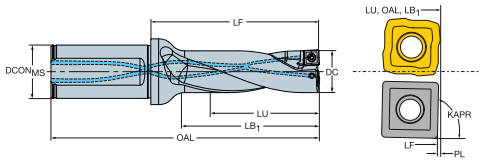
J42 L2 J62 J35 N23 N6 N15

# Broca de plaquita intercambiable CoroDrill® 880

**Mango cilíndrico con plano de apriete, según ISO 9766**

**Suministro de refrigerante interior**






| | | | Dimensiones, mm | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DC | | | LU | $CZC_{MS}$ | ADJLX | TCHAL | TCHAU | Código de pedido | $DCON_{MS}$ | LF | OAL | $LB_1$ | PL | KAPR | BAR | KG | RPMX |
| 12.00 | 01C | 01P | 24.00 | 20 | 0.25 | 0.00 | 0.25 | 880-D1200L20-02 | 20.00 | 38.61 | 89.00 | 27.00 | 0.38 | 79° | 10 | 0.189 | 33000 |
| | | | 36.00 | 20 | 0.25 | 0.00 | 0.25 | 880-D1200L20-03 | 20.00 | 50.61 | 101.00 | 39.00 | 0.38 | 79° | 10 | 0.200 | 33000 |
| 12.50 | 01C | 01P | 25.00 | 20 | 0.25 | 0.00 | 0.25 | 880-D1250L20-02 | 20.00 | 40.61 | 91.00 | 28.00 | 0.38 | 79° | 10 | 0.200 | 33000 |
| | | | 38.00 | 20 | 0.25 | 0.00 | 0.25 | 880-D1250L20-03 | 20.00 | 52.61 | 103.00 | 40.00 | 0.38 | 79° | 10 | 0.198 | 33000 |
| 12.70 | 01C | 01P | 25.00 | 20 | 0.25 | 0.00 | 0.25 | 880-D1270L20-02 | 20.00 | 40.61 | 91.00 | 28.00 | 0.38 | 79° | 10 | 0.200 | 33000 |
| | | | 38.00 | 20 | 0.25 | 0.00 | 0.25 | 880-D1270L20-03 | 20.00 | 53.61 | 104.00 | 41.00 | 0.38 | 79° | 10 | 0.200 | 33000 |
| 13.00 | 01C | 01P | 26.00 | 20 | 0.25 | 0.00 | 0.25 | 880-D1300L20-02 | 20.00 | 41.61 | 92.00 | 29.00 | 0.38 | 79° | 10 | 0.194 | 33000 |
| | | | 39.00 | 20 | 0.25 | 0.00 | 0.25 | 880-D1300L20-03 | 20.00 | 54.61 | 105.00 | 42.00 | 0.38 | 79° | 10 | 0.202 | 33000 |
| 13.50 | 01C | 01P | 27.00 | 20 | 0.25 | 0.00 | 0.25 | 880-D1350L20-02 | 20.00 | 42.61 | 93.00 | 30.00 | 0.38 | 79° | 10 | 0.200 | 33000 |
| | | | 41.00 | 20 | 0.25 | 0.00 | 0.25 | 880-D1350L20-03 | 20.00 | 55.61 | 106.00 | 43.00 | 0.38 | 79° | 10 | 0.204 | 33000 |
| 14.00 | 02C | 02P | 28.00 | 20 | 0.50 | 0.00 | 0.25 | 880-D1400L20-02 | 20.00 | 43.67 | 94.00 | 31.00 | 0.32 | 88° | 10 | 0.200 | 33000 |
| | | | 42.00 | 20 | 0.50 | 0.00 | 0.25 | 880-D1400L20-03 | 20.00 | 57.67 | 108.00 | 45.00 | 0.32 | 88° | 10 | 0.211 | 33000 |
| 14.50 | 02C | 02P | 29.00 | 20 | 0.45 | 0.00 | 0.25 | 880-D1450L20-02 | 20.00 | 45.67 | 96.00 | 32.00 | 0.32 | 88° | 10 | 0.210 | 33000 |
| | | | 44.00 | 20 | 0.45 | 0.00 | 0.25 | 880-D1450L20-03 | 20.00 | 59.67 | 110.00 | 46.00 | 0.32 | 88° | 10 | 0.217 | 33000 |
| 15.00 | 02C | 02P | 30.00 | 20 | 0.40 | 0.00 | 0.25 | 880-D1500L20-02 | 20.00 | 46.67 | 97.00 | 33.00 | 0.32 | 88° | 10 | 0.212 | 33000 |
| | | | 45.00 | 20 | 0.40 | 0.00 | 0.25 | 880-D1500L20-03 | 20.00 | 61.67 | 112.00 | 48.00 | 0.32 | 88° | 10 | 0.210 | 33000 |
| 15.50 | 02C | 02P | 31.00 | 20 | 0.30 | 0.00 | 0.25 | 880-D1550L20-02 | 20.00 | 48.66 | 99.00 | 35.00 | 0.33 | 88° | 10 | 0.208 | 33000 |
| | | | 47.00 | 20 | 0.30 | 0.00 | 0.25 | 880-D1550L20-03 | 20.00 | 63.66 | 114.00 | 50.00 | 0.33 | 88° | 10 | 0.225 | 33000 |
| 16.00 | 02C | 02P | 32.00 | 20 | 0.30 | 0.00 | 0.25 | 880-D1600L20-02 | 20.00 | 50.66 | 101.00 | 36.00 | 0.33 | 88° | 10 | 0.215 | 33000 |
| | | | 48.00 | 20 | 0.30 | 0.00 | 0.25 | 880-D1600L20-03 | 20.00 | 65.66 | 116.00 | 51.00 | 0.33 | 88° | 10 | 0.229 | 33000 |
| 16.50 | 03C | 03P | 33.00 | 20 | 0.60 | 0.00 | 0.25 | 880-D1650L20-02 | 20.00 | 51.63 | 102.00 | 37.00 | 0.36 | 88° | 10 | 0.224 | 33000 |
| | | | 50.00 | 20 | 0.60 | 0.00 | 0.25 | 880-D1650L20-03 | 20.00 | 67.63 | 118.00 | 53.00 | 0.36 | 88° | 10 | 0.235 | 30000 |
| 17.00 | 03C | 03P | 34.00 | 20 | 0.60 | 0.00 | 0.25 | 880-D1700L20-02 | 20.00 | 52.63 | 103.00 | 38.00 | 0.36 | 88° | 10 | 0.225 | 33000 |
| | | | 51.00 | 20 | 0.60 | 0.00 | 0.25 | 880-D1700L20-03 | 20.00 | 68.63 | 119.00 | 54.00 | 0.36 | 88° | 10 | 0.232 | 30000 |
| 17.50 | 03C | 03P | 35.00 | 25 | 0.50 | 0.00 | 0.25 | 880-D1750L25-02 | 25.00 | 54.62 | 111.00 | 39.00 | 0.37 | 88° | 10 | 0.347 | 33000 |
| | | | 53.00 | 25 | 0.50 | 0.00 | 0.25 | 880-D1750L25-03 | 25.00 | 71.62 | 128.00 | 56.00 | 0.37 | 88° | 10 | 0.362 | 30000 |
| 18.00 | 03C | 03P | 36.00 | 25 | 0.40 | 0.00 | 0.25 | 880-D1800L25-02 | 25.00 | 55.62 | 112.00 | 40.00 | 0.37 | 88° | 10 | 0.352 | 33000 |
| | | | 54.00 | 25 | 0.40 | 0.00 | 0.25 | 880-D1800L25-03 | 25.00 | 72.62 | 129.00 | 57.00 | 0.37 | 88° | 10 | 0.363 | 30000 |
| 18.50 | 03C | 03P | 37.00 | 25 | 0.40 | 0.00 | 0.25 | 880-D1850L25-02 | 25.00 | 56.62 | 113.00 | 41.00 | 0.37 | 88° | 10 | 0.354 | 33000 |
| | | | 56.00 | 25 | 0.40 | 0.00 | 0.25 | 880-D1850L25-03 | 25.00 | 74.62 | 131.00 | 59.00 | 0.37 | 88° | 10 | 0.369 | 30000 |
| 19.00 | 03C | 03P | 38.00 | 25 | 0.30 | 0.00 | 0.25 | 880-D1900L25-02 | 25.00 | 57.61 | 114.00 | 42.00 | 0.38 | 88° | 10 | 0.359 | 33000 |
| | | | 57.00 | 25 | 0.30 | 0.00 | 0.25 | 880-D1900L25-03 | 25.00 | 75.61 | 132.00 | 60.00 | 0.38 | 88° | 10 | 0.375 | 30000 |
| 19.50 | 03C | 03P | 39.00 | 25 | 0.30 | 0.00 | 0.25 | 880-D1950L25-02 | 25.00 | 59.61 | 116.00 | 43.00 | 0.38 | 88° | 10 | 0.371 | 33000 |
| | | | 59.00 | 25 | 0.30 | 0.00 | 0.25 | 880-D1950L25-03 | 25.00 | 78.61 | 135.00 | 62.00 | 0.38 | 88° | 10 | 0.387 | 30000 |
| 20.00 | 04C | 04P | 40.00 | 25 | 0.90 | 0.00 | 0.25 | 880-D2000L25-02 | 25.00 | 60.56 | 117.00 | 44.00 | 0.43 | 88° | 10 | 0.367 | 21500 |
| | | | 60.00 | 25 | 0.90 | 0.00 | 0.25 | 880-D2000L25-03 | 25.00 | 80.56 | 137.00 | 64.00 | 0.43 | 88° | 10 | 0.340 | 21500 |
| 20.50 | 04C | 04P | 62.00 | 25 | 0.80 | 0.00 | 0.25 | 880-D2050L25-03 | 25.00 | 81.56 | 138.00 | 65.00 | 0.43 | 88° | 10 | 0.392 | 21500 |
| 20.90 | 04C | 04P | 63.00 | 25 | 0.80 | 0.00 | 0.25 | 880-D2090L25-03 | 25.00 | 83.56 | 140.00 | 66.00 | 0.43 | 88° | 10 | 0.412 | 21500 |
| 21.00 | 04C | 04P | 42.00 | 25 | 0.80 | 0.00 | 0.25 | 880-D2100L25-02 | 25.00 | 63.56 | 120.00 | 46.00 | 0.43 | 88° | 10 | 0.382 | 21500 |
| | | | 63.00 | 25 | 0.80 | 0.00 | 0.25 | 880-D2100L25-03 | 25.00 | 83.56 | 140.00 | 66.00 | 0.43 | 88° | 10 | 0.396 | 21500 |
| 21.50 | 04C | 04P | 65.00 | 25 | 0.70 | 0.00 | 0.25 | 880-D2150L25-03 | 25.00 | 85.55 | 142.00 | 68.00 | 0.44 | 88° | 10 | 0.404 | 21500 |
| 22.00 | 04C | 04P | 44.00 | 25 | 0.60 | 0.00 | 0.25 | 880-D2200L25-02 | 25.00 | 65.55 | 122.00 | 48.00 | 0.44 | 88° | 10 | 0.367 | 21500 |
| | | | 66.00 | 25 | 0.60 | 0.00 | 0.25 | 880-D2200L25-03 | 25.00 | 86.55 | 143.00 | 69.00 | 0.44 | 88° | 10 | 0.423 | 21500 |
| 22.50 | 04C | 04P | 68.00 | 25 | 0.50 | 0.00 | 0.25 | 880-D2250L25-03 | 25.00 | 89.54 | 146.00 | 71.00 | 0.45 | 88° | 10 | 0.432 | 21500 |
| 23.00 | 04C | 04P | 46.00 | 25 | 0.50 | 0.00 | 0.25 | 880-D2300L25-02 | 25.00 | 68.54 | 125.00 | 50.00 | 0.45 | 88° | 10 | 0.403 | 21500 |
| | | | 69.00 | 25 | 0.50 | 0.00 | 0.25 | 880-D2300L25-03 | 25.00 | 90.54 | 147.00 | 72.00 | 0.45 | 88° | 10 | 0.448 | 21500 |
| 23.50 | 04C | 04P | 71.00 | 25 | 0.40 | 0.00 | 0.25 | 880-D2350L25-03 | 25.00 | 92.54 | 149.00 | 74.00 | 0.45 | 88° | 10 | 0.443 | 21500 |
| 23.90 | 04C | 04P | 72.00 | 25 | 0.30 | 0.00 | 0.25 | 880-D2390L25-03 | 25.00 | 94.53 | 151.00 | 76.00 | 0.46 | 88° | 10 | 0.465 | 21500 |
| 24.00 | 05C | 05P | 48.00 | 25 | 1.10 | 0.00 | 0.25 | 880-D2400L25-02 | 25.00 | 70.49 | 127.00 | 52.00 | 0.50 | 88° | 10 | 0.340 | 16000 |
| | | | 72.00 | 25 | 1.10 | 0.00 | 0.25 | 880-D2400L25-03 | 25.00 | 94.49 | 151.00 | 76.00 | 0.50 | 88° | 10 | 0.400 | 16000 |
| 24.50 | 05C | 05P | 74.00 | 25 | 1.00 | 0.00 | 0.25 | 880-D2450L25-03 | 25.00 | 96.49 | 153.00 | 77.00 | 0.50 | 88° | 10 | 0.480 | 16000 |
| 25.00 | 05C | 05P | 50.00 | 25 | 1.00 | 0.00 | 0.25 | 880-D2500L25-02 | 25.00 | 73.48 | 130.00 | 54.00 | 0.51 | 88° | 10 | 0.400 | 16000 |
| | | | 75.00 | 25 | 1.00 | 0.00 | 0.25 | 880-D2500L25-03 | 25.00 | 98.48 | 155.00 | 79.00 | 0.51 | 88° | 10 | 0.460 | 16000 |

J42 L2 J62 J35 N23 N6 N15



SANDVIK Coromant

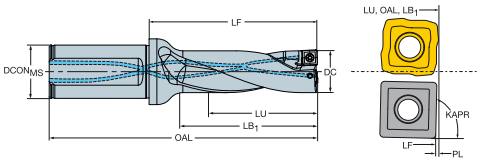
SPA

# Broca de plaquita intercambiable CoroDrill® 880

**Mango cilíndrico con plano de apriete, según ISO 9766**

**Suministro de refrigerante interior**






| DC | | | LU | CZC$_{MS}$ | ADJLX | TCHAL | TCHAU | Código de pedido | Dimensiones, mm DCON$_{MS}$ | LF | OAL | LB$_1$ | PL | KAPR | BAR | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25.50 | 05C | 05P | 77.00 | 25 | 0.90 | 0.00 | 0.25 | 880-D2550L25-03 | 25.00 | 99.48 | 156.00 | 80.00 | 0.51 | 88° | 10 | 0.501 | 16000 |
| 26.00 | 05C | 05P | 52.00 | 32 | 0.90 | 0.00 | 0.25 | 880-D2600L32-02 | 32.00 | 76.47 | 137.00 | 56.00 | 0.52 | 88° | 10 | 0.650 | 16000 |
| | | | 78.00 | 32 | 0.90 | 0.00 | 0.25 | 880-D2600L32-03 | 32.00 | 101.47 | 162.00 | 81.00 | 0.52 | 88° | 10 | 0.700 | 16000 |
| 26.40 | 05C | 05P | 79.00 | 32 | 0.80 | 0.00 | 0.25 | 880-D2640L32-03 | 32.00 | 103.47 | 164.00 | 83.00 | 0.52 | 88° | 10 | 0.707 | 16000 |
| 26.50 | 05C | 05P | 80.00 | 32 | 0.80 | 0.00 | 0.25 | 880-D2650L32-03 | 32.00 | 103.47 | 164.00 | 83.00 | 0.52 | 88° | 10 | 0.717 | 16000 |
| 27.00 | 05C | 05P | 54.00 | 32 | 0.70 | 0.00 | 0.25 | 880-D2700L32-02 | 32.00 | 78.46 | 139.00 | 58.00 | 0.53 | 88° | 10 | 0.669 | 16000 |
| | | | 81.00 | 32 | 0.70 | 0.00 | 0.25 | 880-D2700L32-03 | 32.00 | 104.46 | 165.00 | 84.00 | 0.53 | 88° | 10 | 0.724 | 16000 |
| 27.50 | 05C | 05P | 83.00 | 32 | 0.60 | 0.00 | 0.25 | 880-D2750L32-03 | 32.00 | 107.46 | 168.00 | 86.00 | 0.53 | 88° | 10 | 0.761 | 16000 |
| 28.00 | 05C | 05P | 56.00 | 32 | 0.60 | 0.00 | 0.25 | 880-D2800L32-02 | 32.00 | 81.46 | 142.00 | 60.00 | 0.53 | 88° | 10 | 0.693 | 16000 |
| | | | 84.00 | 32 | 0.60 | 0.00 | 0.25 | 880-D2800L32-03 | 32.00 | 108.46 | 169.00 | 87.00 | 0.53 | 88° | 10 | 0.755 | 16000 |
| 28.50 | 05C | 05P | 86.00 | 32 | 0.50 | 0.00 | 0.25 | 880-D2850L32-03 | 32.00 | 110.45 | 171.00 | 89.00 | 0.54 | 88° | 10 | 0.770 | 16000 |
| 29.00 | 05C | 05P | 58.00 | 32 | 0.50 | 0.00 | 0.25 | 880-D2900L32-02 | 32.00 | 83.45 | 144.00 | 62.00 | 0.54 | 88° | 10 | 0.710 | 16000 |
| | | | 87.00 | 32 | 0.50 | 0.00 | 0.25 | 880-D2900L32-03 | 32.00 | 111.45 | 172.00 | 90.00 | 0.54 | 88° | 10 | 0.784 | 16000 |
| 29.40 | 05C | 05P | 88.00 | 32 | 0.40 | 0.00 | 0.25 | 880-D2940L32-03 | 32.00 | 114.44 | 175.00 | 92.00 | 0.55 | 88° | 10 | 0.845 | 16000 |
| 29.50 | 05C | 05P | 89.00 | 32 | 0.40 | 0.00 | 0.25 | 880-D2950L32-03 | 32.00 | 114.44 | 175.00 | 92.00 | 0.55 | 88° | 10 | 0.809 | 16000 |
| 30.00 | 06C | 06P | 60.00 | 32 | 1.12 | 0.00 | 0.25 | 880-D3000L32-02 | 32.00 | 86.41 | 147.00 | 64.00 | 0.58 | 88° | 10 | 0.699 | 16000 |
| | | | 90.00 | 32 | 1.12 | 0.00 | 0.25 | 880-D3000L32-03 | 32.00 | 116.41 | 177.00 | 94.00 | 0.58 | 88° | 10 | 0.790 | 16000 |
| 30.50 | 06C | 06P | 92.00 | 32 | 1.05 | 0.00 | 0.25 | 880-D3050L32-03 | 32.00 | 117.40 | 178.00 | 95.00 | 0.59 | 88° | 10 | 0.800 | 16000 |
| 31.00 | 06C | 06P | 62.00 | 40 | 0.99 | 0.00 | 0.25 | 880-D3100L40-02 | 40.00 | 89.40 | 160.00 | 66.00 | 0.59 | 88° | 10 | 1.136 | 16000 |
| | | | 93.00 | 40 | 0.99 | 0.00 | 0.25 | 880-D3100L40-03 | 40.00 | 120.40 | 191.00 | 97.00 | 0.59 | 88° | 10 | 1.210 | 16000 |
| 31.50 | 06C | 06P | 95.00 | 40 | 0.93 | 0.00 | 0.25 | 880-D3150L40-03 | 40.00 | 121.39 | 192.00 | 98.00 | 0.60 | 88° | 10 | 1.230 | 16000 |
| 32.00 | 06C | 06P | 64.00 | 40 | 0.87 | 0.00 | 0.25 | 880-D3200L40-02 | 40.00 | 91.39 | 162.00 | 68.00 | 0.60 | 88° | 10 | 1.156 | 16000 |
| | | | 96.00 | 40 | 0.87 | 0.00 | 0.25 | 880-D3200L40-03 | 40.00 | 123.39 | 194.00 | 100.00 | 0.60 | 88° | 10 | 1.252 | 16000 |
| 32.50 | 06C | 06P | 98.00 | 40 | 0.81 | 0.00 | 0.25 | 880-D3250L40-03 | 40.00 | 125.39 | 196.00 | 101.00 | 0.60 | 88° | 10 | 1.278 | 16000 |
| 33.00 | 06C | 06P | 66.00 | 40 | 0.75 | 0.00 | 0.25 | 880-D3300L40-02 | 40.00 | 94.38 | 165.00 | 70.00 | 0.61 | 88° | 10 | 1.200 | 16000 |
| | | | 99.00 | 40 | 0.75 | 0.00 | 0.25 | 880-D3300L40-03 | 40.00 | 127.38 | 198.00 | 103.00 | 0.61 | 88° | 10 | 1.303 | 16000 |
| 33.50 | 06C | 06P | 101.00 | 40 | 0.68 | 0.00 | 0.25 | 880-D3350L40-03 | 40.00 | 129.38 | 200.00 | 105.00 | 0.61 | 88° | 10 | 1.317 | 16000 |
| 34.00 | 06C | 06P | 68.00 | 40 | 0.62 | 0.00 | 0.25 | 880-D3400L40-02 | 40.00 | 97.37 | 168.00 | 73.00 | 0.62 | 88° | 10 | 1.227 | 16000 |
| | | | 102.00 | 40 | 0.62 | 0.00 | 0.25 | 880-D3400L40-03 | 40.00 | 130.37 | 201.00 | 106.00 | 0.62 | 88° | 10 | 1.340 | 16000 |
| 34.50 | 06C | 06P | 104.00 | 40 | 0.56 | 0.00 | 0.25 | 880-D3450L40-03 | 40.00 | 133.37 | 204.00 | 108.00 | 0.62 | 88° | 10 | 1.380 | 16000 |
| 35.00 | 06C | 06P | 70.00 | 40 | 0.50 | 0.00 | 0.25 | 880-D3500L40-02 | 40.00 | 100.37 | 171.00 | 75.00 | 0.62 | 88° | 10 | 1.270 | 16000 |
| | | | 105.00 | 40 | 0.50 | 0.00 | 0.25 | 880-D3500L40-03 | 40.00 | 134.37 | 205.00 | 109.00 | 0.62 | 88° | 10 | 1.400 | 16000 |
| 35.50 | 06C | 06P | 107.00 | 40 | 0.44 | 0.00 | 0.25 | 880-D3550L40-03 | 40.00 | 136.36 | 207.00 | 111.00 | 0.63 | 88° | 10 | 1.415 | 16000 |
| 36.00 | 07C | 07P | 72.00 | 40 | 1.38 | 0.00 | 0.25 | 880-D3600L40-02 | 40.00 | 103.32 | 174.00 | 77.00 | 0.67 | 88° | 10 | 1.280 | 16000 |
| | | | 108.00 | 40 | 1.38 | 0.00 | 0.25 | 880-D3600L40-03 | 40.00 | 138.32 | 209.00 | 112.00 | 0.67 | 88° | 10 | 1.397 | 16000 |
| 37.00 | 07C | 07P | 74.00 | 40 | 1.25 | 0.00 | 0.25 | 880-D3700L40-02 | 40.00 | 104.31 | 175.00 | 78.00 | 0.68 | 88° | 10 | 1.300 | 16000 |
| | | | 111.00 | 40 | 1.25 | 0.00 | 0.25 | 880-D3700L40-03 | 40.00 | 141.31 | 212.00 | 115.00 | 0.68 | 88° | 10 | 1.446 | 16000 |
| 38.00 | 07C | 07P | 76.00 | 40 | 1.13 | 0.00 | 0.25 | 880-D3800L40-02 | 40.00 | 107.31 | 178.00 | 80.00 | 0.68 | 88° | 10 | 1.349 | 16000 |
| | | | 114.00 | 40 | 1.13 | 0.00 | 0.25 | 880-D3800L40-03 | 40.00 | 145.31 | 216.00 | 118.00 | 0.68 | 88° | 10 | 1.480 | 16000 |
| 39.00 | 07C | 07P | 78.00 | 40 | 1.00 | 0.00 | 0.25 | 880-D3900L40-02 | 40.00 | 109.30 | 180.00 | 82.00 | 0.69 | 88° | 10 | 1.366 | 16000 |
| | | | 117.00 | 40 | 1.00 | 0.00 | 0.25 | 880-D3900L40-03 | 40.00 | 148.30 | 219.00 | 121.00 | 0.69 | 88° | 10 | 1.535 | 16000 |
| 40.00 | 07C | 07P | 80.00 | 40 | 0.88 | 0.00 | 0.25 | 880-D4000L40-02 | 40.00 | 112.29 | 183.00 | 84.00 | 0.70 | 88° | 10 | 1.413 | 16000 |
| | | | 120.00 | 40 | 0.88 | 0.00 | 0.25 | 880-D4000L40-03 | 40.00 | 152.29 | 223.00 | 124.00 | 0.70 | 88° | 10 | 1.603 | 16000 |
| 41.00 | 07C | 07P | 82.00 | 40 | 0.75 | 0.00 | 0.25 | 880-D4100L40-02 | 40.00 | 116.28 | 187.00 | 87.00 | 0.71 | 88° | 10 | 1.480 | 16000 |
| | | | 123.00 | 40 | 0.75 | 0.00 | 0.25 | 880-D4100L40-03 | 40.00 | 156.28 | 227.00 | 127.00 | 0.71 | 88° | 10 | 1.690 | 16000 |
| 42.00 | 07C | 07P | 84.00 | 40 | 0.63 | 0.00 | 0.25 | 880-D4200L40-02 | 40.00 | 118.27 | 189.00 | 89.00 | 0.72 | 88° | 10 | 1.505 | 16000 |
| | | | 126.00 | 40 | 0.63 | 0.00 | 0.25 | 880-D4200L40-03 | 40.00 | 159.27 | 230.00 | 130.00 | 0.72 | 88° | 10 | 1.740 | 16000 |
| 43.00 | 07C | 07P | 86.00 | 40 | 0.50 | 0.00 | 0.25 | 880-D4300L40-02 | 40.00 | 121.26 | 192.00 | 91.00 | 0.73 | 88° | 10 | 1.510 | 16000 |
| | | | 129.00 | 40 | 0.50 | 0.00 | 0.25 | 880-D4300L40-03 | 40.00 | 163.26 | 234.00 | 133.00 | 0.73 | 88° | 10 | 1.730 | 16000 |
| 44.00 | 08C | 08P | 88.00 | 40 | 1.50 | 0.00 | 0.28 | 880-D4400L40-02 | 40.00 | 123.23 | 194.00 | 93.00 | 0.76 | 88° | 10 | 1.510 | 15000 |
| | | | 132.00 | 40 | 1.50 | 0.00 | 0.28 | 880-D4400L40-03 | 40.00 | 166.23 | 237.00 | 136.00 | 0.76 | 88° | 10 | 1.720 | 15000 |
| 45.00 | 08C | 08P | 90.00 | 40 | 1.40 | 0.00 | 0.28 | 880-D4500L40-02 | 40.00 | 126.22 | 197.00 | 95.00 | 0.77 | 88° | 10 | 1.560 | 15000 |
| | | | 135.00 | 40 | 1.40 | 0.00 | 0.28 | 880-D4500L40-03 | 40.00 | 171.22 | 242.00 | 140.00 | 0.77 | 88° | 10 | 1.800 | 15000 |

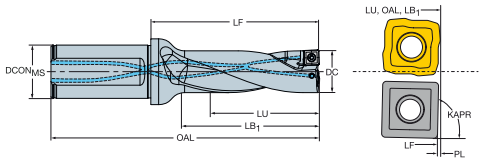
J42 L2 J62 J35 N23 N6 N15

# Broca de plaquita intercambiable CoroDrill® 880

**Mango cilíndrico con plano de apriete, según ISO 9766**

**Suministro de refrigerante interior**






| | | | | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DC | | | LU | $CZC_{MS}$ | ADJLX | TCHAL | TCHAU | **Código de pedido** | $DCON_{MS}$ | LF | OAL | $LB_1$ | PL | KAPR | BAR | KG | RPMX |
| 46.00 | 08C | 08P | 92.00 | 40 | 1.30 | 0.00 | 0.28 | **880-D4600L40-02** | 40.00 | 129.22 | 200.00 | 97.00 | 0.78 | 88° | 10 | 1.610 | 15000 |
| | | | 138.00 | 40 | 1.30 | 0.00 | 0.28 | **880-D4600L40-03** | 40.00 | 175.22 | 246.00 | 143.00 | 0.78 | 88° | 10 | 1.881 | 15000 |
| 47.00 | 08C | 08P | 94.00 | 40 | 1.10 | 0.00 | 0.28 | **880-D4700L40-02** | 40.00 | 131.21 | 202.00 | 99.00 | 0.78 | 88° | 10 | 1.800 | 15000 |
| | | | 141.00 | 40 | 1.10 | 0.00 | 0.28 | **880-D4700L40-03** | 40.00 | 178.21 | 249.00 | 146.00 | 0.78 | 88° | 10 | 2.140 | 15000 |
| 48.00 | 08C | 08P | 96.00 | 40 | 1.00 | 0.00 | 0.28 | **880-D4800L40-02** | 40.00 | 134.20 | 205.00 | 101.00 | 0.79 | 88° | 10 | 1.925 | 15000 |
| | | | 144.00 | 40 | 1.00 | 0.00 | 0.28 | **880-D4800L40-03** | 40.00 | 182.20 | 253.00 | 149.00 | 0.79 | 88° | 10 | 2.235 | 15000 |
| 49.00 | 08C | 08P | 98.00 | 40 | 0.90 | 0.00 | 0.28 | **880-D4900L40-02** | 40.00 | 136.19 | 207.00 | 103.00 | 0.80 | 88° | 10 | 1.970 | 15000 |
| | | | 147.00 | 40 | 0.90 | 0.00 | 0.28 | **880-D4900L40-03** | 40.00 | 185.19 | 256.00 | 152.00 | 0.80 | 88° | 10 | 2.275 | 15000 |
| 50.00 | 08C | 08P | 100.00 | 40 | 0.80 | 0.00 | 0.28 | **880-D5000L40-02** | 40.00 | 139.18 | 210.00 | 105.00 | 0.81 | 88° | 10 | 2.031 | 15000 |
| | | | 150.00 | 40 | 0.80 | 0.00 | 0.28 | **880-D5000L40-03** | 40.00 | 189.18 | 260.00 | 155.00 | 0.81 | 88° | 10 | 2.430 | 15000 |
| 51.00 | 08C | 08P | 102.00 | 40 | 0.60 | 0.00 | 0.28 | **880-D5100L40-02** | 40.00 | 143.18 | 214.00 | 108.00 | 0.82 | 88° | 10 | 2.110 | 15000 |
| | | | 153.00 | 40 | 0.60 | 0.00 | 0.28 | **880-D5100L40-03** | 40.00 | 193.18 | 264.00 | 158.00 | 0.82 | 88° | 10 | 2.480 | 15000 |
| 52.00 | 08C | 08P | 104.00 | 40 | 0.50 | 0.00 | 0.28 | **880-D5200L40-02** | 40.00 | 145.17 | 216.00 | 110.00 | 0.82 | 88° | 10 | 2.180 | 15000 |
| | | | 156.00 | 40 | 0.50 | 0.00 | 0.28 | **880-D5200L40-03** | 40.00 | 196.17 | 267.00 | 161.00 | 0.82 | 88° | 10 | 2.595 | 15000 |
| 53.00 | 09C | 09P | 106.00 | 40 | 2.00 | 0.00 | 0.30 | **880-D5300L40-02** | 40.00 | 148.12 | 219.00 | 112.00 | 0.87 | 88° | 10 | 2.307 | 5000 |
| | | | 159.00 | 40 | 2.00 | 0.00 | 0.30 | **880-D5300L40-03** | 40.00 | 200.12 | 271.00 | 164.00 | 0.87 | 88° | 10 | 2.600 | 5000 |
| 54.00 | 09C | 09P | 108.00 | 40 | 1.90 | 0.00 | 0.30 | **880-D5400L40-02** | 40.00 | 150.11 | 221.00 | 114.00 | 0.88 | 88° | 10 | 2.380 | 5000 |
| | | | 162.00 | 40 | 1.90 | 0.00 | 0.30 | **880-D5400L40-03** | 40.00 | 203.11 | 274.00 | 167.00 | 0.88 | 88° | 10 | 2.714 | 5000 |
| 55.00 | 09C | 09P | 110.00 | 40 | 1.70 | 0.00 | 0.30 | **880-D5500L40-02** | 40.00 | 153.10 | 224.00 | 116.00 | 0.89 | 88° | 10 | 2.349 | 5000 |
| | | | 165.00 | 40 | 1.70 | 0.00 | 0.30 | **880-D5500L40-03** | 40.00 | 208.10 | 279.00 | 171.00 | 0.89 | 88° | 10 | 2.850 | 5000 |
| 56.00 | 09C | 09P | 112.00 | 40 | 1.60 | 0.00 | 0.30 | **880-D5600L40-02** | 40.00 | 156.10 | 227.00 | 118.00 | 0.89 | 88° | 10 | 2.451 | 5000 |
| | | | 168.00 | 40 | 1.60 | 0.00 | 0.30 | **880-D5600L40-03** | 40.00 | 212.10 | 283.00 | 174.00 | 0.89 | 88° | 10 | 2.977 | 5000 |
| 57.00 | 09C | 09P | 114.00 | 40 | 1.50 | 0.00 | 0.30 | **880-D5700L40-02** | 40.00 | 158.09 | 229.00 | 120.00 | 0.90 | 88° | 10 | 2.530 | 5000 |
| | | | 171.00 | 40 | 1.50 | 0.00 | 0.30 | **880-D5700L40-03** | 40.00 | 215.09 | 286.00 | 177.00 | 0.90 | 88° | 10 | 3.120 | 5000 |
| 58.00 | 09C | 09P | 116.00 | 40 | 1.40 | 0.00 | 0.30 | **880-D5800L40-02** | 40.00 | 161.08 | 232.00 | 122.00 | 0.91 | 88° | 10 | 2.650 | 5000 |
| | | | 174.00 | 40 | 1.40 | 0.00 | 0.30 | **880-D5800L40-03** | 40.00 | 219.08 | 290.00 | 180.00 | 0.91 | 88° | 10 | 3.593 | 5000 |
| 59.00 | 09C | 09P | 118.00 | 40 | 1.20 | 0.00 | 0.30 | **880-D5900L40-02** | 40.00 | 163.07 | 234.00 | 124.00 | 0.92 | 88° | 10 | 2.703 | 5000 |
| | | | 177.00 | 40 | 1.20 | 0.00 | 0.30 | **880-D5900L40-03** | 40.00 | 222.07 | 293.00 | 183.00 | 0.92 | 88° | 10 | 3.346 | 5000 |
| 60.00 | 09C | 09P | 120.00 | 40 | 1.10 | 0.00 | 0.30 | **880-D6000L40-02** | 40.00 | 166.06 | 237.00 | 126.00 | 0.93 | 88° | 10 | 2.820 | 5000 |
| | | | 180.00 | 40 | 1.10 | 0.00 | 0.30 | **880-D6000L40-03** | 40.00 | 226.06 | 297.00 | 186.00 | 0.93 | 88° | 10 | 3.570 | 5000 |
| 61.00 | 09C | 09P | 122.00 | 40 | 1.00 | 0.00 | 0.30 | **880-D6100L40-02** | 40.00 | 170.06 | 241.00 | 129.00 | 0.93 | 88° | 10 | 3.032 | 5000 |
| | | | 183.00 | 40 | 1.00 | 0.00 | 0.30 | **880-D6100L40-03** | 40.00 | 231.06 | 302.00 | 190.00 | 0.93 | 88° | 10 | 4.039 | 5000 |
| 62.00 | 09C | 09P | 124.00 | 40 | 0.80 | 0.00 | 0.30 | **880-D6200L40-02** | 40.00 | 172.05 | 243.00 | 131.00 | 0.94 | 88° | 10 | 3.020 | 5000 |
| | | | 186.00 | 40 | 0.80 | 0.00 | 0.30 | **880-D6200L40-03** | 40.00 | 234.05 | 305.00 | 193.00 | 0.94 | 88° | 10 | 4.115 | 5000 |
| 63.00 | 09C | 09P | 126.00 | 40 | 0.70 | 0.00 | 0.30 | **880-D6300L40-02** | 40.00 | 175.04 | 246.00 | 133.00 | 0.95 | 88° | 10 | 3.173 | 5000 |
| | | | 189.00 | 40 | 0.70 | 0.00 | 0.30 | **880-D6300L40-03** | 40.00 | 238.04 | 309.00 | 196.00 | 0.95 | 88° | 10 | 4.300 | 5000 |

| DC | | Piezas de repuesto<br>Tornillo de plaquita |
|---|---|---|
| 12.00-16.00 | 01-02 | 5513 020-28 |
| 16.50-19.50 | 03 | 5513 020-33 |
| 20.00-23.90 | 04 | 5513 020-58 |
| 24.00-28.50 | 05 | 5513 020-57 |
| 30.00-41.00 | 06-07 | 416.1-833 |
| 44.00-63.00 | 08-09 | 416.1-834 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

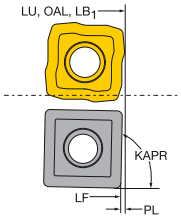
J42 L2 J62 J35 N23 N6 N15

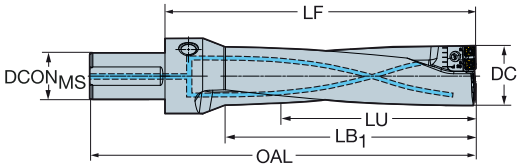
SPA

# Broca de plaquita intercambiable CoroDrill® 880

**Suministro de refrigerante interior**



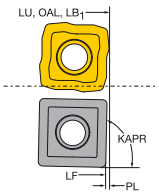


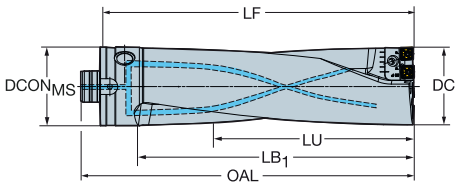




**Mango cilíndrico con plano de apriete, según ISO 9766**

| DC | C | I | I | P | LU | $CZC_{MS}$ | TCHAL | TCHAU | Código de pedido | Dimensiones, mm $DCON_{MS}$ | LF | OAL | $LB_1$ | PL | KAPR | BAR | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 65.00 | 06C | 06P | 06P | 06P | 207.00 | 50 | -0.30 | 0.30 | 880-D0650L50-03 | 50.00 | 275.70 | 357.00 | 212.77 | 1.30 | 88° | 10 | 8.495 | 5000 |
| | | | | | 276.00 | 50 | -0.30 | 0.30 | 880-D0650L50-04 | 50.00 | 344.70 | 426.00 | 281.77 | 1.30 | 88° | 10 | 10.125 | 5000 |
| 66.00 | 06C | 06P | 06P | 06P | 207.00 | 50 | -0.30 | 0.30 | 880-D0660L50-03 | 50.00 | 275.70 | 357.00 | 212.77 | 1.30 | 88° | 10 | 8.470 | 5000 |
| | | | | | 276.00 | 50 | -0.30 | 0.30 | 880-D0660L50-04 | 50.00 | 344.70 | 426.00 | 281.77 | 1.30 | 88° | 10 | 7.900 | 5000 |
| 67.00 | 06C | 06P | 06P | 06P | 207.00 | 50 | -0.30 | 0.30 | 880-D0670L50-03 | 50.00 | 275.70 | 357.00 | 212.77 | 1.30 | 88° | 10 | 7.105 | 5000 |
| | | | | | 276.00 | 50 | -0.30 | 0.30 | 880-D0670L50-04 | 50.00 | 344.70 | 426.00 | 281.77 | 1.30 | 88° | 10 | 7.900 | 5000 |
| 68.00 | 06C | 06P | 06P | 06P | 207.00 | 50 | -0.30 | 0.30 | 880-D0680L50-03 | 50.00 | 275.70 | 357.00 | 212.77 | 1.30 | 88° | 10 | 8.460 | 5000 |
| | | | | | 276.00 | 50 | -0.30 | 0.30 | 880-D0680L50-04 | 50.00 | 344.70 | 426.00 | 281.77 | 1.30 | 88° | 10 | 7.900 | 5000 |
| 69.00 | 06C | 06P | 06P | 06P | 207.00 | 50 | -0.30 | 0.30 | 880-D0690L50-03 | 50.00 | 275.70 | 357.00 | 212.77 | 1.30 | 88° | 10 | 8.460 | 5000 |
| | | | | | 276.00 | 50 | -0.30 | 0.30 | 880-D0690L50-04 | 50.00 | 344.70 | 426.00 | 281.77 | 1.30 | 88° | 10 | 7.900 | 5000 |
| 70.00 | 06C | 06P | 06P | 06P | 222.00 | 50 | -0.30 | 0.30 | 880-D0700L50-03 | 50.00 | 300.60 | 382.00 | 249.63 | 1.40 | 88° | 10 | 9.485 | 5000 |
| | | | | | 296.00 | 50 | -0.30 | 0.30 | 880-D0700L50-04 | 50.00 | 374.60 | 456.00 | 323.63 | 1.40 | 88° | 10 | 10.980 | 5000 |
| 71.00 | 06C | 06P | 06P | 06P | 222.00 | 50 | -0.30 | 0.30 | 880-D0710L50-03 | 50.00 | 300.60 | 382.00 | 249.63 | 1.40 | 88° | 10 | 9.450 | 5000 |
| | | | | | 296.00 | 50 | -0.30 | 0.30 | 880-D0710L50-04 | 50.00 | 374.60 | 456.00 | 323.63 | 1.40 | 88° | 10 | 11.217 | 5000 |
| 72.00 | 06C | 06P | 06P | 06P | 222.00 | 50 | -0.30 | 0.30 | 880-D0720L50-03 | 50.00 | 300.60 | 382.00 | 249.63 | 1.40 | 88° | 10 | 9.515 | 5000 |
| | | | | | 296.00 | 50 | -0.30 | 0.30 | 880-D0720L50-04 | 50.00 | 374.60 | 456.00 | 323.63 | 1.40 | 88° | 10 | 11.320 | 5000 |
| 73.00 | 06C | 06P | 06P | 06P | 222.00 | 50 | -0.30 | 0.30 | 880-D0730L50-03 | 50.00 | 300.60 | 382.00 | 249.63 | 1.40 | 88° | 10 | 9.400 | 5000 |
| | | | | | 296.00 | 50 | -0.30 | 0.30 | 880-D0730L50-04 | 50.00 | 374.60 | 456.00 | 323.63 | 1.40 | 88° | 10 | 11.370 | 5000 |
| 74.00 | 06C | 06P | 07P | 07P | 222.00 | 50 | -0.30 | 0.30 | 880-D0740L50-03 | 50.00 | 300.60 | 382.00 | 249.63 | 1.40 | 88° | 10 | 9.350 | 5000 |
| | | | | | 296.00 | 50 | -0.30 | 0.30 | 880-D0740L50-04 | 50.00 | 374.60 | 456.00 | 323.63 | 1.40 | 88° | 10 | 11.275 | 5000 |
| 75.00 | 07C | 07P | 07P | 07P | 237.00 | 50 | -0.30 | 0.30 | 880-D0750L50-03 | 50.00 | 305.60 | 387.00 | 255.15 | 1.40 | 88° | 10 | 10.250 | 5000 |
| | | | | | 316.00 | 50 | -0.30 | 0.30 | 880-D0750L50-04 | 50.00 | 384.60 | 466.00 | 334.15 | 1.40 | 88° | 10 | 12.325 | 5000 |
| 76.00 | 07C | 07P | 07P | 07P | 237.00 | 50 | -0.30 | 0.30 | 880-D0760L50-03 | 50.00 | 305.60 | 387.00 | 255.15 | 1.40 | 88° | 10 | 10.700 | 5000 |
| | | | | | 316.00 | 50 | -0.30 | 0.30 | 880-D0760L50-04 | 50.00 | 384.60 | 466.00 | 334.15 | 1.40 | 88° | 10 | 12.250 | 5000 |
| 77.00 | 07C | 07P | 07P | 07P | 237.00 | 50 | -0.30 | 0.30 | 880-D0770L50-03 | 50.00 | 305.60 | 387.00 | 255.15 | 1.40 | 88° | 10 | 10.700 | 5000 |
| | | | | | 316.00 | 50 | -0.30 | 0.30 | 880-D0770L50-04 | 50.00 | 384.60 | 466.00 | 334.15 | 1.40 | 88° | 10 | 12.268 | 5000 |
| 78.00 | 07C | 07P | 07P | 07P | 237.00 | 50 | -0.30 | 0.30 | 880-D0780L50-03 | 50.00 | 305.60 | 387.00 | 255.15 | 1.40 | 88° | 10 | 10.700 | 5000 |
| | | | | | 316.00 | 50 | -0.30 | 0.30 | 880-D0780L50-04 | 50.00 | 384.60 | 466.00 | 334.15 | 1.40 | 88° | 10 | 12.385 | 5000 |
| 79.00 | 07C | 07P | 07P | 07P | 237.00 | 50 | -0.30 | 0.30 | 880-D0790L50-03 | 50.00 | 305.60 | 387.00 | 255.15 | 1.40 | 88° | 10 | 10.700 | 5000 |
| | | | | | 316.00 | 50 | -0.30 | 0.30 | 880-D0790L50-04 | 50.00 | 384.60 | 466.00 | 334.15 | 1.40 | 88° | 10 | 12.230 | 5000 |






**Acoplamiento VL**

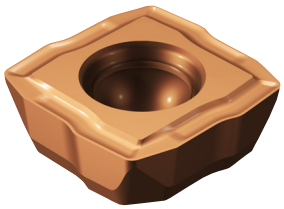
| DC | C | I | I | P | LU | $CZC_{MS}$ | TCHAL | TCHAU | Código de pedido | Dimensiones, mm DCON | LF | OAL | $LB_1$ | PL | KAPR | BAR | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80.00 | 07C | 07P | 07P | 07P | 252.00 | 80 | -0.30 | 0.30 | 880-D0800V80-03 | 80.00 | 330.50 | 350.00 | 287.61 | 1.50 | 88° | 10 | 10.500 | 5000 |
| | | | | | 336.00 | 80 | -0.30 | 0.30 | 880-D0800V80-04 | 80.00 | 414.50 | 434.00 | 371.61 | 1.50 | 88° | 10 | 13.300 | 5000 |
| 81.00 | 07C | 07P | 07P | 07P | 252.00 | 80 | -0.30 | 0.30 | 880-D0810V80-03 | 80.00 | 330.50 | 350.00 | 287.61 | 1.50 | 88° | 10 | 12.700 | 5000 |
| | | | | | 336.00 | 80 | -0.30 | 0.30 | 880-D0810V80-04 | 80.00 | 414.50 | 434.00 | 371.61 | 1.50 | 88° | 10 | 13.125 | 5000 |
| 82.00 | 07C | 07P | 07P | 07P | 252.00 | 80 | -0.30 | 0.30 | 880-D0820V80-03 | 80.00 | 330.50 | 350.00 | 287.61 | 1.50 | 88° | 10 | 12.700 | 5000 |
| | | | | | 336.00 | 80 | -0.30 | 0.30 | 880-D0820V80-04 | 80.00 | 414.50 | 434.00 | 371.61 | 1.50 | 88° | 10 | 13.205 | 5000 |
| 83.00 | 07C | 07P | 07P | 07P | 252.00 | 80 | -0.30 | 0.30 | 880-D0830V80-03 | 80.00 | 330.50 | 350.00 | 287.61 | 1.50 | 88° | 10 | 12.700 | 5000 |
| | | | | | 336.00 | 80 | -0.30 | 0.30 | 880-D0830V80-04 | 80.00 | 414.50 | 434.00 | 371.61 | 1.50 | 88° | 10 | 15.100 | 5000 |
| 84.00 | 07C | 07P | 07P | 07P | 252.00 | 80 | -0.30 | 0.30 | 880-D0840V80-03 | 80.00 | 330.50 | 350.00 | 287.61 | 1.50 | 88° | 10 | 12.700 | 5000 |
| | | | | | 336.00 | 80 | -0.30 | 0.30 | 880-D0840V80-04 | 80.00 | 414.50 | 434.00 | 371.61 | 1.50 | 88° | 10 | 13.300 | 5000 |

Los cartuchos están incluidos, las plaquitas se venden por separado

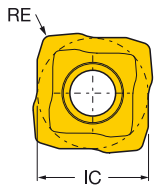
J42 L2 J62 J35 N23 N6 N15 J48

# Plaquita CoroDrill® 880 para taladrado

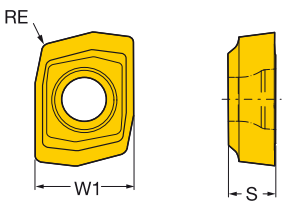
**Plaquita central**



880..C




880-01..C




| | | INSUC | Código de pedido | P | M | | K | N | | | S | | | H | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1044 | 1044 | 1144 | 1044 | 1044 | H13A | N134 | 1044 | 1144 | H13A | 1044 | S | RE | IC | W1 |
| Avance medio | 01C | C | 880-01 02 03H-C-LM | ★ | ☆ | ★ | ★ | ☆ | | ★ | ★ | ☆ | ☆ | ☆ | 2.20 | 0.30 | | 4.8 |
| | 02C | C | 880-02 02 04H-C-GM | ☆ | ☆ | | ☆ | ☆ | | | ☆ | | | ★ | 2.40 | 0.40 | 4.9 | |
| | | C | 880-02 02 04H-C-LM | ★ | ☆ | ★ | ★ | ☆ | ☆ | ★ | ★ | ☆ | ☆ | ☆ | 2.40 | 0.40 | 4.9 | |
| | 03C | C | 880-03 03 05H-C-GM | ☆ | ☆ | | ☆ | ☆ | | | ☆ | | | ★ | 2.60 | 0.50 | 5.7 | |
| | | C | 880-03 03 05H-C-LM | ★ | ☆ | ★ | ★ | ☆ | ☆ | ★ | ★ | ☆ | ☆ | ☆ | 2.60 | 0.50 | 5.7 | |
| | 04C | C | 880-04 03 05H-C-GM | ☆ | ☆ | | ☆ | ☆ | | | ☆ | | | ★ | 2.80 | 0.50 | 6.8 | |
| | | C | 880-04 03 05H-C-LM | ★ | ☆ | ★ | ★ | ☆ | ☆ | ★ | ★ | ☆ | ☆ | ☆ | 2.80 | 0.50 | 6.8 | |
| | 05C | C | 880-05 03 05H-C-GM | ☆ | ☆ | | ☆ | ☆ | | | ☆ | | | ★ | 3.00 | 0.50 | 8.4 | |
| | | C | 880-05 03 05H-C-LM | ★ | ☆ | ★ | ★ | ☆ | ☆ | ★ | ★ | ☆ | ☆ | ☆ | 3.00 | 0.50 | 8.4 | |
| | 06C | C | 880-06 04 06H-C-GM | ☆ | ☆ | | ☆ | ☆ | | | ☆ | | | ★ | 3.50 | 0.60 | 10.2 | |
| | | C | 880-06 04 06H-C-LM | ★ | ☆ | ★ | ★ | ☆ | ☆ | ★ | ★ | ☆ | ☆ | ☆ | 3.50 | 0.60 | 10.2 | |
| | 07C | C | 880-07 04 06H-C-GM | ☆ | ☆ | | ☆ | ☆ | | | ☆ | | | ★ | 4.00 | 0.60 | 12.4 | |
| | | C | 880-07 04 06H-C-LM | ★ | ☆ | ★ | ★ | ☆ | ☆ | ★ | ★ | ☆ | ☆ | ☆ | 4.00 | 0.60 | 12.4 | |
| | 08C | C | 880-08 05 08H-C-GM | ☆ | ☆ | | ☆ | ☆ | | | ☆ | | | ★ | 4.50 | 0.80 | 14.9 | |
| | | C | 880-08 05 08H-C-LM | ★ | ☆ | ★ | ★ | ☆ | ☆ | ★ | ★ | ☆ | ☆ | ☆ | 4.50 | 0.80 | 14.9 | |
| | 09C | C | 880-09 06 08H-C-GM | ☆ | ☆ | | ☆ | ☆ | | | ☆ | | | ★ | 5.50 | 0.80 | 17.9 | |
| | | C | 880-09 06 08H-C-LM | ★ | ☆ | ★ | ★ | ☆ | ☆ | ★ | ★ | ☆ | ☆ | ☆ | 5.50 | 0.80 | 17.9 | |
| Avance elevado | 01C | C | 880-01 02 03H-C-GR | ★ | | | ★ | ☆ | | | ☆ | | | ★ | 2.20 | 0.30 | | 4.8 |
| | 02C | C | 880-02 02 04H-C-GR | ★ | ☆ | | ★ | ☆ | | | ☆ | | | ☆ | 2.40 | 0.40 | 4.9 | |
| | 03C | C | 880-03 03 05H-C-GR | ★ | ☆ | | ★ | ☆ | | | ☆ | | | ☆ | 2.60 | 0.50 | 5.7 | |
| | 04C | C | 880-04 03 05H-C-GR | ★ | ☆ | | ★ | ☆ | | | ☆ | | | ☆ | 2.80 | 0.50 | 6.8 | |
| | 05C | C | 880-05 03 05H-C-GR | ★ | ☆ | | ★ | ☆ | | | ☆ | | | ☆ | 3.00 | 0.50 | 8.4 | |
| | 06C | C | 880-06 04 06H-C-GR | ★ | ☆ | | ★ | ☆ | | | ☆ | | | ☆ | 3.50 | 0.60 | 10.2 | |
| | 07C | C | 880-07 04 06H-C-GR | ★ | ☆ | | ★ | ☆ | | | ☆ | | | ☆ | 4.00 | 0.60 | 12.4 | |
| | 08C | C | 880-08 05 08H-C-GR | ★ | ☆ | | ★ | ☆ | | | ☆ | | | ☆ | 4.50 | 0.80 | 14.9 | |
| | 09C | C | 880-09 06 08H-C-GR | ★ | ☆ | | ★ | ☆ | | | ☆ | | | ☆ | 5.50 | 0.80 | 17.9 | |

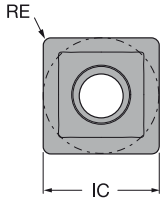
J36 J62 J35 J35 N23

# Plaquita CoroDrill® 880 para taladrado

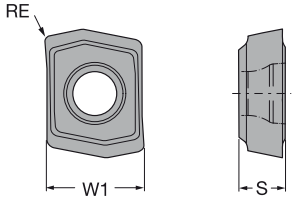
**Plaquita periférica**



880..P




880-01..P




| | | INSUC | Código de pedido | P | | | M | | | K | | | N | | | S | | | H | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 4324 | 4334 | 4344 | 2044 | 4334 | 4344 | 4324 | 4334 | 4344 | 4344 | H13A | N124 | 2044 | 4344 | H13A | 4334 | 4344 | S | RE | IC | W1 |
| Avance medio | 01P | P | 880-01 02 W04H-P-LM | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ★ | | ☆ | ☆ | 2.20 | 0.40 | | 4.8 |
| | | P | 880-01 02 W04H-P-MS | | | | ★ | | | | | | | | ★ | ★ | | | | | 2.20 | 0.40 | | 4.8 |
| | 02P | P | 880-02 02 W04H-P-GM | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ★ | 2.40 | 0.40 | 5.1 | |
| | | P | 880-02 02 W05H-P-LM | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ★ | | ☆ | ☆ | 2.40 | 0.50 | 5.1 | |
| | | P | 880-02 02 W05H-P-MS | | | | ★ | | | | | | | | ★ | ★ | | | | | 2.40 | 0.50 | 5.1 | |
| | 03P | P | 880-03 03 W05H-P-GM | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ★ | 2.60 | 0.50 | 6.0 | |
| | | P | 880-03 03 W06H-P-LM | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | ☆ | | | ★ | ☆ | ☆ | ☆ | 2.60 | 0.60 | 6.0 | |
| | | P | 880-03 03 W06H-P-MS | | | | ★ | | | | | | | | ★ | ★ | | | | | 2.60 | 0.60 | 6.0 | |
| | 04P | P | 880-04 03 W05H-P-GM | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ★ | 2.80 | 0.50 | 7.4 | |
| | | P | 880-04 03 W07H-P-LM | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | ☆ | | | ★ | ☆ | ☆ | ☆ | 2.80 | 0.70 | 7.4 | |
| | | P | 880-04 03 W07H-P-MS | | | | ★ | | | | | | | | ★ | ★ | | | | | 2.80 | 0.70 | 7.4 | |
| | 05P | P | 880-05 03 W05H-P-GM | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ★ | 3.00 | 0.50 | 8.9 | |
| | | P | 880-05 03 W08H-P-LM | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | ☆ | | | ★ | ☆ | ☆ | ☆ | 3.00 | 0.80 | 8.9 | |
| | | P | 880-05 03 W08H-P-MS | | | | ★ | | | | | | | | ★ | ★ | | | | | 3.00 | 0.80 | 8.9 | |
| | 06P | P | 880-06 04 W06H-P-GM | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ★ | 3.50 | 0.60 | 10.7 | |
| | | P | 880-06 04 W08H-P-LM | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | ☆ | | | ★ | ☆ | ☆ | ☆ | 3.50 | 0.80 | 10.7 | |
| | | P | 880-06 04 W08H-P-MS | | | | ★ | | | | | | | | ★ | ★ | | | | | 3.50 | 0.80 | 10.7 | |
| | 07P | P | 880-07 04 W06H-P-GM | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ★ | 4.00 | 0.60 | 12.7 | |
| | | P | 880-07 04 W10H-P-LM | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | ☆ | | | ★ | ☆ | ☆ | ☆ | 4.00 | 1.00 | 12.7 | |
| | | P | 880-07 04 W10H-P-MS | | | | ★ | | | | | | | | ★ | ★ | | | | | 4.00 | 1.00 | 12.7 | |
| | 08P | P | 880-08 05 W08H-P-GM | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ★ | 4.50 | 0.80 | 15.5 | |
| | | P | 880-08 05 W10H-P-LM | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | ☆ | | | ★ | ☆ | ☆ | ☆ | 4.50 | 1.00 | 15.5 | |
| | | P | 880-08 05 W10H-P-MS | | | | ★ | | | | | | | | ★ | ★ | | | | | 4.50 | 1.00 | 15.5 | |
| | 09P | P | 880-09 06 W08H-P-GM | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ★ | 5.50 | 0.80 | 18.6 | |
| | | P | 880-09 06 W10H-P-LM | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | ☆ | | | ★ | ☆ | ☆ | ☆ | 5.50 | 1.00 | 18.6 | |
| | | P | 880-09 06 W10H-P-MS | | | | ★ | | | | | | | | ★ | ★ | | | | | 5.50 | 1.00 | 18.6 | |
| Avance elevado | 01P | P | 880-01 02 W04H-P-GR | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ★ | 2.20 | 0.40 | | 4.8 |
| | 02P | P | 880-02 02 W05H-P-GR | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 2.40 | 0.50 | 5.1 | |
| | | P | 880-02 02 W05H-P-GT | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 2.40 | 0.50 | 5.1 | |
| | 03P | P | 880-03 03 W06H-P-GR | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 2.60 | 0.60 | 6.0 | |
| | | P | 880-03 03 W06H-P-GT | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 2.60 | 0.60 | 6.0 | |
| | 04P | P | 880-04 03 W07H-P-GR | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 2.80 | 0.70 | 7.4 | |
| | | P | 880-04 03 W07H-P-GT | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 2.80 | 0.70 | 7.4 | |
| | 05P | P | 880-05 03 W08H-P-GR | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 3.00 | 0.80 | 8.9 | |
| | | P | 880-05 03 W08H-P-GT | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 3.00 | 0.80 | 8.9 | |
| | 06P | P | 880-06 04 W10H-P-GR | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 3.50 | 1.00 | 10.7 | |
| | | P | 880-06 04 W10H-P-GT | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 3.50 | 1.00 | 10.7 | |
| | 07P | P | 880-07 04 W12H-P-GR | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 4.00 | 1.20 | 12.7 | |
| | | P | 880-07 04 W12H-P-GT | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 4.00 | 1.20 | 12.7 | |
| | 08P | P | 880-08 05 W12H-P-GR | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 4.50 | 1.20 | 15.5 | |
| | | P | 880-08 05 W12H-P-GT | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 4.50 | 1.20 | 15.5 | |
| | 09P | P | 880-09 06 W12H-P-GR | ☆ | ★ | ☆ | | ☆ | ☆ | ☆ | ★ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 5.50 | 1.20 | 18.6 | |
| | | P | 880-09 06 W12H-P-GT | ☆ | ☆ | ☆ | | ☆ | ☆ | ☆ | ☆ | ☆ | ☆ | | | | ☆ | | ☆ | ☆ | 5.50 | 1.20 | 18.6 | |

J36 J62 J35 J35 N23

# Herramienta de trepanado

## Concepto probado para taladrado periférico manteniendo el núcleo

### Aplicaciones

- Trepanado
- Aplicaciones para agujeros pasantes
- Taladrado de paquetes



### Área de aplicación ISO:

P M K N S

### Ventajas y características

- Estabilidad sobresaliente en aplicaciones inestables y tornos
- Suministro de refrigerante interior
- Disponibilidad de cartuchos de taladrado de paquetes bajo petición

### Cuerpos de broca

- Acoplamiento VL

### Plaquitas

- Geometrías y calidades para la mayoría de materiales

### Reglaje vertical

El núcleo caerá cuando la broca atraviese la pieza, lo que normalmente no suele ocasionar problemas.

### Reglaje horizontal

Si el núcleo es largo y pesado puede necesitar algún tipo de soporte para evitar que se caiga y astille la plaquita interior.

J45 J46

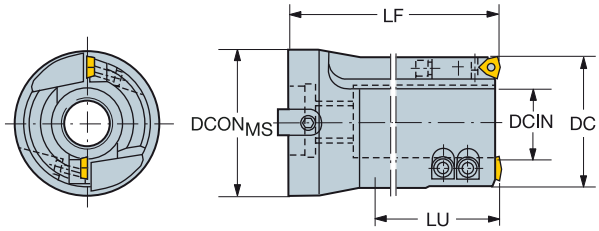
SPA

# Herramienta de trepanado

**Acoplamiento VL**

**Suministro de refrigerante interior**






| | | | | | | | | Dimensiones, mm | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DC | DCIN | | LU | CZC$_{MS}$ | TCHAL | TCHAU | Código de pedido | DCON$_{MS}$ | LF | KAPR | BAR | KG |
| 60.00 | 24.00 | 06 | 150.00 | 80 | -0.20 | 0.20 | R416.7-0600-25-01 | 80.00 | 195.00 | 85° | 20 | 3.160 |
| 65.00 | 29.00 | 06 | 165.00 | 80 | -0.20 | 0.20 | R416.7-0650-25-01 | 80.00 | 210.00 | 85° | 20 | 3.853 |
| 70.00 | 34.00 | 06 | 175.00 | 80 | -0.20 | 0.20 | R416.7-0700-25-01 | 80.00 | 220.00 | 85° | 20 | 4.080 |
| 75.00 | 39.00 | 06 | 190.00 | 80 | -0.20 | 0.20 | R416.7-0750-25-01 | 80.00 | 235.00 | 85° | 20 | 4.757 |
| 80.00 | 44.00 | 06 | 200.00 | 80 | -0.20 | 0.20 | R416.7-0800-25-01 | 80.00 | 245.00 | 85° | 20 | 5.524 |
| 85.00 | 49.00 | 06 | 215.00 | 80 | -0.20 | 0.20 | R416.7-0850-25-01 | 80.00 | 260.00 | 85° | 20 | 6.040 |
| 90.00 | 54.00 | 06 | 225.00 | 80 | -0.20 | 0.20 | R416.7-0900-25-01 | 80.00 | 270.00 | 85° | 20 | 6.700 |
| 95.00 | 59.00 | 06 | 240.00 | 80 | -0.20 | 0.20 | R416.7-0950-25-01 | 80.00 | 285.00 | 85° | 20 | 7.700 |
| 100.00 | 64.00 | 06 | 250.00 | 80 | -0.20 | 0.20 | R416.7-1000-25-01 | 80.00 | 295.00 | 85° | 20 | 8.634 |
| 110.00 | 74.00 | 06 | 275.00 | 80 | -0.20 | 0.20 | R416.7-1100-25-01 | 80.00 | 320.00 | 85° | 20 | 10.080 |

Para ver la información de montaje, consulte la página M28

| Piezas de repuesto | | |
|---|---|---|
| Chaveta de arrastre | Tornillo | Tornillo |
| 5631 010-03 | 3212 010-360 | 430.21-825 |

Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es

## Piezas de repuesto

| **Cartucho para herramienta de trepanado** | | | |
|---|---|---|---|
| **Interior** | **Plaquita** | **Periférica** | **Plaquita** |
| L430.23-1117-06 | WCMX 06 | R430.26-1114-06 | WCMX 06 |
| **Cartucho para taladrado de paquetes con herramienta de trepanado** | | | |
| **Interior** | **Plaquita** | **Periférica** | **Plaquita** |
| L430.23-1117-06SD | WCMX 06 | R430.26-1114-06SD | WCMX 06 |

Las piezas de repuesto deben pedirse por separado


J46


L2

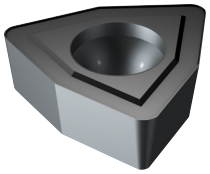


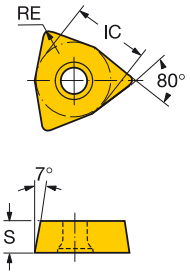
N23



N15

# Plaquitas de trepanado

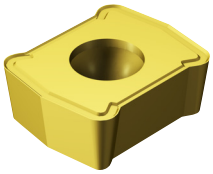


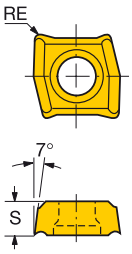



| | | INSUC | Código de pedido | P 1020 | P 235 | P 3040 | P 4235 | M 1020 | M 235 | M 3040 | M 4235 | K 1020 | K 1125 | K 3040 | K 4235 | N 1020 | N H13A | S 1020 | S H13A | Dimensiones, mm S | RE | IC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avance medio | 06 | P | WCMX 06 T3 08 R-51 | | ☆ | | | | ☆ | | | | | | | | ☆ | | ☆ | 3.97 | 0.80 | 9.5 |
| | | P | WCMX 06 T3 08 R-53 | ☆ | ☆ | ★ | | ☆ | ☆ | ★ | | ☆ | | ★ | | ☆ | ★ | ☆ | ☆ | 3.97 | 0.80 | 9.5 |
| | | P | WCMX 06 T3 08-56 | | ☆ | | | | ☆ | | | | | | | | | | | 3.97 | 0.80 | 9.5 |
| | | P | WCMX 06 T3 08-58 | | ☆ | ★ | | | ★ | ☆ | | | | | | | | | | 3.97 | 0.80 | 9.5 |
| | | P | WCMX 06 T3 08-GM | | | | ☆ | | | | ☆ | | ☆ | | ☆ | | | | | 3.97 | 0.80 | 9.5 |

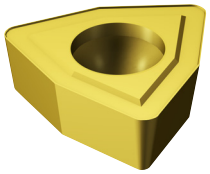
J45 J67 N23

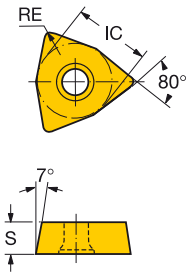
# Plaquita Coromant U para taladrado






| | | INSUC | Código de pedido | P | | | | M | | | | K | | | N | | | S | | | H | | | Dimensiones, mm | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1020 | 1120 | 235 | 3040 | 1020 | 1120 | 235 | 3040 | 1020 | 1120 | 3040 | 1020 | 1120 | H13A | 1020 | 1120 | H13A | 1020 | 1120 | 3040 | S | RE |
| Avance medio | 02 | C | LCMX 02 02 04C-53 | ★ | | | | ★ | | | | ★ | | | ★ | | | ★ | | | ★ | | | 2.38 | 0.40 |
| | | P | LCMX 02 02 04P-53 | | ☆ | | ★ | | ☆ | | ★ | | ☆ | ★ | | ★ | | | ★ | | | ☆ | ★ | 2.38 | 0.40 |
| | | C | LCMX 02 02 04TC-53 | ☆ | | | | | | | | ☆ | | | | | | | | | ☆ | | | 2.38 | 0.40 |
| | 03 | P | LCMX 03 03 04-58 | | | ☆ | ☆ | | | ☆ | ☆ | | | | | | | | | | | | | 3.18 | 0.40 |
| | | P | LCMX 03 03 04R-WM | ☆ | | | ☆ | | | | | ☆ | | ☆ | | | | | | | | | | 3.18 | 0.45 |
| | | P+C | LCMX 03 03 08-53 | ★ | | ☆ | ★ | ★ | | ☆ | ★ | ★ | | ★ | ☆ | | ★ | ★ | | ☆ | ★ | | ★ | 3.18 | 0.80 |
| | | P+C | LCMX 03 03 08T-53 | ☆ | | | | | | | | ☆ | | | | | | | | | ☆ | | | 3.18 | 0.80 |
| | 04 | P | LCMX 04 03 04-58 | | | ☆ | ☆ | | | ☆ | ☆ | | | | | | | | | | | | | 3.18 | 0.40 |
| | | P | LCMX 04 03 04R-WM | ☆ | | | ☆ | | | | | ☆ | | ☆ | | | | | | | | | | 3.18 | 0.40 |
| | | P+C | LCMX 04 03 08-53 | ★ | | ☆ | ★ | ★ | | ☆ | ★ | ★ | | ★ | ☆ | | ★ | ★ | | ☆ | ★ | | ★ | 3.18 | 0.80 |
| | | P+C | LCMX 04 03 08T-53 | ☆ | | | | | | | | ☆ | | | | | | | | | ☆ | | | 3.18 | 0.80 |






| | | INSUC | Código de pedido | P | | | | | M | | | | K | | | | N | | S | | H | | Dimensiones, mm | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 1020 | 1125 | 235 | 3040 | 4235 | 1020 | 235 | 3040 | 4235 | 1020 | 1125 | 235 | 3040 | 4235 | 1020 | H13A | 1020 | H13A | 1020 | 3040 | S | RE | IC |
| Avance medio | 05 | P | WCMX 05 03 04R-WM | ☆ | | | ☆ | | | | | | ☆ | | | ☆ | | | | | | | | 3.18 | 0.40 | 7.9 |
| | | P | WCMX 05 03 08 R-51 | | | ☆ | | | | ☆ | | | | | | | | | | | | | | 3.18 | 0.80 | 7.9 |
| | | P+C | WCMX 05 03 08 R-53 | ★ | | ☆ | ★ | | ★ | ☆ | ★ | | ★ | | | ★ | | ☆ | ★ | ★ | ☆ | ★ | ★ | 3.18 | 0.80 | 7.9 |
| | | P+C | WCMX 05 03 08 T-53 | ☆ | | | | | | | | | ☆ | | | | | | | | | | | 3.18 | 0.80 | 7.9 |
| | | P | WCMX 05 03 08-56 | | | ☆ | | | | ☆ | | | | | | | | | | | | | | 3.18 | 0.80 | 7.9 |
| | | P | WCMX 05 03 08-58 | | | ☆ | ☆ | | | ☆ | ☆ | | | | | | | | | | | | | 3.18 | 0.80 | 7.9 |
| | | C | WCMX 05 03 S R-54 | | | ☆ | | | | | | | | | ☆ | | | | | | | | | 3.18 | 0.40 | 7.9 |
| | 06 | P | WCMX 06 T3 04R-WM | ☆ | | | ☆ | | | | | | ☆ | | | ☆ | | | | | | | | 3.97 | 0.40 | 9.5 |
| | | P | WCMX 06 T3 08 R-51 | | | ☆ | | | | ☆ | | | | | | | | | ☆ | | ☆ | | | 3.97 | 0.80 | 9.5 |
| | | P+C | WCMX 06 T3 08 R-53 | ★ | | ☆ | ★ | | ★ | ☆ | ★ | | ★ | | | ★ | | ☆ | ★ | ★ | ☆ | ★ | ★ | 3.97 | 0.80 | 9.5 |
| | | P+C | WCMX 06 T3 08 T-53 | ☆ | | | | | | | | | ☆ | | | | | | | | | | | 3.97 | 0.80 | 9.5 |
| | | P | WCMX 06 T3 08-56 | | | ☆ | | | | ☆ | | | | | | | | | | | | | | 3.97 | 0.80 | 9.5 |
| | | P | WCMX 06 T3 08-58 | | | ☆ | ☆ | | | ☆ | ☆ | | | | | | | | | | | | | 3.97 | 0.80 | 9.5 |
| | | P+C | WCMX 06 T3 08-GM | | ☆ | | | ☆ | | | | ☆ | | ☆ | | | ☆ | | | | | | | 3.97 | 0.80 | 9.5 |
| | | C | WCMX 06 T3 S R-56 | | | ☆ | | | | ☆ | | | | | | | | | | | | | | 3.97 | 0.80 | 9.5 |
| | 08 | P | WCMX 08 04 12 R-51 | | | ☆ | | | | ☆ | | | | | | | | | ☆ | | ☆ | | | 4.76 | 1.20 | 12.7 |
| | | P+C | WCMX 08 04 12 R-53 | ★ | | ☆ | ★ | | ★ | ☆ | ★ | | ★ | | | ★ | | ☆ | ★ | ★ | ☆ | ★ | ★ | 4.76 | 1.20 | 12.7 |
| | | P+C | WCMX 08 04 12 T-53 | ☆ | | | | | | | | | ☆ | | | | | | | | | | | 4.76 | 1.20 | 12.7 |
| | | P | WCMX 08 04 12-56 | | | ☆ | | | | ☆ | | | | | | | | | | | | | | 4.76 | 1.20 | 12.7 |
| | | P | WCMX 08 04 12-58 | | | ☆ | ☆ | | | ☆ | ☆ | | | | | | | | | | | | | 4.76 | 1.20 | 12.7 |
| | | P+C | WCMX 08 04 12-GM | | ☆ | | | ☆ | | | | ☆ | | ☆ | | | ☆ | | | | | | | 4.76 | 1.20 | 12.7 |
| | | C | WCMX 08 04 S R-56 | | | ☆ | | | | ☆ | | | | | | | | | | | | | | 4.76 | 0.40 | 12.7 |

J68 N23

# Broca CoroDrill® 880 para grandes diámetros



**Correlación entra plaquita y cartucho**

| | Cartucho central | | Cartucho periférico | |
|---|---|---|---|---|
| Gama de diámetros, mm | Plaquita | Cantidad | Plaquita | Cantidad |
| 65-69 | 880-06...C<br>880-06...P | 1<br>1 | 880-06...P | 2 |
| 70-73 | 880-06...C<br>880-06...P | 1<br>1 | 880-06...P | 2 |
| 74 | 880-06...C<br>880-06...P | 1<br>1 | 880-07...P | 2 |
| 75-79 | 880-07...C<br>880-07...P | 1<br>1 | 880-07...P | 2 |
| 80-84 | 880-07...C<br>880-07...P | 1<br>1 | 880-07...P | 2 |

| | | Piezas incluidas | | | |
|---|---|---|---|---|---|
| | | Cuerpo de broca | | Cartucho | |
| $D_c$ | Código de pedido | 3xD | 4xD | Central | Periférica |
| 65 | 880-D0650xxx-xx | | | | 880-D0650-P |
| 66 | 880-D0660xxx-xx | 880-D065-069L50-3 | 880-D065-069L50-4 | | 880-D0660-P |
| 67 | 880-D0670xxx-xx | 880-D065-069LX50-3 | 880-D065-069LX50-4 | 880-D0650-C | 880-D0670-P |
| 68 | 880-D0680xxx-xx | 880-D065-069V80-3 | 880-D065-069V80-4 | | 880-D0680-P |
| 69 | 880-D0690xxx-xx | | | | 880-D0690-P |
| 70 | 880-D0700xxx-xx | | | | 880-D0700-P |
| 71 | 880-D0710xxx-xx | 880-D070-074L50-3 | 880-D070-074L50-4 | | 880-D0710-P |
| 72 | 880-D0720xxx-xx | 880-D070-074LX50-3 | 880-D070-074LX50-4 | 880-D0700-C | 880-D0720-P |
| 73 | 880-D0730xxx-xx | 880-D070-074V80-3 | 880-D070-074V80-4 | | 880-D0730-P |
| 74 | 880-D0740xxx-xx | | | | 880-D0740-P |
| 75 | 880-D0750xxx-xx | | | | 880-D0750-P |
| 76 | 880-D0760xxx-xx | 880-D075-079L50-3 | 880-D075-079L50-4 | | 880-D0760-P |
| 77 | 880-D0770xxx-xx | 880-D075-079LX50-3 | 880-D075-079LX50-4 | 880-D0750-C | 880-D0770-P |
| 78 | 880-D0780xxx-xx | 880-D075-079V80-3 | 880-D075-079V80-4 | | 880-D0780-P |
| 79 | 880-D0790xxx-xx | | | | 880-D0790-P |
| 80 | 880-D0800xxx-xx | | | | 880-D0800-P |
| 81 | 880-D0810xxx-xx | | | | 880-D0810-P |
| 82 | 880-D0820xxx-xx | 880-D080-084LX63-3<br>880-D080-084V80-3 | 880-D080-084LX63-4<br>880-D080-084V80-4 | 880-D0800-C | 880-D0820-P |
| 83 | 880-D0830xxx-xx | | | | 880-D0830-P |
| 84 | 880-D0840xxx-xx | | | | 880-D0840-P |

SPA

# Seleccionar sus datos de corte

La formación y la evacuación de la viruta son factores críticos en taladrado y dependen del material de la pieza, la elección de la geometría de la plaquita/broca, el volumen y la presión de refrigerante y los datos de corte. El atasco de la viruta puede provocar el desplazamiento radial de la broca y, por consiguiente, afectar a la calidad del agujero, la vida útil y la fiabilidad de la broca, o a la rotura de brocas/plaquitas.

Se considera que la formación de viruta es aceptable cuando es posible evacuar la viruta de la broca sin perturbaciones. El mejor modo de identificarlo es escuchar durante el taladrado. Un sonido homogéneo significa que la evacuación de la viruta es buena, pero un sonido intermitente indica que la viruta se atasca. Compruebe la fuerza de avance o el monitor de potencia. Si existen irregularidades, el atasco de la viruta podría ser el motivo. Observe la viruta: si es larga y está doblada, en lugar de enroscada, se ha producido algún atasco. Observe el agujero: si se ha producido atasco de viruta, se apreciará una superficie irregular.

**Efectos de la velocidad de corte: $v_c$**

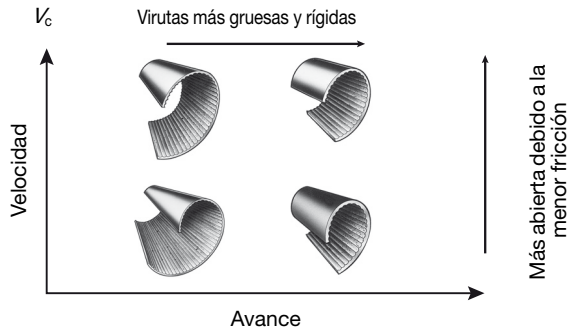
**Velocidad de corte demasiado alta:**
Rápido desgaste en incidencia
Deformación plástica
Calidad y tolerancia del agujero deficientes

**Velocidad de corte demasiado baja:**
Filo de aportación
Evacuación deficiente de la viruta
Mayor tiempo de corte

**Efectos de la velocidad de avance: $f_n$**

**Alta velocidad de avance:**
Rotura de la viruta más difícil
Menor tiempo de corte
Menor desgaste de la herramienta, pero mayor riesgo de rotura de la broca
Calidad del agujero reducida

**Baja velocidad de avance:**
Preferible para materiales de viruta larga
Mejora de la calidad
Desgaste acelerado de la herramienta
Mayor tiempo de corte




## Alcanzar agujeros de buena calidad

**Evacuación de la viruta**
Compruebe que la evacuación de la viruta sea la adecuada. El atasco de viruta afecta a la calidad del agujero y a la fiabilidad/vida útil de la herramienta. La geometría de la plaquita o broca y los datos de corte son cruciales.

**Estabilidad, reglaje de la herramienta**
Utilice la broca más corta posible. Utilice un portaherramientas rígido y preciso con una desviación mínima. Asegúrese de que el husillo de la máquina esté en buenas condiciones y bien alineado. Compruebe que la pieza esté fija y estable. Defina la velocidad de avance correcta para superficies irregulares y en ángulo y agujeros cruzados.

**Vida de la herramienta**
Compruebe el desgaste de la plaquita y defina un programa predeterminado de vida útil de la herramienta. La forma más eficaz de supervisar el taladrado es utilizar un monitor de fuerza de avance.

**Mantenimiento**
Cambie con regularidad el tornillo de sujeción de la plaquita. Limpie el asiento de la punta antes de cambiar la plaquita y asegúrese de usar una llave dinamométrica. No supere el desgaste máximo antes de rectificar las brocas enterizas de metal duro.

**Taladrado de agujeros profundos con CoroDrill® DS20**
Si necesita alcanzar la mejor calidad del agujero al taladrar agujeros de 6-7xD con CoroDrill DS20, es importante utilizar una velocidad de avance reducida a la entrada (primeros 1-2 mm) y a la salida (últimos 5 mm).

# CoroDrill® 870

**< 6 x DC**

| ISO | Núm. MC | N.º CMC | Material | Dureza Brinell (HB) | Velocidad de corte ($V_c$) m/min correlacionada con el diámetro de la broca | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10.00-20.99 mm | | | 21.00-33.00 mm | | |
| | | | | | Mín. | Rec. | Máx. | Mín. | Rec. | Máx. |
| P | | | **Acero no aleado** | | | | **Calidad 4334** | | | |
| | P1.1.Z.AN | 01.1 | C=0.10-0.25% | 125 | 80 | 120 | 160 | 80 | 120 | 160 |
| | P1.2.Z.AN | 01.2 | C=0.25-0.55% | 190 | 80 | 120 | 160 | 80 | 120 | 160 |
| | P1.3.Z.AN | 01.3 | C=0.55-0.80% | 190 | 70 | 100 | 130 | 70 | 100 | 130 |
| | P1.5.C.UT | 06.1 | Fundición - sin tratar | 150 | 80 | 110 | 140 | 80 | 110 | 140 |
| | | | **Acero de baja aleación** | | | | **Calidades 4334 y 3334** | | | |
| | P2.1.Z.AN | 02.1 | Recocido | 175 | 80 | 110 | 140 | 80 | 110 | 140 |
| | P2.2.Z.AN | 02.1 | Recocido | 240 | 80 | 110 | 140 | 80 | 110 | 140 |
| | P2.4.Z.AN | 02.1 | Recocido | 225 | 80 | 110 | 140 | 80 | 110 | 140 |
| | P2.5.Z.HT | 02.2 | Endurecido y templado | 330 | 70 | 100 | 130 | 50 | 75 | 100 |
| | P2.6.C.UT | 06.2 | Fundición - sin tratar | 200 | 70 | 100 | 130 | 70 | 100 | 130 |
| | | | **Acero de alta aleación** | | | | | | | |
| | P3.0.Z.AN | 03.11 | Recocido | 200 | 60 | 80 | 100 | 60 | 80 | 100 |
| | P3.0.Z.HT | 03.21 | Endurecido y templado | 380 | 40 | 60 | 80 | 40 | 60 | 80 |
| M | | | **Acero inoxidable ferrítico/martensítico** | | | | **Calidades 4334 y 2334** | | | |
| | P5.0.Z.AN | 05.11 | Recocido | 200 | 30 | 40 | 50 | 30 | 40 | 50 |
| | P5.0.Z.HT | 05.13 | Endurecido y templado | 330 | 70 | 90 | 110 | 60 | 75 | 90 |
| | | | **Acero inoxidable austenítico** | | | | **Calidad 2334 y 4334** | | | |
| | M1.0.Z.AQ | 05.21 | Recocido/revenido | 200 | 40 | 50 | 60 | 40 | 50 | 60 |
| | M1.0.C.UT | 15.21 | Fundido+no tratado | 200 | 50 | 60 | 70 | 50 | 60 | 70 |
| | M1.1.Z.AQ | 05.21 | Maquinabilidad optimizada | 200 | 60 | 75 | 90 | 60 | 75 | 90 |
| | | | **Acero inoxidable súperaustenítico (Ni ≥ 20%)** | | | | | | | |
| | M2.0.Z.AQ | 05.23 | Recocido/revenido | 200 | 20 | 40 | 60 | 20 | 40 | 60 |
| | M2.0.C.AQ | 15.23 | Fundido+recocido/revenido | 200 | 20 | 40 | 60 | 20 | 40 | 60 |
| | | | **Acero inoxidable dúplex (austenítico/ferrítico)** | | | | | | | |
| | M3.1.Z.AQ | 05.51 | >60% ferrita (N<0.10%) | 230 | 40 | 55 | 70 | 40 | 55 | 70 |
| | M3.2.Z.AQ | 05.52 | <60% ferrita (N ≥ 0.10%) | 260 | 20 | 40 | 60 | 20 | 40 | 60 |
| K | | | **Fundición maleable** | | | | **Calidades 3334 y 4334** | | | |
| | K1.1.C.NS | 07.1 | Ferrítica (viruta corta) | 130 | 100 | 145 | 190 | 100 | 145 | 190 |
| | K1.1.C.NS | 07.2 | Perlítica (viruta larga) | 200 | 90 | 125 | 160 | 90 | 125 | 160 |
| | | | **Fundición gris** | | | | | | | |
| | K2.1.C.UT | 08.1 | Baja resistencia a la tracción | 180 | 100 | 150 | 200 | 100 | 150 | 200 |
| | K2.2.C.UT | 08.2 | Alta resistencia a la tracción | 245 | 90 | 130 | 170 | 90 | 130 | 170 |
| | | | **Fundición nodular** | | | | | | | |
| | K3.1.C.UT | 09.1 | Ferrítica | 155 | 100 | 145 | 190 | 100 | 145 | 190 |
| | K3.3.C.UT | 09.2 | Perlítica | 265 | 90 | 125 | 160 | 90 | 125 | 160 |
| N | | | **Aleaciones con base de aluminio** | | | | **Calidad 4334** | | | |
| | N1.2.Z.AG | 30.12 | Aleaciones AlSi, Si ≤ 1% | 100 | 150 | 200 | 250 | 150 | 200 | 250 |
| | N1.3.C.AG | 30.22 | Aleaciones de fundición AlSi, Si > 1% y < 13% | 80 | 150 | 200 | 250 | 150 | 200 | 250 |
| S | | | **Superaleaciones termorresistentes** | | | | **Calidad 2334 y 4334** | | | |
| | S2.0.Z.AG | 20.22 | Con base Ni | 350 | 18 | 20 | 30 | 18 | 20 | 30 |
| | S4.3.Z.AN | 23.21 | A base de titanio | 330 | 25 | 40 | 60 | 25 | 40 | 60 |

SPA

# CoroDrill® 870

**< 6 x DC**

| Avance ($f_n$) en mm/r en correspondencia con el diámetro de la broca | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.00-11.99 mm | | | 12.00-13.99 mm | | | 14.00-15.99 mm | | | 16.00-20.99 mm | | | 21.00-25.99 mm | | | 26.00-33.00 mm | | |
| Mín. | Rec. | Máx. | Mín. | Rec. | Máx. | Mín. | Rec. | Máx. | Mín. | Rec. | Máx. | Mín. | Rec. | Máx. | Mín. | Rec. | Máx. |
| **Geometrías -PM y -GP** | | | | | | | | | | | | | | | | | |
| 0.12 | 0.18 | 0.28 | 0.14 | 0.20 | 0.35 | 0.16 | 0.25 | 0.41 | 0.20 | 0.32 | 0.45 | 0.20 | 0.34 | 0.45 | 0.20 | 0.34 | 0.45 |
| 0.12 | 0.18 | 0.28 | 0.14 | 0.20 | 0.35 | 0.16 | 0.25 | 0.41 | 0.20 | 0.32 | 0.45 | 0.20 | 0.34 | 0.45 | 0.20 | 0.34 | 0.45 |
| 0.12 | 0.18 | 0.28 | 0.14 | 0.20 | 0.35 | 0.16 | 0.25 | 0.41 | 0.20 | 0.32 | 0.45 | 0.20 | 0.34 | 0.45 | 0.20 | 0.34 | 0.45 |
| 0.12 | 0.18 | 0.28 | 0.14 | 0.20 | 0.35 | 0.16 | 0.25 | 0.41 | 0.20 | 0.32 | 0.45 | 0.20 | 0.34 | 0.45 | 0.20 | 0.34 | 0.45 |
| **Geometrías -PM. -KM y -GP** | | | | | | | | | | | | | | | | | |
| 0.12 | 0.18 | 0.30 | 0.14 | 0.20 | 0.37 | 0.16 | 0.25 | 0.45 | 0.20 | 0.32 | 0.48 | 0.20 | 0.36 | 0.50 | 0.20 | 0.40 | 0.52 |
| 0.12 | 0.18 | 0.30 | 0.14 | 0.20 | 0.37 | 0.16 | 0.25 | 0.45 | 0.20 | 0.32 | 0.48 | 0.20 | 0.36 | 0.50 | 0.20 | 0.40 | 0.52 |
| 0.12 | 0.18 | 0.30 | 0.14 | 0.20 | 0.37 | 0.16 | 0.25 | 0.45 | 0.20 | 0.32 | 0.48 | 0.20 | 0.36 | 0.50 | 0.20 | 0.40 | 0.52 |
| 0.12 | 0.18 | 0.30 | 0.14 | 0.20 | 0.37 | 0.16 | 0.25 | 0.45 | 0.20 | 0.32 | 0.48 | 0.20 | 0.36 | 0.50 | 0.20 | 0.40 | 0.52 |
| 0.12 | 0.18 | 0.30 | 0.14 | 0.20 | 0.37 | 0.16 | 0.25 | 0.45 | 0.20 | 0.32 | 0.48 | 0.20 | 0.36 | 0.50 | 0.20 | 0.40 | 0.52 |
| 0.10 | 0.16 | 0.24 | 0.12 | 0.19 | 0.33 | 0.14 | 0.22 | 0.38 | 0.18 | 0.25 | 0.40 | 0.18 | 0.30 | 0.45 | 0.18 | 0.30 | 0.45 |
| 0.10 | 0.16 | 0.24 | 0.12 | 0.19 | 0.33 | 0.14 | 0.22 | 0.38 | 0.18 | 0.25 | 0.40 | 0.18 | 0.30 | 0.45 | 0.18 | 0.30 | 0.45 |
| **Geometría -PM, -MM y -GP** | | | | | | | | | | | | | | | | | |
| 0.12 | 0.14 | 0.19 | 0.14 | 0.16 | 0.22 | 0.14 | 0.18 | 0.24 | 0.18 | 0.24 | 0.30 | 0.22 | 0.28 | 0.34 | 0.22 | 0.28 | 0.34 |
| 0.10 | 0.12 | 0.16 | 0.10 | 0.12 | 0.16 | 0.12 | 0.14 | 0.18 | 0.14 | 0.18 | 0.22 | 0.16 | 0.22 | 0.26 | 0.16 | 0.22 | 0.26 |
| **Geometrías -MM, PM y -GP** | | | | | | | | | | | | | | | | | |
| 0.10 | 0.12 | 0.14 | 0.10 | 0.12 | 0.14 | 0.12 | 0.14 | 0.16 | 0.12 | 0.16 | 0.2 | 0.14 | 0.18 | 0.22 | 0.14 | 0.18 | 0.22 |
| 0.10 | 0.12 | 0.14 | 0.10 | 0.12 | 0.14 | 0.12 | 0.14 | 0.16 | 0.12 | 0.16 | 0.2 | 0.14 | 0.18 | 0.22 | 0.14 | 0.18 | 0.22 |
| 0.10 | 0.12 | 0.16 | 0.10 | 0.12 | 0.16 | 0.12 | 0.14 | 0.18 | 0.14 | 0.16 | 0.22 | 0.14 | 0.18 | 0.24 | 0.14 | 0.18 | 0.24 |
| 0.10 | 0.12 | 0.14 | 0.10 | 0.12 | 0.16 | 0.10 | 0.12 | 0.16 | 0.10 | 0.14 | 0.16 | 0.12 | 0.14 | 0.18 | 0.12 | 0.14 | 0.18 |
| 0.10 | 0.12 | 0.14 | 0.10 | 0.12 | 0.16 | 0.10 | 0.12 | 0.16 | 0.10 | 0.14 | 0.16 | 0.12 | 0.14 | 0.18 | 0.12 | 0.14 | 0.18 |
| **Geometrías -MM y -GP** | | | | | | | | | | | | | | | | | |
| 0.10 | 0.12 | 0.16 | 0.10 | 0.12 | 0.16 | 0.12 | 0.14 | 0.18 | 0.14 | 0.16 | 0.22 | 0.14 | 0.16 | 0.22 | 0.14 | 0.16 | 0.22 |
| 0.10 | 0.12 | 0.14 | 0.10 | 0.12 | 0.14 | 0.12 | 0.14 | 0.16 | 0.12 | 0.16 | 0.2 | 0.12 | 0.16 | 0.2 | 0.12 | 0.16 | 0.2 |
| **Geometrías -KM, PM y -GP** | | | | | | | | | | | | | | | | | |
| 0.16 | 0.25 | 0.36 | 0.18 | 0.30 | 0.42 | 0.21 | 0.37 | 0.48 | 0.25 | 0.44 | 0.55 | 0.30 | 0.48 | 0.60 | 0.30 | 0.50 | 0.60 |
| 0.16 | 0.25 | 0.36 | 0.18 | 0.30 | 0.42 | 0.21 | 0.37 | 0.48 | 0.25 | 0.44 | 0.55 | 0.30 | 0.48 | 0.60 | 0.30 | 0.50 | 0.60 |
| 0.16 | 0.25 | 0.36 | 0.18 | 0.30 | 0.42 | 0.21 | 0.37 | 0.48 | 0.25 | 0.44 | 0.55 | 0.30 | 0.48 | 0.60 | 0.30 | 0.50 | 0.60 |
| 0.16 | 0.25 | 0.36 | 0.18 | 0.30 | 0.42 | 0.21 | 0.37 | 0.48 | 0.25 | 0.44 | 0.55 | 0.30 | 0.48 | 0.60 | 0.30 | 0.50 | 0.60 |
| 0.16 | 0.25 | 0.36 | 0.18 | 0.30 | 0.42 | 0.21 | 0.37 | 0.48 | 0.25 | 0.44 | 0.55 | 0.30 | 0.48 | 0.60 | 0.30 | 0.50 | 0.60 |
| 0.16 | 0.25 | 0.36 | 0.18 | 0.30 | 0.42 | 0.21 | 0.37 | 0.48 | 0.25 | 0.44 | 0.55 | 0.30 | 0.48 | 0.60 | 0.30 | 0.50 | 0.60 |
| **Geometrías -PM y -GP** | | | | | | | | | | | | | | | | | |
| 0.20 | 0.25 | 0.30 | 0.22 | 0.32 | 0.40 | 0.26 | 0.34 | 0.42 | 0.30 | 0.36 | 0.44 | 0.32 | 0.38 | 0.50 | 0.32 | 0.38 | 0.50 |
| 0.20 | 0.25 | 0.30 | 0.22 | 0.32 | 0.40 | 0.26 | 0.34 | 0.42 | 0.30 | 0.36 | 0.44 | 0.32 | 0.38 | 0.50 | 0.32 | 0.38 | 0.50 |
| **Geometrías -MM, -PM y -GP** | | | | | | | | | | | | | | | | | |
| 0.08 | 0.10 | 0.14 | 0.08 | 0.11 | 0.14 | 0.10 | 0.12 | 0.14 | 0.11 | 0.13 | 0.16 | 0.12 | 0.15 | 0.20 | 0.12 | 0.15 | 0.20 |
| 0.09 | 0.12 | 0.15 | 0.10 | 0.14 | 0.16 | 0.12 | 0.16 | 0.20 | 0.14 | 0.18 | 0.22 | 0.16 | 0.20 | 0.25 | 0.18 | 0.22 | 0.27 |

# CoroDrill® 870

**≥ 6 x DC**

| ISO | Núm. MC | N.º CMC | Material | Dureza Brinell (HB) | Velocidad de corte ($V_c$) m/min correlacionada con el diámetro de la broca | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10.00-20.99mm | | | 21.00-33.00mm | | |
| | | | | | Mín. | Rec. | Máx. | Mín. | Rec. | Máx. |
| P | | | **Acero no aleado** | | | | **Calidad 4334** | | | |
| | P1.1.Z.AN | 01.1 | C=0.10-0.25% | 125 | 80 | 120 | 160 | 80 | 120 | 160 |
| | P1.2.Z.AN | 01.2 | C=0.25-0.55% | 190 | 80 | 120 | 160 | 80 | 120 | 160 |
| | P1.3.Z.AN | 01.3 | C=0.55-0.80% | 190 | 70 | 100 | 130 | 70 | 100 | 130 |
| | P1.5.C.UT | 06.1 | Fundición - sin tratar | 150 | 80 | 110 | 140 | 80 | 110 | 140 |
| | | | **Acero de baja aleación** | | | | **Calidades 4334 y 3334** | | | |
| | P2.1.Z.AN | 02.1 | Recocido | 175 | 80 | 110 | 140 | 80 | 110 | 140 |
| | P2.2.Z.AN | 02.1 | Recocido | 240 | 80 | 110 | 140 | 80 | 110 | 140 |
| | P2.4.Z.AN | 02.1 | Recocido | 225 | 80 | 110 | 140 | 80 | 110 | 140 |
| | P2.5.Z.HT | 02.2 | Endurecido y templado | 330 | 70 | 100 | 130 | 50 | 75 | 100 |
| | P2.6.C.UT | 06.2 | Fundición - sin tratar | 200 | 70 | 100 | 130 | 70 | 100 | 130 |
| | | | **Acero de alta aleación** | | | | | | | |
| | P3.0.Z.AN | 03.11 | Recocido | 200 | 60 | 80 | 100 | 60 | 80 | 100 |
| | P3.0.Z.HT | 03.21 | Endurecido y templado | 380 | 40 | 60 | 80 | 40 | 60 | 80 |
| M | | | **Acero inoxidable ferrítico/martensítico** | | | | **Calidades 4334 y 2334** | | | |
| | P5.0.Z.AN | 05.11 | Recocido | 200 | 30 | 40 | 50 | 30 | 40 | 50 |
| | P5.0.Z.HT | 05.13 | Endurecido y templado | 330 | 70 | 90 | 110 | 60 | 75 | 90 |
| | | | **Acero inoxidable austenítico** | | | | **Calidad 2334 y 4334** | | | |
| | M1.0.Z.AQ | 05.21 | Recocido/revenido | 200 | 40 | 50 | 60 | 40 | 50 | 60 |
| | M1.0.C.UT | 15.21 | Fundido+no tratado | 200 | 50 | 60 | 70 | 50 | 60 | 70 |
| | M1.1.Z.AQ | 05.21 | Maquinabilidad optimizada | 200 | 60 | 75 | 90 | 60 | 75 | 90 |
| | | | **Acero inoxidable súperaustenítico (Ni ≥ 20%)** | | | | | | | |
| | M2.0.Z.AQ | 05.23 | Recocido/revenido | 200 | 20 | 40 | 60 | 20 | 40 | 60 |
| | M2.0.C.AQ | 15.23 | Fundido+recocido/revenido | 200 | 20 | 40 | 60 | 20 | 40 | 60 |
| | | | **Acero inoxidable dúplex (austenítico/ferrítico)** | | | | **Calidad 2334** | | | |
| | M3.1.Z.AQ | 05.51 | >60% ferrita (N<0.10%) | 230 | 40 | 55 | 70 | 40 | 55 | 70 |
| | M3.2.Z.AQ | 05.52 | <60% ferrita (N ≥ 0.10%) | 260 | 20 | 40 | 60 | 20 | 40 | 60 |
| K | | | **Fundición maleable** | | | | **Calidades 3334 y 4334** | | | |
| | K1.1.C.NS | 07.1 | Ferrítica (viruta corta) | 130 | 100 | 130 | 170 | 100 | 130 | 170 |
| | K1.1.C.NS | 07.2 | Perlítica (viruta larga) | 200 | 90 | 115 | 145 | 90 | 115 | 145 |
| | | | **Fundición gris** | | | | | | | |
| | K2.1.C.UT | 08.1 | Baja resistencia a la tracción | 180 | 100 | 135 | 180 | 100 | 135 | 180 |
| | K2.2.C.UT | 08.2 | Alta resistencia a la tracción | 245 | 90 | 120 | 155 | 90 | 120 | 155 |
| | | | **Fundición nodular** | | | | | | | |
| | K3.1.C.UT | 09.1 | Ferrítica | 155 | 100 | 130 | 170 | 100 | 130 | 170 |
| | K3.3.C.UT | 09.2 | Perlítica | 265 | 90 | 115 | 145 | 90 | 115 | 145 |
| N | | | **Aleaciones con base de aluminio** | | | | **Calidad 4334** | | | |
| | N1.2.Z.AG | 30.12 | Aleaciones AlSi, Si ≤ 1% | 100 | 150 | 200 | 250 | 150 | 200 | 250 |
| | N1.3.C.AG | 30.22 | Aleaciones de fundición AlSi, Si > 1% y < 13% | 80 | 150 | 200 | 250 | 150 | 200 | 250 |
| S | | | **Superaleaciones termorresistentes** | | | | **Calidad 2334 y 4334** | | | |
| | S2.0.Z.AG | 20.22 | Con base Ni | 350 | 18 | 20 | 30 | 18 | 20 | 30 |
| | S4.3.Z.AN | 23.21 | A base de titanio | 330 | 25 | 40 | 60 | 25 | 40 | 60 |

SPA

# CoroDrill® 870

**≥ 6 x DC**

| Avance ($f_n$) en mm/r en correspondencia con el diámetro de la broca | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **10.00-11.99 mm** | | | **12.00-13.99 mm** | | | **14.00-15.99 mm** | | | **16.00-20.99 mm** | | | **21.00-25.99 mm** | | | **26.00-33.00 mm** | | |
| **Mín.** | **Rec.** | **Máx.** | **Mín.** | **Rec.** | **Máx.** | **Mín.** | **Rec.** | **Máx.** | **Mín.** | **Rec.** | **Máx.** | **Mín.** | **Rec.** | **Máx.** | **Mín.** | **Rec.** | **Máx.** |
| **Geometría -PM** | | | | | | | | | | | | | | | | | |
| 0.12 | 0.14 | 0.22 | 0.14 | 0.16 | 0.28 | 0.16 | 0.20 | 0.33 | 0.20 | 0.26 | 0.36 | 0.20 | 0.27 | 0.36 | 0.20 | 0.27 | 0.36 |
| 0.12 | 0.14 | 0.22 | 0.14 | 0.16 | 0.28 | 0.16 | 0.20 | 0.33 | 0.20 | 0.26 | 0.36 | 0.20 | 0.27 | 0.36 | 0.20 | 0.27 | 0.36 |
| 0.12 | 0.14 | 0.22 | 0.14 | 0.16 | 0.28 | 0.16 | 0.20 | 0.33 | 0.20 | 0.26 | 0.36 | 0.20 | 0.27 | 0.36 | 0.20 | 0.27 | 0.36 |
| 0.12 | 0.14 | 0.22 | 0.14 | 0.16 | 0.28 | 0.16 | 0.20 | 0.33 | 0.20 | 0.26 | 0.36 | 0.20 | 0.27 | 0.36 | 0.20 | 0.27 | 0.36 |
| **Geometrías -PM y -KM** | | | | | | | | | | | | | | | | | |
| 0.12 | 0.14 | 0.24 | 0.14 | 0.16 | 0.30 | 0.16 | 0.20 | 0.36 | 0.20 | 0.26 | 0.38 | 0.20 | 0.29 | 0.40 | 0.20 | 0.32 | 0.42 |
| 0.12 | 0.14 | 0.24 | 0.14 | 0.16 | 0.30 | 0.16 | 0.20 | 0.36 | 0.20 | 0.26 | 0.38 | 0.20 | 0.29 | 0.40 | 0.20 | 0.32 | 0.42 |
| 0.12 | 0.14 | 0.24 | 0.14 | 0.16 | 0.30 | 0.16 | 0.20 | 0.36 | 0.20 | 0.26 | 0.38 | 0.20 | 0.29 | 0.40 | 0.20 | 0.32 | 0.42 |
| 0.12 | 0.13 | 0.21 | 0.14 | 0.15 | 0.26 | 0.16 | 0.18 | 0.32 | 0.20 | 0.22 | 0.34 | 0.20 | 0.25 | 0.35 | 0.20 | 0.28 | 0.36 |
| 0.12 | 0.14 | 0.24 | 0.14 | 0.16 | 0.30 | 0.16 | 0.20 | 0.36 | 0.20 | 0.26 | 0.38 | 0.20 | 0.29 | 0.40 | 0.20 | 0.32 | 0.42 |
| 0.10 | 0.13 | 0.19 | 0.12 | 0.15 | 0.26 | 0.14 | 0.18 | 0.30 | 0.18 | 0.20 | 0.32 | 0.18 | 0.24 | 0.36 | 0.18 | 0.24 | 0.36 |
| 0.10 | 0.11 | 0.17 | 0.12 | 0.13 | 0.23 | 0.14 | 0.15 | 0.27 | 0.18 | 0.19 | 0.28 | 0.18 | 0.21 | 0.32 | 0.18 | 0.21 | 0.32 |
| **Geometrías -PM y -MM** | | | | | | | | | | | | | | | | | |
| 0.12 | 0.13 | 0.15 | 0.14 | 0.15 | 0.18 | 0.14 | 0.15 | 0.19 | 0.18 | 0.19 | 0.24 | 0.22 | 0.23 | 0.27 | 0.22 | 0.23 | 0.27 |
| 0.10 | 0.11 | 0.12 | 0.10 | 0.11 | 0.12 | 0.12 | 0.13 | 0.14 | 0.14 | 0.15 | 0.16 | 0.16 | 0.17 | 0.18 | 0.16 | 0.17 | 0.18 |
| **Geometrías -MM y -PM** | | | | | | | | | | | | | | | | | |
| 0.10 | 0.11 | 0.12 | 0.10 | 0.11 | 0.12 | 0.12 | 0.13 | 0.14 | 0.12 | 0.13 | 0.16 | 0.14 | 0.15 | 0.18 | 0.14 | 0.15 | 0.18 |
| 0.10 | 0.11 | 0.12 | 0.10 | 0.11 | 0.12 | 0.12 | 0.13 | 0.14 | 0.12 | 0.13 | 0.16 | 0.14 | 0.15 | 0.18 | 0.14 | 0.15 | 0.18 |
| 0.10 | 0.11 | 0.13 | 0.10 | 0.11 | 0.13 | 0.12 | 0.13 | 0.14 | 0.14 | 0.15 | 0.18 | 0.14 | 0.15 | 0.19 | 0.14 | 0.15 | 0.19 |
| 0.10 | 0.11 | 0.12 | 0.10 | 0.11 | 0.13 | 0.10 | 0.11 | 0.13 | 0.10 | 0.11 | 0.13 | 0.12 | 0.13 | 0.14 | 0.12 | 0.13 | 0.14 |
| 0.10 | 0.11 | 0.12 | 0.10 | 0.11 | 0.13 | 0.10 | 0.11 | 0.13 | 0.10 | 0.11 | 0.13 | 0.12 | 0.13 | 0.14 | 0.12 | 0.13 | 0.14 |
| **Geometría -MM** | | | | | | | | | | | | | | | | | |
| 0.10 | 0.11 | 0.13 | 0.10 | 0.11 | 0.13 | 0.12 | 0.13 | 0.14 | 0.14 | 0.15 | 0.18 | 0.14 | 0.15 | 0.18 | 0.14 | 0.15 | 0.18 |
| 0.10 | 0.11 | 0.12 | 0.10 | 0.11 | 0.13 | 0.12 | 0.13 | 0.14 | 0.12 | 0.13 | 0.16 | 0.12 | 0.13 | 0.16 | 0.12 | 0.13 | 0.16 |
| **Geometrías -KM y -PM** | | | | | | | | | | | | | | | | | |
| 0.16 | 0.20 | 0.29 | 0.18 | 0.24 | 0.34 | 0.21 | 0.30 | 0.38 | 0.25 | 0.35 | 0.44 | 0.30 | 0.38 | 0.48 | 0.30 | 0.40 | 0.48 |
| 0.16 | 0.20 | 0.29 | 0.18 | 0.24 | 0.34 | 0.21 | 0.30 | 0.38 | 0.25 | 0.35 | 0.44 | 0.30 | 0.38 | 0.48 | 0.30 | 0.40 | 0.48 |
| 0.16 | 0.20 | 0.29 | 0.18 | 0.24 | 0.34 | 0.21 | 0.30 | 0.38 | 0.25 | 0.35 | 0.44 | 0.30 | 0.38 | 0.48 | 0.30 | 0.40 | 0.48 |
| 0.16 | 0.20 | 0.29 | 0.18 | 0.24 | 0.34 | 0.21 | 0.30 | 0.38 | 0.25 | 0.35 | 0.44 | 0.30 | 0.38 | 0.48 | 0.30 | 0.40 | 0.48 |
| 0.16 | 0.20 | 0.29 | 0.18 | 0.24 | 0.34 | 0.21 | 0.30 | 0.38 | 0.25 | 0.35 | 0.44 | 0.30 | 0.38 | 0.48 | 0.30 | 0.40 | 0.48 |
| 0.16 | 0.20 | 0.29 | 0.18 | 0.24 | 0.34 | 0.21 | 0.30 | 0.38 | 0.25 | 0.35 | 0.44 | 0.30 | 0.38 | 0.48 | 0.30 | 0.40 | 0.48 |
| **Geometría -PM** | | | | | | | | | | | | | | | | | |
| 0.20 | 0.22 | 0.28 | 0.22 | 0.24 | 0.35 | 0.26 | 0.28 | 0.38 | 0.30 | 0.32 | 0.40 | 0.32 | 0.34 | 0.45 | 0.32 | 0.34 | 0.45 |
| 0.20 | 0.22 | 0.28 | 0.22 | 0.24 | 0.35 | 0.26 | 0.28 | 0.38 | 0.30 | 0.32 | 0.40 | 0.32 | 0.34 | 0.45 | 0.32 | 0.34 | 0.45 |
| **Geometrías -MM y -PM** | | | | | | | | | | | | | | | | | |
| 0.08 | 0.10 | 0.14 | 0.08 | 0.11 | 0.14 | 0.10 | 0.12 | 0.14 | 0.11 | 0.13 | 0.16 | 0.12 | 0.15 | 0.20 | 0.12 | 0.15 | 0.20 |
| 0.09 | 0.11 | 0.14 | 0.10 | 0.12 | 0.15 | 0.12 | 0.14 | 0.18 | 0.14 | 0.16 | 0.20 | 0.16 | 0.18 | 0.22 | 0.18 | 0.20 | 0.25 |

# CoroDrill® DS20

**4 – 5 × DC**

| ISO | Núm. MC | Material | HB | Calidad | Recomendaciones de velocidad de corte 4-5xD Mín. | Rec. | Máx. | Diámetro de taladrado | Longitud de broca 4xD -S5W | -L5W | -L6W | -M7W | -H5W | Longitud de broca 5xD -S5W | -L5W | -L6W | -M7W | -H5W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Valor inicial recomendado en la mitad del rango de avance | | | | | | | | | |
| | | | | | | | | | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. |
| P | P1.0.Z.AN | Acero no aleado C=0.05-0.10% | 110 | 4324 | 230 | 340 | 400 | 15.00-18.00 | 0.04-0.08 | **0.04-0.08** | 0.04-0.08 | - | 0.04-0.1 | 0.04-0.07 | **0.04-0.07** | 0.04-0.07 | - | 0.04-0.09 |
| | | | | 4334 | 210 | 285 | 325 | 18.01-22.00 | 0.04-0.09 | **0.04-0.09** | 0.04-0.09 | - | 0.04-0.11 | 0.04-0.08 | **0.04-0.08** | 0.04-0.08 | - | 0.04-0.1 |
| | | | | 4344 | 190 | 225 | 245 | 22.01-27.00 | 0.04-0.1 | **0.04-0.1** | 0.04-0.1 | - | 0.04-0.12 | 0.04-0.09 | **0.04-0.09** | 0.04-0.09 | - | 0.04-0.11 |
| | | | | | | | | 27.01-33.00 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | 0.05-0.13 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | 0.05-0.12 |
| | | | | | | | | 33.01-40.00 | 0.05-0.12 | **0.05-0.12** | 0.05-0.12 | - | 0.05-0.16 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | 0.05-0.14 |
| | | | | | | | | 40.01-52.00 | 0.06-0.12 | **0.06-0.12** | 0.06-0.12 | - | 0.06-0.16 | 0.06-0.11 | **0.06-0.11** | 0.06-0.11 | - | 0.06-0.14 |
| | | | | | | | | 52.01-65.00 | 0.06-0.12 | **0.06-0.12** | 0.06-0.12 | - | 0.06-0.16 | 0.06-0.11 | **0.06-0.11** | 0.06-0.11 | - | 0.06-0.14 |
| | P1.1.Z.AN | Acero no aleado C=0.05-0.25% | 125 | 4324 | 230 | 320 | 370 | 15.00-18.00 | 0.04-0.1 | **0.04-0.1** | 0.04-0.1 | - | 0.04-0.1 | 0.04-0.09 | **0.04-0.09** | 0.04-0.09 | - | 0.04-0.09 |
| | | | | 4334 | 200 | 270 | 305 | 18.01-22.00 | 0.04-0.11 | **0.04-0.11** | 0.04-0.11 | - | 0.04-0.11 | 0.04-0.1 | **0.04-0.1** | 0.04-0.1 | - | 0.04-0.1 |
| | | | | 4344 | 170 | 210 | 235 | 22.01-27.00 | 0.04-0.12 | **0.04-0.12** | 0.04-0.12 | - | 0.04-0.12 | 0.04-0.11 | **0.04-0.11** | 0.04-0.11 | - | 0.04-0.11 |
| | | | | | | | | 27.01-33.00 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.13 | 0.05-0.12 | **0.05-0.12** | 0.05-0.12 | - | 0.05-0.12 |
| | | | | | | | | 33.01-40.00 | 0.05-0.14 | **0.05-0.14** | 0.05-0.14 | - | 0.05-0.16 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.14 |
| | | | | | | | | 40.01-52.00 | 0.06-0.14 | **0.06-0.14** | 0.06-0.14 | - | 0.06-0.16 | 0.06-0.13 | **0.06-0.13** | 0.06-0.13 | - | 0.06-0.14 |
| | | | | | | | | 52.01-65.00 | 0.06-0.14 | **0.06-0.14** | 0.06-0.14 | - | 0.06-0.16 | 0.06-0.13 | **0.06-0.13** | 0.06-0.13 | - | 0.06-0.14 |
| | P1.2.Z.AN | Acero no aleado C=0.25-0.55% | 190 | 4324 | 190 | 265 | 305 | 15.00-18.00 | - | 0.05-0.12 | 0.06-0.14 | **0.06-0.16** | - | - | 0.05-0.1 | 0.06-0.12 | **0.06-0.14** | - |
| | | | | 4334 | 155 | 215 | 250 | 18.01-22.00 | - | 0.05-0.14 | 0.06-0.16 | **0.06-0.18** | - | - | 0.05-0.12 | 0.06-0.14 | **0.06-0.15** | - |
| | | | | 4344 | 120 | 165 | 190 | 22.01-27.00 | - | 0.05-0.18 | 0.06-0.2 | **0.06-0.22** | - | - | 0.05-0.15 | 0.06-0.17 | **0.06-0.19** | - |
| | | | | | | | | 27.01-33.00 | - | 0.07-0.22 | 0.08-0.24 | **0.08-0.26** | - | - | 0.07-0.19 | 0.08-0.2 | **0.08-0.22** | - |
| | | | | | | | | 33.01-40.00 | - | 0.07-0.24 | 0.08-0.26 | **0.08-0.28** | - | - | 0.07-0.2 | 0.08-0.22 | **0.08-0.24** | - |
| | | | | | | | | 40.01-52.00 | - | 0.09-0.24 | 0.1-0.26 | **0.1-0.28** | - | - | 0.09-0.2 | 0.1-0.22 | **0.1-0.24** | - |
| | | | | | | | | 52.01-65.00 | - | 0.09-0.24 | 0.1-0.26 | **0.1-0.28** | - | - | 0.09-0.2 | 0.1-0.22 | **0.1-0.24** | - |
| | P1.3.Z.AN | Acero no aleado C=0.55-0.80% | 190 | 4324 | 170 | 250 | 290 | 15.00-18.00 | - | 0.05-0.12 | 0.06-0.14 | **0.06-0.16** | - | - | 0.05-0.1 | 0.06-0.12 | **0.06-0.14** | - |
| | | | | 4334 | 140 | 205 | 240 | 18.01-22.00 | - | 0.05-0.14 | 0.06-0.16 | **0.06-0.18** | - | - | 0.05-0.12 | 0.06-0.14 | **0.06-0.15** | - |
| | | | | 4344 | 105 | 155 | 185 | 22.01-27.00 | - | 0.05-0.18 | 0.06-0.2 | **0.06-0.22** | - | - | 0.05-0.15 | 0.06-0.17 | **0.06-0.19** | - |
| | | | | | | | | 27.01-33.00 | - | 0.07-0.22 | 0.08-0.24 | **0.08-0.26** | - | - | 0.07-0.19 | 0.08-0.2 | **0.08-0.22** | - |
| | | | | | | | | 33.01-40.00 | - | 0.07-0.24 | 0.08-0.26 | **0.08-0.28** | - | - | 0.07-0.2 | 0.08-0.22 | **0.08-0.24** | - |
| | | | | | | | | 40.01-52.00 | - | 0.09-0.24 | 0.1-0.26 | **0.1-0.28** | - | - | 0.09-0.2 | 0.1-0.22 | **0.1-0.24** | - |
| | | | | | | | | 52.01-65.00 | - | 0.09-0.24 | 0.1-0.26 | **0.1-0.28** | - | - | 0.09-0.2 | 0.1-0.22 | **0.1-0.24** | - |
| | P1.5.C.UT | Acero no aleado Fundición - sin tratar | 150 | 4324 | 140 | 260 | 325 | 15.00-18.00 | - | 0.04-0.12 | 0.04-0.12 | **0.04-0.12** | - | - | 0.04-0.1 | 0.04-0.1 | **0.04-0.1** | - |
| | | | | 4334 | 135 | 220 | 265 | 18.01-22.00 | - | 0.04-0.13 | 0.04-0.13 | **0.04-0.13** | - | - | 0.04-0.11 | 0.04-0.11 | **0.04-0.11** | - |
| | | | | 4344 | 125 | 175 | 200 | 22.01-27.00 | - | 0.04-0.14 | 0.04-0.14 | **0.04-0.14** | - | - | 0.04-0.12 | 0.04-0.12 | **0.04-0.12** | - |
| | | | | | | | | 27.01-33.00 | - | 0.05-0.15 | 0.05-0.15 | **0.05-0.15** | - | - | 0.05-0.13 | 0.05-0.13 | **0.05-0.13** | - |
| | | | | | | | | 33.01-40.00 | - | 0.05-0.16 | 0.05-0.16 | **0.05-0.16** | - | - | 0.05-0.14 | 0.05-0.14 | **0.05-0.14** | - |
| | | | | | | | | 40.01-52.00 | - | 0.06-0.16 | 0.06-0.16 | **0.06-0.16** | - | - | 0.06-0.14 | 0.06-0.14 | **0.06-0.14** | - |
| | | | | | | | | 52.01-65.00 | - | 0.06-0.16 | 0.06-0.16 | **0.06-0.16** | - | - | 0.06-0.14 | 0.06-0.14 | **0.06-0.14** | - |
| | P2.1.Z.AN | Acero de baja aleación Recocido | 175 | 4324 | 180 | 260 | 305 | 15.00-18.00 | - | - | 0.06-0.14 | **0.06-0.16** | - | - | - | 0.06-0.12 | **0.06-0.14** | - |
| | | | | 4334 | 150 | 215 | 250 | 18.01-22.00 | - | - | 0.06-0.16 | **0.06-0.18** | - | - | - | 0.06-0.14 | **0.06-0.15** | - |
| | | | | 4344 | 115 | 165 | 190 | 22.01-27.00 | - | - | 0.06-0.2 | **0.06-0.22** | - | - | - | 0.06-0.17 | **0.06-0.19** | - |
| | | | | | | | | 27.01-33.00 | - | - | 0.08-0.24 | **0.08-0.26** | - | - | - | 0.08-0.2 | **0.08-0.22** | - |
| | | | | | | | | 33.01-40.00 | - | - | 0.08-0.26 | **0.08-0.28** | - | - | - | 0.08-0.22 | **0.08-0.24** | - |
| | | | | | | | | 40.01-52.00 | - | - | 0.1-0.26 | **0.1-0.28** | - | - | - | 0.1-0.22 | **0.1-0.24** | - |
| | | | | | | | | 52.01-65.00 | - | - | 0.1-0.26 | **0.1-0.28** | - | - | - | 0.1-0.22 | **0.1-0.24** | - |
| | P2.2.Z.AN | Acero de baja aleación Recocido | 240 | 4324 | 180 | 250 | 290 | 15.00-18.00 | - | - | 0.06-0.14 | **0.06-0.16** | - | - | - | 0.06-0.12 | **0.06-0.14** | - |
| | | | | 4334 | 150 | 200 | 225 | 18.01-22.00 | - | - | 0.06-0.16 | **0.06-0.18** | - | - | - | 0.06-0.14 | **0.06-0.15** | - |
| | | | | 4344 | 115 | 175 | 205 | 22.01-27.00 | - | - | 0.06-0.2 | **0.06-0.22** | - | - | - | 0.06-0.17 | **0.06-0.19** | - |
| | | | | | | | | 27.01-33.00 | - | - | 0.08-0.24 | **0.08-0.26** | - | - | - | 0.08-0.2 | **0.08-0.22** | - |
| | | | | | | | | 33.01-40.00 | - | - | 0.08-0.26 | **0.08-0.28** | - | - | - | 0.08-0.22 | **0.08-0.24** | - |
| | | | | | | | | 40.01-52.00 | - | - | 0.1-0.26 | **0.1-0.28** | - | - | - | 0.1-0.22 | **0.1-0.24** | - |
| | | | | | | | | 52.01-65.00 | - | - | 0.1-0.26 | **0.1-0.28** | - | - | - | 0.1-0.22 | **0.1-0.24** | - |
| | P2.5.Z.HT | Acero de baja aleación Endurecido y templado | 330 | 4324 | 90 | 190 | 245 | 15.00-18.00 | - | - | 0.06-0.14 | **0.06-0.16** | - | - | - | 0.06-0.12 | **0.06-0.14** | - |
| | | | | 4334 | 85 | 155 | 195 | 18.01-22.00 | - | - | 0.06-0.16 | **0.06-0.18** | - | - | - | 0.06-0.14 | **0.06-0.15** | - |
| | | | | 4344 | 75 | 125 | 150 | 22.01-27.00 | - | - | 0.06-0.2 | **0.06-0.22** | - | - | - | 0.06-0.17 | **0.06-0.19** | - |
| | | | | | | | | 27.01-33.00 | - | - | 0.08-0.24 | **0.08-0.26** | - | - | - | 0.08-0.2 | **0.08-0.22** | - |
| | | | | | | | | 33.01-40.00 | - | - | 0.08-0.26 | **0.08-0.28** | - | - | - | 0.08-0.22 | **0.08-0.24** | - |
| | | | | | | | | 40.01-52.00 | - | - | 0.1-0.26 | **0.1-0.28** | - | - | - | 0.1-0.22 | **0.1-0.24** | - |
| | | | | | | | | 52.01-65.00 | - | - | 0.1-0.26 | **0.1-0.28** | - | - | - | 0.1-0.22 | **0.1-0.24** | - |
| | P2.6.C.UT | Acero de baja aleación Fundición - sin tratar | 200 | 4324 | 110 | 210 | 265 | 15.00-18.00 | - | - | 0.06-0.16 | **0.06-0.18** | - | - | - | 0.06-0.14 | **0.06-0.15** | - |
| | | | | 4334 | 105 | 175 | 210 | 18.01-22.00 | - | - | 0.06-0.18 | **0.06-0.2** | - | - | - | 0.06-0.15 | **0.06-0.17** | - |
| | | | | 4344 | 100 | 140 | 160 | 22.01-27.00 | - | - | 0.06-0.22 | **0.06-0.24** | - | - | - | 0.06-0.19 | **0.06-0.2** | - |
| | | | | | | | | 27.01-33.00 | - | - | 0.08-0.26 | **0.08-0.28** | - | - | - | 0.08-0.22 | **0.08-0.24** | - |
| | | | | | | | | 33.01-40.00 | - | - | 0.08-0.28 | **0.08-0.3** | - | - | - | 0.08-0.24 | **0.08-0.26** | - |
| | | | | | | | | 40.01-52.00 | - | - | 0.1-0.28 | **0.1-0.3** | - | - | - | 0.1-0.24 | **0.1-0.26** | - |
| | | | | | | | | 52.01-65.00 | - | - | 0.1-0.28 | **0.1-0.3** | - | - | - | 0.1-0.24 | **0.1-0.26** | - |
| | P3.0.Z.AN | Acero de alta aleación Recocido | 200 | 4324 | 160 | 245 | 290 | 15.00-18.00 | - | - | 0.06-0.14 | **0.06-0.16** | - | - | - | 0.06-0.12 | **0.06-0.14** | - |
| | | | | 4334 | 130 | 200 | 240 | 18.01-22.00 | - | - | 0.06-0.16 | **0.06-0.18** | - | - | - | 0.06-0.14 | **0.06-0.15** | - |
| | | | | 4344 | 100 | 150 | 180 | 22.01-27.00 | - | - | 0.06-0.2 | **0.06-0.22** | - | - | - | 0.06-0.17 | **0.06-0.19** | - |
| | | | | | | | | 27.01-33.00 | - | - | 0.08-0.24 | **0.08-0.26** | - | - | - | 0.08-0.2 | **0.08-0.22** | - |
| | | | | | | | | 33.01-40.00 | - | - | 0.08-0.26 | **0.08-0.28** | - | - | - | 0.08-0.22 | **0.08-0.24** | - |
| | | | | | | | | 40.01-52.00 | - | - | 0.1-0.26 | **0.1-0.28** | - | - | - | 0.1-0.22 | **0.1-0.24** | - |
| | | | | | | | | 52.01-65.00 | - | - | 0.1-0.26 | **0.1-0.28** | - | - | - | 0.1-0.22 | **0.1-0.24** | - |



SANDVIK Coromant

SPA

# CoroDrill® DS20

**4 – 5 × DC**

| ISO | Núm. MC | Material | HB | Calidad | Recomendaciones de velocidad de corte 4-5xD | | | Diámetro de taladrado | Longitud de broca 4xD -S5W | -L5W | -L6W | -M7W | -H5W | Longitud de broca 5xD -S5W | -L5W | -L6W | -M7W | -H5W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Valor inicial recomendado en la mitad del rango de avance | | | | | | | | | |
| P | P3.0.Z.HT | Acero de alta aleación | 380 | 4324 | 80 | 165 | 210 | 15.00-18.00 | - | - | 0.06-0.14 | **0.06-0.16** | - | - | - | 0.06-0.12 | **0.06-0.14** | - |
| | | Endurecido y templado | | 4334 | 75 | 140 | 175 | 18.01-22.00 | - | - | 0.06-0.16 | **0.06-0.18** | - | - | - | 0.06-0.14 | **0.06-0.15** | - |
| | | | | 4344 | 70 | 110 | 130 | 22.01-27.00 | - | - | 0.06-0.2 | **0.06-0.22** | - | - | - | 0.06-0.17 | **0.06-0.19** | - |
| | | | | | | | | 27.01-33.00 | - | - | 0.08-0.24 | **0.08-0.26** | - | - | - | 0.08-0.2 | **0.08-0.22** | - |
| | | | | | | | | 33.01-40.00 | - | - | 0.08-0.26 | **0.08-0.28** | - | - | - | 0.08-0.22 | **0.08-0.24** | - |
| | | | | | | | | 40.01-52.00 | - | - | 0.1-0.26 | **0.1-0.28** | - | - | - | 0.1-0.22 | **0.1-0.24** | - |
| | | | | | | | | 52.01-65.00 | - | - | 0.1-0.26 | **0.1-0.28** | - | - | - | 0.1-0.22 | **0.1-0.24** | - |
| | P5.0.Z.AN | Acero inoxidable ferrítico/ martensítico | 200 | 4334 | 115 | 185 | 225 | 15.00-18.00 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.12 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | 0.05-0.1 |
| | | | | 4344 | 115 | 155 | 175 | 18.01-22.00 | 0.05-0.14 | **0.05-0.14** | 0.05-0.14 | - | 0.05-0.13 | 0.05-0.12 | **0.05-0.12** | 0.05-0.12 | - | 0.05-0.11 |
| | | Recocido | | 2044 | 115 | 150 | 165 | 22.01-27.00 | 0.05-0.15 | **0.05-0.15** | 0.05-0.15 | - | 0.05-0.14 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.12 |
| | | | | | | | | 27.01-33.00 | 0.07-0.16 | **0.07-0.16** | 0.07-0.16 | - | 0.07-0.15 | 0.07-0.14 | **0.07-0.14** | 0.07-0.14 | - | 0.07-0.13 |
| | | | | | | | | 33.01-40.00 | 0.07-0.18 | **0.07-0.18** | 0.07-0.18 | - | 0.07-0.16 | 0.07-0.15 | **0.07-0.15** | 0.07-0.15 | - | 0.07-0.14 |
| | | | | | | | | 40.01-52.00 | 0.09-0.18 | **0.09-0.18** | 0.09-0.18 | - | 0.09-0.16 | 0.09-0.15 | **0.09-0.15** | 0.09-0.15 | - | 0.09-0.14 |
| | | | | | | | | 52.01-65.00 | 0.09-0.18 | **0.09-0.18** | 0.09-0.18 | - | 0.09-0.16 | 0.09-0.15 | **0.09-0.15** | 0.09-0.15 | - | 0.09-0.14 |
| | P5.0.Z.HT | Acero inoxidable ferrítico/ martensítico | 330 | 4334 | 75 | 135 | 170 | 15.00-18.00 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.12 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | 0.05-0.1 |
| | | | | 4344 | 70 | 115 | 140 | 18.01-22.00 | 0.05-0.14 | **0.05-0.14** | 0.05-0.14 | - | 0.05-0.13 | 0.05-0.12 | **0.05-0.12** | 0.05-0.12 | - | 0.05-0.11 |
| | | Endurecido y templado | | 2044 | 70 | 115 | 140 | 22.01-27.00 | 0.05-0.15 | **0.05-0.15** | 0.05-0.15 | - | 0.05-0.14 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.12 |
| | | | | | | | | 27.01-33.00 | 0.07-0.16 | **0.07-0.16** | 0.07-0.16 | - | 0.07-0.15 | 0.07-0.14 | **0.07-0.14** | 0.07-0.14 | - | 0.07-0.13 |
| | | | | | | | | 33.01-40.00 | 0.07-0.18 | **0.07-0.18** | 0.07-0.18 | - | 0.07-0.16 | 0.07-0.15 | **0.07-0.15** | 0.07-0.15 | - | 0.07-0.14 |
| | | | | | | | | 40.01-52.00 | 0.09-0.18 | **0.09-0.18** | 0.09-0.18 | - | 0.09-0.16 | 0.09-0.15 | **0.09-0.15** | 0.09-0.15 | - | 0.09-0.14 |
| | | | | | | | | 52.01-65.00 | 0.09-0.18 | **0.09-0.18** | 0.09-0.18 | - | 0.09-0.16 | 0.09-0.15 | **0.09-0.15** | 0.09-0.15 | - | 0.09-0.14 |
| M | M1.0.Z.AQ | Austenitic Stainless steel | 200 | 4334 | 115 | 185 | 225 | 15.00-18.00 | 0.05-0.12 | **0.05-0.12** | 0.05-0.12 | - | 0.05-0.11 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | 0.05-0.1 |
| | | | | 4344 | 115 | 165 | 190 | 18.01-22.00 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.12 | 0.05-0.12 | **0.05-0.12** | 0.05-0.12 | - | 0.05-0.11 |
| | | Annealed/quenched | | 2044 | 115 | 155 | 180 | 22.01-27.00 | 0.05-0.14 | **0.05-0.14** | 0.05-0.14 | - | 0.05-0.13 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.12 |
| | | | | | | | | 27.01-33.00 | 0.07-0.15 | **0.07-0.15** | 0.07-0.15 | - | 0.07-0.14 | 0.07-0.14 | **0.07-0.14** | 0.07-0.14 | - | 0.07-0.13 |
| | | | | | | | | 33.01-40.00 | 0.07-0.16 | **0.07-0.16** | 0.07-0.16 | - | 0.07-0.15 | 0.07-0.14 | **0.07-0.14** | 0.07-0.14 | - | 0.07-0.14 |
| | | | | | | | | 40.01-52.00 | 0.09-0.16 | **0.09-0.16** | 0.09-0.16 | - | 0.09-0.15 | 0.09-0.14 | **0.09-0.14** | 0.09-0.14 | - | 0.09-0.14 |
| | | | | | | | | 52.01-65.00 | 0.09-0.16 | **0.09-0.16** | 0.09-0.16 | - | 0.09-0.15 | 0.09-0.14 | **0.09-0.14** | 0.09-0.14 | - | 0.09-0.14 |
| | M1.1.Z.AQ | Austenitic Stainless steel | 200 | 4334 | 115 | 195 | 240 | 15.00-18.00 | 0.05-0.12 | **0.05-0.12** | 0.05-0.12 | - | 0.05-0.11 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | 0.05-0.1 |
| | | | | 4344 | 115 | 175 | 210 | 18.01-22.00 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.12 | 0.05-0.12 | **0.05-0.12** | 0.05-0.12 | - | 0.05-0.11 |
| | | Machinability improved | | 2044 | 115 | 170 | 200 | 22.01-27.00 | 0.05-0.14 | **0.05-0.14** | 0.05-0.14 | - | 0.05-0.13 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.12 |
| | | | | | | | | 27.01-33.00 | 0.07-0.15 | **0.07-0.15** | 0.07-0.15 | - | 0.07-0.14 | 0.07-0.14 | **0.07-0.14** | 0.07-0.14 | - | 0.07-0.13 |
| | | | | | | | | 33.01-40.00 | 0.07-0.16 | **0.07-0.16** | 0.07-0.16 | - | 0.07-0.15 | 0.07-0.14 | **0.07-0.14** | 0.07-0.14 | - | 0.07-0.14 |
| | | | | | | | | 40.01-52.00 | 0.09-0.16 | **0.09-0.16** | 0.09-0.16 | - | 0.09-0.15 | 0.09-0.14 | **0.09-0.14** | 0.09-0.14 | - | 0.09-0.14 |
| | | | | | | | | 52.01-65.00 | 0.09-0.16 | **0.09-0.16** | 0.09-0.16 | - | 0.09-0.15 | 0.09-0.14 | **0.09-0.14** | 0.09-0.14 | - | 0.09-0.14 |
| | M2.0.Z.AQ | Super Austenitic (Ni>20%) Stainless steel | 200 | 4334 | 80 | 125 | 150 | 15.00-18.00 | 0.05-0.12 | **0.05-0.12** | 0.05-0.12 | - | 0.05-0.11 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | 0.05-0.1 |
| | | | | 4344 | 80 | 110 | 125 | 18.01-22.00 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.12 | 0.05-0.12 | **0.05-0.12** | 0.05-0.12 | - | 0.05-0.11 |
| | | | | 2044 | 80 | 110 | 125 | 22.01-27.00 | 0.05-0.14 | **0.05-0.14** | 0.05-0.14 | - | 0.05-0.13 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.12 |
| | | Annealed/quenched | | | | | | 27.01-33.00 | 0.07-0.15 | **0.07-0.15** | 0.07-0.15 | - | 0.07-0.14 | 0.07-0.14 | **0.07-0.14** | 0.07-0.14 | - | 0.07-0.13 |
| | | | | | | | | 33.01-40.00 | 0.07-0.16 | **0.07-0.16** | 0.07-0.16 | - | 0.07-0.15 | 0.07-0.14 | **0.07-0.14** | 0.07-0.14 | - | 0.07-0.14 |
| | | | | | | | | 40.01-52.00 | 0.09-0.16 | **0.09-0.16** | 0.09-0.16 | - | 0.09-0.15 | 0.09-0.14 | **0.09-0.14** | 0.09-0.14 | - | 0.09-0.14 |
| | | | | | | | | 52.01-65.00 | 0.09-0.16 | **0.09-0.16** | 0.09-0.16 | - | 0.09-0.15 | 0.09-0.14 | **0.09-0.14** | 0.09-0.14 | - | 0.09-0.14 |
| | M3.1.Z.AQ | Duplex stainless steel | 230 | 4334 | 85 | 125 | 145 | 15.00-18.00 | 0.05-0.12 | **0.05-0.12** | 0.05-0.12 | - | 0.05-0.11 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | 0.05-0.1 |
| | | | | 4344 | 85 | 115 | 130 | 18.01-22.00 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.12 | 0.05-0.12 | **0.05-0.12** | 0.05-0.12 | - | 0.05-0.11 |
| | | >60% ferrite (N<0.10%) | | 2044 | 85 | 110 | 125 | 22.01-27.00 | 0.05-0.14 | **0.05-0.14** | 0.05-0.14 | - | 0.05-0.13 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.12 |
| | | | | | | | | 27.01-33.00 | 0.07-0.15 | **0.07-0.15** | 0.07-0.15 | - | 0.07-0.14 | 0.07-0.14 | **0.07-0.14** | 0.07-0.14 | - | 0.07-0.13 |
| | | | | | | | | 33.01-40.00 | 0.07-0.16 | **0.07-0.16** | 0.07-0.16 | - | 0.07-0.15 | 0.07-0.14 | **0.07-0.14** | 0.07-0.14 | - | 0.07-0.14 |
| | | | | | | | | 40.01-52.00 | 0.09-0.16 | **0.09-0.16** | 0.09-0.16 | - | 0.09-0.15 | 0.09-0.14 | **0.09-0.14** | 0.09-0.14 | - | 0.09-0.14 |
| | | | | | | | | 52.01-65.00 | 0.09-0.16 | **0.09-0.16** | 0.09-0.16 | - | 0.09-0.15 | 0.09-0.14 | **0.09-0.14** | 0.09-0.14 | - | 0.09-0.14 |
| | M3.2.Z.AQ | Duplex stainless steel | 260 | 4334 | 75 | 105 | 120 | 15.00-18.00 | 0.05-0.12 | **0.05-0.12** | 0.05-0.12 | - | 0.05-0.11 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | 0.05-0.1 |
| | | | | 4344 | 75 | 100 | 115 | 18.01-22.00 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.12 | 0.05-0.12 | **0.05-0.12** | 0.05-0.12 | - | 0.05-0.11 |
| | | <60% ferrite (N>0.10%) | | 2044 | 75 | 100 | 115 | 22.01-27.00 | 0.05-0.14 | **0.05-0.14** | 0.05-0.14 | - | 0.05-0.13 | 0.05-0.13 | **0.05-0.13** | 0.05-0.13 | - | 0.05-0.12 |
| | | | | | | | | 27.01-33.00 | 0.07-0.15 | **0.07-0.15** | 0.07-0.15 | - | 0.07-0.14 | 0.07-0.14 | **0.07-0.14** | 0.07-0.14 | - | 0.07-0.13 |
| | | | | | | | | 33.01-40.00 | 0.07-0.16 | **0.07-0.16** | 0.07-0.16 | - | 0.07-0.15 | 0.07-0.14 | **0.07-0.14** | 0.07-0.14 | - | 0.07-0.14 |
| | | | | | | | | 40.01-52.00 | 0.09-0.16 | **0.09-0.16** | 0.09-0.16 | - | 0.09-0.15 | 0.09-0.14 | **0.09-0.14** | 0.09-0.14 | - | 0.09-0.14 |
| | | | | | | | | 52.01-65.00 | 0.09-0.16 | **0.09-0.16** | 0.09-0.16 | - | 0.09-0.15 | 0.09-0.14 | **0.09-0.14** | 0.09-0.14 | - | 0.09-0.14 |
| S | S2.0.Z.AN | Heat resistant super alloys | 350 | 4334 | 20 | 40 | 50 | 15.00-18.00 | 0.04-0.08 | **0.04-0.08** | 0.04-0.08 | - | - | 0.04-0.07 | **0.04-0.07** | 0.04-0.07 | - | - |
| | S2.0.Z.AG | Ni based | | 4344 | 20 | 40 | 50 | 18.01-22.00 | 0.04-0.09 | **0.04-0.09** | 0.04-0.09 | - | - | 0.04-0.08 | **0.04-0.08** | 0.04-0.08 | - | - |
| | S2.0.Z.NS | | | 2044 | 20 | 40 | 50 | 22.01-27.00 | 0.04-0.1 | **0.04-0.1** | 0.04-0.1 | - | - | 0.04-0.09 | **0.04-0.09** | 0.04-0.09 | - | - |
| | | | | | | | | 27.01-33.00 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | - | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | - |
| | | | | | | | | 33.01-40.00 | 0.05-0.12 | **0.05-0.12** | 0.05-0.12 | - | - | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | - |
| | | | | | | | | 40.01-52.00 | 0.06-0.12 | **0.06-0.12** | 0.06-0.12 | - | - | 0.06-0.11 | **0.06-0.11** | 0.06-0.11 | - | - |
| | | | | | | | | 52.01-65.00 | 0.06-0.12 | **0.06-0.12** | 0.06-0.12 | - | - | 0.06-0.11 | **0.06-0.11** | 0.06-0.11 | - | - |
| | S4.2.Z.AN | Heat resistant super alloys | 330 | H13A | 40 | 90 | 120 | 15.00-18.00 | **0.06-0.14** | 0.06-0.14 | 0.06-0.14 | - | - | **0.06-0.12** | 0.06-0.12 | 0.06-0.12 | - | - |
| | S4.3.Z.AG | Ti based | | 4344 | 40 | 90 | 120 | 18.01-22.00 | **0.06-0.15** | 0.06-0.15 | 0.06-0.15 | - | - | **0.06-0.13** | 0.06-0.13 | 0.06-0.13 | - | - |
| | | | | 2044 | 40 | 90 | 120 | 22.01-27.00 | **0.06-0.16** | 0.06-0.16 | 0.06-0.16 | - | - | **0.06-0.14** | 0.06-0.14 | 0.06-0.14 | - | - |
| | | | | | | | | 27.01-33.00 | **0.08-0.17** | 0.08-0.17 | 0.08-0.17 | - | - | **0.08-0.14** | 0.08-0.14 | 0.08-0.14 | - | - |
| | | | | | | | | 33.01-40.00 | **0.08-0.18** | 0.08-0.18 | 0.08-0.18 | - | - | **0.08-0.15** | 0.08-0.15 | 0.08-0.15 | - | - |
| | | | | | | | | 40.01-52.00 | **0.1-0.18** | 0.1-0.18 | 0.1-0.18 | - | - | **0.1-0.15** | 0.1-0.15 | 0.1-0.15 | - | - |
| | | | | | | | | 52.01-65.00 | **0.1-0.18** | 0.1-0.18 | 0.1-0.18 | - | - | **0.1-0.15** | 0.1-0.15 | 0.1-0.15 | - | - |

# CoroDrill® DS20

**4 – 5 × DC**

| ISO | Núm. MC | Material | HB | Calidad | Recomendaciones de velocidad de corte 4-5xD | | | Diámetro de taladrado | Longitud de broca 4xD -S5W | -L5W | -L6W | -M7W | -H5W | Longitud de broca 5xD -S5W | -L5W | -L6W | -M7W | -H5W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Valor inicial recomendado en la mitad del rango de avance | | | | | | | | | |
| K | K1.1.C.NS | Malleable cast iron Low tensile strength | 200 | 4324 | 140 | 210 | 245 | 15.00-18.00 | - | 0.08-0.15 | 0.08-0.15 | **0.08-0.2** | - | - | 0.08-0.13 | 0.08-0.13 | **0.08-0.17** | - |
| | | | | 4334 | 110 | 170 | 200 | 18.01-22.00 | - | 0.08-0.18 | 0.08-0.18 | **0.08-0.23** | - | - | 0.08-0.15 | 0.08-0.15 | **0.08-0.2** | - |
| | | | | 4344 | 180 | 165 | 155 | 22.01-27.00 | - | 0.08-0.21 | 0.08-0.21 | **0.08-0.26** | - | - | 0.08-0.18 | 0.08-0.18 | **0.08-0.22** | - |
| | | | | | | | | 27.01-33.00 | - | 0.1-0.24 | 0.1-0.24 | **0.1-0.29** | - | - | 0.1-0.2 | 0.1-0.2 | **0.1-0.25** | - |
| | | | | | | | | 33.01-40.00 | - | 0.1-0.27 | 0.1-0.27 | **0.1-0.32** | - | - | 0.1-0.23 | 0.1-0.23 | **0.1-0.27** | - |
| | | | | | | | | 40.01-52.00 | - | 0.12-0.27 | 0.12-0.27 | **0.12-0.32** | - | - | 0.12-0.23 | 0.12-0.23 | **0.12-0.27** | - |
| | | | | | | | | 52.01-65.00 | - | 0.12-0.27 | 0.12-0.27 | **0.12-0.32** | - | - | 0.12-0.23 | 0.12-0.23 | **0.12-0.27** | - |
| | K2.1.C.UT | Grey cast iron Low tensile strength | 180 | 4324 | 210 | 285 | 325 | 15.00-18.00 | - | 0.08-0.15 | 0.08-0.15 | **0.08-0.2** | - | - | 0.08-0.13 | 0.08-0.13 | **0.08-0.17** | - |
| | | | | 4334 | 170 | 235 | 270 | 18.01-22.00 | - | 0.08-0.18 | 0.08-0.18 | **0.08-0.23** | - | - | 0.08-0.15 | 0.08-0.15 | **0.08-0.2** | - |
| | | | | 4344 | 130 | 180 | 205 | 22.01-27.00 | - | 0.08-0.21 | 0.08-0.21 | **0.08-0.26** | - | - | 0.08-0.18 | 0.08-0.18 | **0.08-0.22** | - |
| | | | | | | | | 27.01-33.00 | - | 0.1-0.24 | 0.1-0.24 | **0.1-0.29** | - | - | 0.1-0.2 | 0.1-0.2 | **0.1-0.25** | - |
| | | | | | | | | 33.01-40.00 | - | 0.1-0.27 | 0.1-0.27 | **0.1-0.32** | - | - | 0.1-0.23 | 0.1-0.23 | **0.1-0.27** | - |
| | | | | | | | | 40.01-52.00 | - | 0.12-0.27 | 0.12-0.27 | **0.12-0.32** | - | - | 0.12-0.23 | 0.12-0.23 | **0.12-0.27** | - |
| | | | | | | | | 52.01-65.00 | - | 0.12-0.27 | 0.12-0.27 | **0.12-0.32** | - | - | 0.12-0.23 | 0.12-0.23 | **0.12-0.27** | - |
| | K2.2.C.UT | Grey cast iron High tensile strength | 245 | 4324 | 125 | 205 | 245 | 15.00-18.00 | - | 0.08-0.13 | 0.08-0.13 | **0.08-0.18** | - | - | 0.08-0.11 | 0.08-0.11 | **0.08-0.15** | - |
| | | | | 4334 | 100 | 160 | 195 | 18.01-22.00 | - | 0.08-0.16 | 0.08-0.16 | **0.08-0.21** | - | - | 0.08-0.14 | 0.08-0.14 | **0.08-0.18** | - |
| | | | | 4344 | 75 | 125 | 150 | 22.01-27.00 | - | 0.08-0.19 | 0.08-0.19 | **0.08-0.24** | - | - | 0.08-0.16 | 0.08-0.16 | **0.08-0.2** | - |
| | | | | | | | | 27.01-33.00 | - | 0.1-0.22 | 0.1-0.22 | **0.1-0.27** | - | - | 0.1-0.19 | 0.1-0.19 | **0.1-0.23** | - |
| | | | | | | | | 33.01-40.00 | - | 0.1-0.25 | 0.1-0.25 | **0.1-0.3** | - | - | 0.1-0.21 | 0.1-0.21 | **0.1-0.26** | - |
| | | | | | | | | 40.01-52.00 | - | 0.12-0.25 | 0.12-0.25 | **0.12-0.3** | - | - | 0.12-0.21 | 0.12-0.21 | **0.12-0.26** | - |
| | | | | | | | | 52.01-65.00 | - | 0.12-0.25 | 0.12-0.25 | **0.12-0.3** | - | - | 0.12-0.21 | 0.12-0.21 | **0.12-0.26** | - |
| | K3.1.C.UT | Nodular cast iron Ferritic | 155 | 4324 | 125 | 190 | 225 | 15.00-18.00 | - | 0.08-0.13 | 0.08-0.13 | **0.08-0.18** | - | - | 0.08-0.11 | 0.08-0.11 | **0.08-0.15** | - |
| | | | | 4334 | 100 | 155 | 185 | 18.01-22.00 | - | 0.08-0.16 | 0.08-0.16 | **0.08-0.21** | - | - | 0.08-0.14 | 0.08-0.14 | **0.08-0.18** | - |
| | | | | 4344 | 80 | 120 | 145 | 22.01-27.00 | - | 0.08-0.19 | 0.08-0.19 | **0.08-0.24** | - | - | 0.08-0.16 | 0.08-0.16 | **0.08-0.2** | - |
| | | | | | | | | 27.01-33.00 | - | 0.1-0.22 | 0.1-0.22 | **0.1-0.27** | - | - | 0.1-0.19 | 0.1-0.19 | **0.1-0.23** | - |
| | | | | | | | | 33.01-40.00 | - | 0.1-0.25 | 0.1-0.25 | **0.1-0.3** | - | - | 0.1-0.21 | 0.1-0.21 | **0.1-0.26** | - |
| | | | | | | | | 40.01-52.00 | - | 0.12-0.25 | 0.12-0.25 | **0.12-0.3** | - | - | 0.12-0.21 | 0.12-0.21 | **0.12-0.26** | - |
| | | | | | | | | 52.01-65.00 | - | 0.12-0.25 | 0.12-0.25 | **0.12-0.3** | - | - | 0.12-0.21 | 0.12-0.21 | **0.12-0.26** | - |
| | K3.3.C.UT | Nodular cast iron Pearlitic | 265 | 4324 | 110 | 175 | 210 | 15.00-18.00 | - | 0.08-0.13 | 0.08-0.13 | **0.08-0.18** | - | - | 0.08-0.11 | 0.08-0.11 | **0.08-0.15** | - |
| | | | | 4334 | 90 | 145 | 175 | 18.01-22.00 | - | 0.08-0.16 | 0.08-0.16 | **0.08-0.21** | - | - | 0.08-0.14 | 0.08-0.14 | **0.08-0.18** | - |
| | | | | 4344 | 70 | 110 | 130 | 22.01-27.00 | - | 0.08-0.19 | 0.08-0.19 | **0.08-0.24** | - | - | 0.08-0.16 | 0.08-0.16 | **0.08-0.2** | - |
| | | | | | | | | 27.01-33.00 | - | 0.1-0.22 | 0.1-0.22 | **0.1-0.27** | - | - | 0.1-0.19 | 0.1-0.19 | **0.1-0.23** | - |
| | | | | | | | | 33.01-40.00 | - | 0.1-0.25 | 0.1-0.25 | **0.1-0.3** | - | - | 0.1-0.21 | 0.1-0.21 | **0.1-0.26** | - |
| | | | | | | | | 40.01-52.00 | - | 0.12-0.25 | 0.12-0.25 | **0.12-0.3** | - | - | 0.12-0.21 | 0.12-0.21 | **0.12-0.26** | - |
| | | | | | | | | 52.01-65.00 | - | 0.12-0.25 | 0.12-0.25 | **0.12-0.3** | - | - | 0.12-0.21 | 0.12-0.21 | **0.12-0.26** | - |
| | K4.2.C.UT | Compacted graphite iron High tensile strength (Pearlite>90%) | 230 | 4324 | 130 | 210 | 250 | 15.00-18.00 | - | 0.08-0.13 | 0.08-0.13 | **0.08-0.18** | - | - | 0.08-0.11 | 0.08-0.11 | **0.08-0.15** | - |
| | | | | 4334 | 110 | 170 | 200 | 18.01-22.00 | - | 0.08-0.16 | 0.08-0.16 | **0.08-0.21** | - | - | 0.08-0.14 | 0.08-0.14 | **0.08-0.18** | - |
| | | | | 4344 | 85 | 125 | 150 | 22.01-27.00 | - | 0.08-0.19 | 0.08-0.19 | **0.08-0.24** | - | - | 0.08-0.16 | 0.08-0.16 | **0.08-0.2** | - |
| | | | | | | | | 27.01-33.00 | - | 0.1-0.22 | 0.1-0.22 | **0.1-0.27** | - | - | 0.1-0.19 | 0.1-0.19 | **0.1-0.23** | - |
| | | | | | | | | 33.01-40.00 | - | 0.1-0.25 | 0.1-0.25 | **0.1-0.3** | - | - | 0.1-0.21 | 0.1-0.21 | **0.1-0.26** | - |
| | | | | | | | | 40.01-52.00 | - | 0.12-0.25 | 0.12-0.25 | **0.12-0.3** | - | - | 0.12-0.21 | 0.12-0.21 | **0.12-0.26** | - |
| | | | | | | | | 52.01-65.00 | - | 0.12-0.25 | 0.12-0.25 | **0.12-0.3** | - | - | 0.12-0.21 | 0.12-0.21 | **0.12-0.26** | - |
| H | H1.3.Z.HA | Extra hard steels Hardened & tempered | 60 (HRC) | 4324 | 30 | 65 | 85 | 15.00-18.00 | - | 0.06-0.13 | **0.06-0.13** | 0.06-0.13 | - | - | 0.06-0.11 | **0.06-0.11** | 0.06-0.11 | - |
| | | | | 4334 | 30 | 65 | 85 | 18.01-22.00 | - | 0.06-0.14 | **0.06-0.14** | 0.06-0.14 | - | - | 0.06-0.12 | **0.06-0.12** | 0.06-0.12 | - |
| | | | | 4344 | 30 | 65 | 85 | 22.01-27.00 | - | 0.06-0.15 | **0.06-0.15** | 0.06-0.15 | - | - | 0.06-0.13 | **0.06-0.13** | 0.06-0.13 | - |
| | | | | | | | | 27.01-33.00 | - | 0.08-0.16 | **0.08-0.16** | 0.08-0.16 | - | - | 0.08-0.14 | **0.08-0.14** | 0.08-0.14 | - |
| | | | | | | | | 33.01-40.00 | - | 0.08-0.18 | **0.08-0.18** | 0.08-0.18 | - | - | 0.08-0.15 | **0.08-0.15** | 0.08-0.15 | - |
| | | | | | | | | 40.01-52.00 | - | 0.1-0.18 | **0.1-0.18** | 0.1-0.18 | - | - | 0.1-0.15 | **0.1-0.15** | 0.1-0.15 | - |
| | | | | | | | | 52.01-65.00 | - | 0.1-0.18 | **0.1-0.18** | 0.1-0.18 | - | - | 0.1-0.15 | **0.1-0.15** | 0.1-0.15 | - |

SPA

# CoroDrill® DS20

**4 – 5 × DC**

| ISO | Núm. MC | Material | HB | Calidad | Recomendaciones de velocidad de corte | | | Diámetro de taladrado | Longitud de broca 4xD | | | | | Longitud de broca 5xD | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 4-5xD | | | -S5W | -L5W | -L6W | -M7W | -H5W | -S5W | -L5W | -L6W | -M7W | -H5W |
| | | | | | | | | | Valor inicial recomendado en la mitad del rango de avance | | | | | | | | | |
| N | N1.2.Z.AG | Aluminum based alloys<br>AlSi alloys (Si<1%) | 100 | H13A | 300 | 365 | 400 | 15.00-18.00 | **0.06-0.16** | 0.06-0.16 | 0.06-0.16 | - | - | **0.06-0.14** | 0.06-0.14 | 0.06-0.14 | - | - |
| | | | | 4344 | 300 | 365 | 400 | 18.01-22.00 | **0.06-0.18** | 0.06-0.18 | 0.06-0.18 | - | - | **0.06-0.15** | 0.06-0.15 | 0.06-0.15 | - | - |
| | | | | | | | | 22.01-27.00 | **0.06-0.2** | 0.06-0.2 | 0.06-0.2 | - | - | **0.06-0.17** | 0.06-0.17 | 0.06-0.17 | - | - |
| | | | | | | | | 27.01-33.00 | **0.08-0.22** | 0.08-0.22 | 0.08-0.22 | - | - | **0.08-0.19** | 0.08-0.19 | 0.08-0.19 | - | - |
| | | | | | | | | 33.01-40.00 | **0.08-0.25** | 0.08-0.25 | 0.08-0.25 | - | - | **0.08-0.21** | 0.08-0.21 | 0.08-0.21 | - | - |
| | | | | | | | | 40.01-52.00 | **0.1-0.25** | 0.1-0.25 | 0.1-0.25 | - | - | **0.1-0.21** | 0.1-0.21 | 0.1-0.21 | - | - |
| | | | | | | | | 52.01-65.00 | **0.1-0.25** | 0.1-0.25 | 0.1-0.25 | - | - | **0.1-0.21** | 0.1-0.21 | 0.1-0.21 | - | - |
| | N1.3.C.UT | Aluminum based alloys<br>AlSi cast alloys (1%< Si >13%) | 75 | H13A | 250 | 350 | 400 | 15.00-18.00 | **0.06-0.14** | 0.06-0.14 | 0.06-0.14 | - | - | **0.06-0.12** | 0.06-0.12 | 0.06-0.12 | - | - |
| | | | | 4344 | 250 | 350 | 400 | 18.01-22.00 | **0.06-0.16** | 0.06-0.16 | 0.06-0.16 | - | - | **0.06-0.14** | 0.06-0.14 | 0.06-0.14 | - | - |
| | | | | | | | | 22.01-27.00 | **0.06-0.18** | 0.06-0.18 | 0.06-0.18 | - | - | **0.06-0.15** | 0.06-0.15 | 0.06-0.15 | - | - |
| | | | | | | | | 27.01-33.00 | **0.08-0.2** | 0.08-0.2 | 0.08-0.2 | - | - | **0.08-0.17** | 0.08-0.17 | 0.08-0.17 | - | - |
| | | | | | | | | 33.01-40.00 | **0.08-0.22** | 0.08-0.22 | 0.08-0.22 | - | - | **0.08-0.19** | 0.08-0.19 | 0.08-0.19 | - | - |
| | | | | | | | | 40.01-52.00 | **0.1-0.22** | 0.1-0.22 | 0.1-0.22 | - | - | **0.1-0.19** | 0.1-0.19 | 0.1-0.19 | - | - |
| | | | | | | | | 52.01-65.00 | **0.1-0.22** | 0.1-0.22 | 0.1-0.22 | - | - | **0.1-0.19** | 0.1-0.19 | 0.1-0.19 | - | - |
| | N1.3.C.AG | Aluminum based alloys<br>AlSi cast and aged alloys (1%< Si >13%) | 90 | H13A | 250 | 315 | 350 | 15.00-18.00 | **0.06-0.14** | 0.06-0.14 | 0.06-0.14 | - | - | **0.06-0.12** | 0.06-0.12 | 0.06-0.12 | - | - |
| | | | | 4344 | 250 | 315 | 350 | 18.01-22.00 | **0.06-0.16** | 0.06-0.16 | 0.06-0.16 | - | - | **0.06-0.14** | 0.06-0.14 | 0.06-0.14 | - | - |
| | | | | | | | | 22.01-27.00 | **0.06-0.18** | 0.06-0.18 | 0.06-0.18 | - | - | **0.06-0.15** | 0.06-0.15 | 0.06-0.15 | - | - |
| | | | | | | | | 27.01-33.00 | **0.08-0.2** | 0.08-0.2 | 0.08-0.2 | - | - | **0.08-0.17** | 0.08-0.17 | 0.08-0.17 | - | - |
| | | | | | | | | 33.01-40.00 | **0.08-0.22** | 0.08-0.22 | 0.08-0.22 | - | - | **0.08-0.19** | 0.08-0.19 | 0.08-0.19 | - | - |
| | | | | | | | | 40.01-52.00 | **0.1-0.22** | 0.1-0.22 | 0.1-0.22 | - | - | **0.1-0.19** | 0.1-0.19 | 0.1-0.19 | - | - |
| | | | | | | | | 52.01-65.00 | **0.1-0.22** | 0.1-0.22 | 0.1-0.22 | - | - | **0.1-0.19** | 0.1-0.19 | 0.1-0.19 | - | - |
| | N3.3.U.UT | Copper based alloys<br>Free cutting copper based alloys | 110 | H13A | 250 | 350 | 400 | 15.00-18.00 | **0.06-0.16** | 0.06-0.16 | 0.06-0.16 | - | - | **0.06-0.14** | 0.06-0.14 | 0.06-0.14 | - | - |
| | | | | 4344 | 250 | 350 | 400 | 18.01-22.00 | **0.06-0.18** | 0.06-0.18 | 0.06-0.18 | - | - | **0.06-0.15** | 0.06-0.15 | 0.06-0.15 | - | - |
| | | | | | | | | 22.01-27.00 | **0.06-0.2** | 0.06-0.2 | 0.06-0.2 | - | - | **0.06-0.17** | 0.06-0.17 | 0.06-0.17 | - | - |
| | | | | | | | | 27.01-33.00 | **0.08-0.22** | 0.08-0.22 | 0.08-0.22 | - | - | **0.08-0.19** | 0.08-0.19 | 0.08-0.19 | - | - |
| | | | | | | | | 33.01-40.00 | **0.08-0.25** | 0.08-0.25 | 0.08-0.25 | - | - | **0.08-0.21** | 0.08-0.21 | 0.08-0.21 | - | - |
| | | | | | | | | 40.01-52.00 | **0.1-0.25** | 0.1-0.25 | 0.1-0.25 | - | - | **0.1-0.21** | 0.1-0.21 | 0.1-0.21 | - | - |
| | | | | | | | | 52.01-65.00 | **0.1-0.25** | 0.1-0.25 | 0.1-0.25 | - | - | **0.1-0.21** | 0.1-0.21 | 0.1-0.21 | - | - |
| | N3.2.C.UT | Copper based alloys<br>Leaded brass and bronzes (Pb<1%) | 90 | H13A | 180 | 220 | 240 | 15.00-18.00 | **0.06-0.16** | 0.06-0.16 | 0.06-0.16 | - | - | **0.06-0.14** | 0.06-0.14 | 0.06-0.14 | - | - |
| | | | | 4344 | 180 | 220 | 240 | 18.01-22.00 | **0.06-0.18** | 0.06-0.18 | 0.06-0.18 | - | - | **0.06-0.15** | 0.06-0.15 | 0.06-0.15 | - | - |
| | | | | | | | | 22.01-27.00 | **0.06-0.2** | 0.06-0.2 | 0.06-0.2 | - | - | **0.06-0.17** | 0.06-0.17 | 0.06-0.17 | - | - |
| | | | | | | | | 27.01-33.00 | **0.08-0.22** | 0.08-0.22 | 0.08-0.22 | - | - | **0.08-0.19** | 0.08-0.19 | 0.08-0.19 | - | - |
| | | | | | | | | 33.01-40.00 | **0.08-0.25** | 0.08-0.25 | 0.08-0.25 | - | - | **0.08-0.21** | 0.08-0.21 | 0.08-0.21 | - | - |
| | | | | | | | | 40.01-52.00 | **0.1-0.25** | 0.1-0.25 | 0.1-0.25 | - | - | **0.1-0.21** | 0.1-0.21 | 0.1-0.21 | - | - |
| | | | | | | | | 52.01-65.00 | **0.1-0.25** | 0.1-0.25 | 0.1-0.25 | - | - | **0.1-0.21** | 0.1-0.21 | 0.1-0.21 | - | - |

# CoroDrill® DS20

**6 – 7 × DC**

| ISO | Núm. MC | Material | HB | Calidad | Recomendaciones de velocidad de corte 6-7xD Mín. | Rec. | Máx. | Diámetro de taladrado | Longitud de taladrado 6xD -S5W | -L5W | -L6W | -M7W | -H5W | Longitud de taladrado 7xD -S5W | -L5W | -L6W | -M7W | -H5W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Valor inicial recomendado en la mitad del rango de avance | | | | | | | | | |
| | | | | | | | | | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. | $f_n$ mm/rev. |
| P | P1.0.Z.AN | Acero no aleado C=0.05-0.10% | 110 | 4324 | 230 | 305 | 360 | 15.00-18.00 | 0.04-0.06 | **0.04-0.06** | 0.04-0.06 | - | 0.04-0.08 | 0.04-0.05 | **0.04-0.05** | 0.04-0.05 | - | 0.04-0.07 |
| | | | | 4334 | 210 | 255 | 295 | 18.01-22.00 | 0.04-0.07 | **0.04-0.07** | 0.04-0.07 | - | 0.04-0.09 | 0.04-0.06 | **0.04-0.06** | 0.04-0.06 | - | 0.04-0.07 |
| | | | | 4344 | 190 | 205 | 220 | 22.01-27.00 | 0.04-0.08 | **0.04-0.08** | 0.04-0.08 | - | 0.04-0.1 | 0.04-0.07 | **0.04-0.07** | 0.04-0.07 | - | 0.04-0.08 |
| | | | | | | | | 27.01-33.00 | 0.05-0.09 | **0.05-0.09** | 0.05-0.09 | - | 0.05-0.1 | 0.05-0.07 | **0.05-0.07** | 0.05-0.07 | - | 0.05-0.08 |
| | | | | | | | | 33.01-40.00 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | 0.05-0.13 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.1 |
| | | | | | | | | 40.01-52.00 | 0.06-0.1 | **0.06-0.1** | 0.06-0.1 | - | 0.06-0.13 | 0.06-0.08 | **0.06-0.08** | 0.06-0.08 | - | 0.06-0.1 |
| | | | | | | | | 52.01-65.00 | 0.06-0.1 | **0.06-0.1** | 0.06-0.1 | - | 0.06-0.13 | 0.06-0.08 | **0.06-0.08** | 0.06-0.08 | - | 0.06-0.1 |
| | P1.1.Z.AN | Acero no aleado C=0.05-0.25% | 125 | 4324 | 230 | 290 | 335 | 15.00-18.00 | 0.04-0.08 | **0.04-0.08** | 0.04-0.08 | - | 0.04-0.08 | 0.04-0.07 | **0.04-0.07** | 0.04-0.07 | - | 0.04-0.07 |
| | | | | 4334 | 200 | 245 | 275 | 18.01-22.00 | 0.04-0.09 | **0.04-0.09** | 0.04-0.09 | - | 0.04-0.09 | 0.04-0.07 | **0.04-0.07** | 0.04-0.07 | - | 0.04-0.07 |
| | | | | 4344 | 170 | 190 | 210 | 22.01-27.00 | 0.04-0.1 | **0.04-0.1** | 0.04-0.1 | - | 0.04-0.1 | 0.04-0.08 | **0.04-0.08** | 0.04-0.08 | - | 0.04-0.08 |
| | | | | | | | | 27.01-33.00 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | 0.05-0.1 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.08 |
| | | | | | | | | 33.01-40.00 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | 0.05-0.13 | 0.05-0.09 | **0.05-0.09** | 0.05-0.09 | - | 0.05-0.1 |
| | | | | | | | | 40.01-52.00 | 0.06-0.11 | **0.06-0.11** | 0.06-0.11 | - | 0.06-0.13 | 0.06-0.09 | **0.06-0.09** | 0.06-0.09 | - | 0.06-0.1 |
| | | | | | | | | 52.01-65.00 | 0.06-0.11 | **0.06-0.11** | 0.06-0.11 | - | 0.06-0.13 | 0.06-0.09 | **0.06-0.09** | 0.06-0.09 | - | 0.06-0.1 |
| | P1.2.Z.AN | Acero no aleado C=0.25-0.55% | 190 | 4324 | 190 | 240 | 275 | 15.00-18.00 | - | 0.05-0.08 | 0.06-0.09 | **0.06-0.1** | - | - | 0.05-0.07 | 0.06-0.08 | **0.06-0.09** | - |
| | | | | 4334 | 155 | 195 | 225 | 18.01-22.00 | - | 0.05-0.09 | 0.06-0.1 | **0.06-0.12** | - | - | 0.05-0.08 | 0.06-0.09 | **0.06-0.1** | - |
| | | | | 4344 | 120 | 150 | 170 | 22.01-27.00 | - | 0.05-0.12 | 0.06-0.13 | **0.06-0.14** | - | - | 0.05-0.1 | 0.06-0.11 | **0.06-0.12** | - |
| | | | | | | | | 27.01-33.00 | - | 0.07-0.14 | 0.08-0.16 | **0.08-0.17** | - | - | 0.07-0.12 | 0.08-0.13 | **0.08-0.14** | - |
| | | | | | | | | 33.01-40.00 | - | 0.07-0.16 | 0.08-0.17 | **0.08-0.18** | - | - | 0.07-0.13 | 0.08-0.14 | **0.08-0.15** | - |
| | | | | | | | | 40.01-52.00 | - | 0.09-0.16 | 0.1-0.17 | **0.1-0.18** | - | - | 0.09-0.13 | 0.1-0.14 | **0.1-0.15** | - |
| | | | | | | | | 52.01-65.00 | - | 0.09-0.16 | 0.1-0.17 | **0.1-0.18** | - | - | 0.09-0.13 | 0.1-0.14 | **0.1-0.15** | - |
| | P1.3.Z.AN | Acero no aleado C=0.55-0.80% | 190 | 4324 | 170 | 225 | 260 | 15.00-18.00 | - | 0.05-0.08 | 0.06-0.09 | **0.06-0.1** | - | - | 0.05-0.07 | 0.06-0.08 | **0.06-0.09** | - |
| | | | | 4334 | 140 | 185 | 215 | 18.01-22.00 | - | 0.05-0.09 | 0.06-0.1 | **0.06-0.12** | - | - | 0.05-0.08 | 0.06-0.09 | **0.06-0.1** | - |
| | | | | 4344 | 105 | 140 | 165 | 22.01-27.00 | - | 0.05-0.12 | 0.06-0.13 | **0.06-0.14** | - | - | 0.05-0.1 | 0.06-0.11 | **0.06-0.12** | - |
| | | | | | | | | 27.01-33.00 | - | 0.07-0.14 | 0.08-0.16 | **0.08-0.17** | - | - | 0.07-0.12 | 0.08-0.13 | **0.08-0.14** | - |
| | | | | | | | | 33.01-40.00 | - | 0.07-0.16 | 0.08-0.17 | **0.08-0.18** | - | - | 0.07-0.13 | 0.08-0.14 | **0.08-0.15** | - |
| | | | | | | | | 40.01-52.00 | - | 0.09-0.16 | 0.1-0.17 | **0.1-0.18** | - | - | 0.09-0.13 | 0.1-0.14 | **0.1-0.15** | - |
| | | | | | | | | 52.01-65.00 | - | 0.09-0.16 | 0.1-0.17 | **0.1-0.18** | - | - | 0.09-0.13 | 0.1-0.14 | **0.1-0.15** | - |
| | P1.5.C.UT | Acero no aleado Fundición - sin tratar | 150 | 4324 | 140 | 235 | 295 | 15.00-18.00 | - | 0.04-0.08 | 0.04-0.08 | **0.04-0.08** | - | - | 0.04-0.07 | 0.04-0.07 | **0.04-0.07** | - |
| | | | | 4334 | 135 | 200 | 240 | 18.01-22.00 | - | 0.04-0.08 | 0.04-0.08 | **0.04-0.08** | - | - | 0.04-0.07 | 0.04-0.07 | **0.04-0.07** | - |
| | | | | 4344 | 125 | 160 | 180 | 22.01-27.00 | - | 0.04-0.09 | 0.04-0.09 | **0.04-0.09** | - | - | 0.04-0.08 | 0.04-0.08 | **0.04-0.08** | - |
| | | | | | | | | 27.01-33.00 | - | 0.05-0.1 | 0.05-0.1 | **0.05-0.1** | - | - | 0.05-0.08 | 0.05-0.08 | **0.05-0.08** | - |
| | | | | | | | | 33.01-40.00 | - | 0.05-0.1 | 0.05-0.1 | **0.05-0.1** | - | - | 0.05-0.09 | 0.05-0.09 | **0.05-0.09** | - |
| | | | | | | | | 40.01-52.00 | - | 0.06-0.1 | 0.06-0.1 | **0.06-0.1** | - | - | 0.06-0.09 | 0.06-0.09 | **0.06-0.09** | - |
| | | | | | | | | 52.01-65.00 | - | 0.06-0.1 | 0.06-0.1 | **0.06-0.1** | - | - | 0.06-0.09 | 0.06-0.09 | **0.06-0.09** | - |
| | P2.1.Z.AN | Acero de baja aleación Recocido | 175 | 4324 | 180 | 235 | 275 | 15.00-18.00 | - | - | 0.06-0.09 | **0.06-0.1** | - | - | - | 0.06-0.08 | **0.06-0.09** | - |
| | | | | 4334 | 150 | 195 | 225 | 18.01-22.00 | - | - | 0.06-0.1 | **0.06-0.12** | - | - | - | 0.06-0.09 | **0.06-0.1** | - |
| | | | | 4344 | 115 | 150 | 170 | 22.01-27.00 | - | - | 0.06-0.13 | **0.06-0.14** | - | - | - | 0.06-0.11 | **0.06-0.12** | - |
| | | | | | | | | 27.01-33.00 | - | - | 0.08-0.16 | **0.08-0.17** | - | - | - | 0.08-0.13 | **0.08-0.14** | - |
| | | | | | | | | 33.01-40.00 | - | - | 0.08-0.17 | **0.08-0.18** | - | - | - | 0.08-0.14 | **0.08-0.15** | - |
| | | | | | | | | 40.01-52.00 | - | - | 0.1-0.17 | **0.1-0.18** | - | - | - | 0.1-0.14 | **0.1-0.15** | - |
| | | | | | | | | 52.01-65.00 | - | - | 0.1-0.17 | **0.1-0.18** | - | - | - | 0.1-0.14 | **0.1-0.15** | - |
| | P2.2.Z.AN | Acero de baja aleación Recocido | 240 | 4324 | 180 | 225 | 260 | 15.00-18.00 | - | - | 0.06-0.09 | **0.06-0.1** | - | - | - | 0.06-0.08 | **0.06-0.09** | - |
| | | | | 4334 | 150 | 180 | 205 | 18.01-22.00 | - | - | 0.06-0.1 | **0.06-0.12** | - | - | - | 0.06-0.09 | **0.06-0.1** | - |
| | | | | 4344 | 115 | 160 | 185 | 22.01-27.00 | - | - | 0.06-0.13 | **0.06-0.14** | - | - | - | 0.06-0.11 | **0.06-0.12** | - |
| | | | | | | | | 27.01-33.00 | - | - | 0.08-0.16 | **0.08-0.17** | - | - | - | 0.08-0.13 | **0.08-0.14** | - |
| | | | | | | | | 33.01-40.00 | - | - | 0.08-0.17 | **0.08-0.18** | - | - | - | 0.08-0.14 | **0.08-0.15** | - |
| | | | | | | | | 40.01-52.00 | - | - | 0.1-0.17 | **0.1-0.18** | - | - | - | 0.1-0.14 | **0.1-0.15** | - |
| | | | | | | | | 52.01-65.00 | - | - | 0.1-0.17 | **0.1-0.18** | - | - | - | 0.1-0.14 | **0.1-0.15** | - |
| | P2.5.Z.HT | Acero de baja aleación Endurecido y templado | 330 | 4324 | 90 | 170 | 220 | 15.00-18.00 | - | - | 0.06-0.09 | **0.06-0.1** | - | - | - | 0.06-0.08 | **0.06-0.09** | - |
| | | | | 4334 | 85 | 140 | 175 | 18.01-22.00 | - | - | 0.06-0.1 | **0.06-0.12** | - | - | - | 0.06-0.09 | **0.06-0.1** | - |
| | | | | 4344 | 75 | 115 | 135 | 22.01-27.00 | - | - | 0.06-0.13 | **0.06-0.14** | - | - | - | 0.06-0.11 | **0.06-0.12** | - |
| | | | | | | | | 27.01-33.00 | - | - | 0.08-0.16 | **0.08-0.17** | - | - | - | 0.08-0.13 | **0.08-0.14** | - |
| | | | | | | | | 33.01-40.00 | - | - | 0.08-0.17 | **0.08-0.18** | - | - | - | 0.08-0.14 | **0.08-0.15** | - |
| | | | | | | | | 40.01-52.00 | - | - | 0.1-0.17 | **0.1-0.18** | - | - | - | 0.1-0.14 | **0.1-0.15** | - |
| | | | | | | | | 52.01-65.00 | - | - | 0.1-0.17 | **0.1-0.18** | - | - | - | 0.1-0.14 | **0.1-0.15** | - |
| | P2.6.C.UT | Acero de baja aleación Fundición - sin tratar | 200 | 4324 | 110 | 190 | 240 | 15.00-18.00 | - | - | 0.06-0.1 | **0.06-0.12** | - | - | - | 0.06-0.09 | **0.06-0.1** | - |
| | | | | 4334 | 105 | 160 | 190 | 18.01-22.00 | - | - | 0.06-0.12 | **0.06-0.13** | - | - | - | 0.06-0.1 | **0.06-0.11** | - |
| | | | | 4344 | 100 | 125 | 145 | 22.01-27.00 | - | - | 0.06-0.14 | **0.06-0.16** | - | - | - | 0.06-0.12 | **0.06-0.13** | - |
| | | | | | | | | 27.01-33.00 | - | - | 0.08-0.17 | **0.08-0.18** | - | - | - | 0.08-0.14 | **0.08-0.15** | - |
| | | | | | | | | 33.01-40.00 | - | - | 0.08-0.18 | **0.08-0.2** | - | - | - | 0.08-0.15 | **0.08-0.17** | - |
| | | | | | | | | 40.01-52.00 | - | - | 0.1-0.18 | **0.1-0.2** | - | - | - | 0.1-0.15 | **0.1-0.17** | - |
| | | | | | | | | 52.01-65.00 | - | - | 0.1-0.18 | **0.1-0.2** | - | - | - | 0.1-0.15 | **0.1-0.17** | - |
| | P3.0.Z.AN | Acero de alta aleación Recocido | 200 | 4324 | 160 | 220 | 260 | 15.00-18.00 | - | - | 0.06-0.09 | **0.06-0.1** | - | - | - | 0.06-0.08 | **0.06-0.09** | - |
| | | | | 4334 | 130 | 180 | 215 | 18.01-22.00 | - | - | 0.06-0.1 | **0.06-0.12** | - | - | - | 0.06-0.09 | **0.06-0.1** | - |
| | | | | 4344 | 100 | 135 | 160 | 22.01-27.00 | - | - | 0.06-0.13 | **0.06-0.14** | - | - | - | 0.06-0.11 | **0.06-0.12** | - |
| | | | | | | | | 27.01-33.00 | - | - | 0.08-0.16 | **0.08-0.17** | - | - | - | 0.08-0.13 | **0.08-0.14** | - |
| | | | | | | | | 33.01-40.00 | - | - | 0.08-0.17 | **0.08-0.18** | - | - | - | 0.08-0.14 | **0.08-0.15** | - |
| | | | | | | | | 40.01-52.00 | - | - | 0.1-0.17 | **0.1-0.18** | - | - | - | 0.1-0.14 | **0.1-0.15** | - |
| | | | | | | | | 52.01-65.00 | - | - | 0.1-0.17 | **0.1-0.18** | - | - | - | 0.1-0.14 | **0.1-0.15** | - |

SPA

# CoroDrill® DS20

**6 – 7 × DC**

| ISO | Núm. MC | Material | HB | Calidad | Recomendaciones de velocidad de corte 6-7xD | | | Diámetro de taladrado | Longitud de taladrado 6xD -S5W | -L5W | -L6W | -M7W | -H5W | Longitud de taladrado 7xD -S5W | -L5W | -L6W | -M7W | -H5W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Valor inicial recomendado en la mitad del rango de avance | | | | | | | | | |
| P | P3.0.Z.HT | Acero de alta aleación | 380 | 4324 | 80 | 150 | 190 | 15.00-18.00 | - | - | 0.06-0.09 | **0.06-0.1** | - | - | - | 0.06-0.08 | **0.06-0.09** | - |
| | | | | 4334 | 75 | 125 | 160 | 18.01-22.00 | - | - | 0.06-0.1 | **0.06-0.12** | - | - | - | 0.06-0.09 | **0.06-0.1** | - |
| | | Endurecido y templado | | 4344 | 70 | 100 | 115 | 22.01-27.00 | - | - | 0.06-0.13 | **0.06-0.14** | - | - | - | 0.06-0.11 | **0.06-0.12** | - |
| | | | | | | | | 27.01-33.00 | - | - | 0.08-0.16 | **0.08-0.17** | - | - | - | 0.08-0.13 | **0.08-0.14** | - |
| | | | | | | | | 33.01-40.00 | - | - | 0.08-0.17 | **0.08-0.18** | - | - | - | 0.08-0.14 | **0.08-0.15** | - |
| | | | | | | | | 40.01-52.00 | - | - | 0.1-0.17 | **0.1-0.18** | - | - | - | 0.1-0.14 | **0.1-0.15** | - |
| | | | | | | | | 52.01-65.00 | - | - | 0.1-0.17 | **0.1-0.18** | - | - | - | 0.1-0.14 | **0.1-0.15** | - |
| | P5.0.Z.AN | Acero inoxidable ferrítico/ martensítico | 200 | 4334 | 115 | 165 | 205 | 15.00-18.00 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.08 | 0.05-0.07 | **0.05-0.07** | 0.05-0.07 | - | 0.05-0.07 |
| | | | | 4344 | 115 | 140 | 160 | 18.01-22.00 | 0.05-0.09 | **0.05-0.09** | 0.05-0.09 | - | 0.05-0.08 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.07 |
| | | Recocido | | 2044 | 115 | 135 | 150 | 22.01-27.00 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | 0.05-0.09 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.08 |
| | | | | | | | | 27.01-33.00 | 0.07-0.1 | **0.07-0.1** | 0.07-0.1 | - | 0.07-0.1 | 0.07-0.09 | **0.07-0.09** | 0.07-0.09 | - | 0.07-0.08 |
| | | | | | | | | 33.01-40.00 | 0.07-0.12 | **0.07-0.12** | 0.07-0.12 | - | 0.07-0.1 | 0.07-0.1 | **0.07-0.1** | 0.07-0.1 | - | 0.07-0.09 |
| | | | | | | | | 40.01-52.00 | 0.09-0.12 | **0.09-0.12** | 0.09-0.12 | - | 0.09-0.1 | 0.09-0.1 | **0.09-0.1** | 0.09-0.1 | - | 0.09-0.09 |
| | | | | | | | | 52.01-65.00 | 0.09-0.12 | **0.09-0.12** | 0.09-0.12 | - | 0.09-0.1 | 0.09-0.1 | **0.09-0.1** | 0.09-0.1 | - | 0.09-0.09 |
| | P5.0.Z.HT | Acero inoxidable ferrítico/ martensítico | 330 | 4334 | 75 | 120 | 155 | 15.00-18.00 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.08 | 0.05-0.07 | **0.05-0.07** | 0.05-0.07 | - | 0.05-0.07 |
| | | | | 4344 | 70 | 105 | 125 | 18.01-22.00 | 0.05-0.09 | **0.05-0.09** | 0.05-0.09 | - | 0.05-0.08 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.07 |
| | | Endurecido y templado | | 2044 | 70 | 105 | 125 | 22.01-27.00 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | 0.05-0.09 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.08 |
| | | | | | | | | 27.01-33.00 | 0.07-0.1 | **0.07-0.1** | 0.07-0.1 | - | 0.07-0.1 | 0.07-0.09 | **0.07-0.09** | 0.07-0.09 | - | 0.07-0.08 |
| | | | | | | | | 33.01-40.00 | 0.07-0.12 | **0.07-0.12** | 0.07-0.12 | - | 0.07-0.1 | 0.07-0.1 | **0.07-0.1** | 0.07-0.1 | - | 0.07-0.09 |
| | | | | | | | | 40.01-52.00 | 0.09-0.12 | **0.09-0.12** | 0.09-0.12 | - | 0.09-0.1 | 0.09-0.1 | **0.09-0.1** | 0.09-0.1 | - | 0.09-0.09 |
| | | | | | | | | 52.01-65.00 | 0.09-0.12 | **0.09-0.12** | 0.09-0.12 | - | 0.09-0.1 | 0.09-0.1 | **0.09-0.1** | 0.09-0.1 | - | 0.09-0.09 |
| M | M1.0.Z.AQ | Acero inoxidable austenítico | 200 | 4334 | 115 | 165 | 205 | 15.00-18.00 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | 0.05-0.09 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.07 |
| | | | | 4344 | 115 | 150 | 170 | 18.01-22.00 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | 0.05-0.1 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.08 |
| | | Annealed/quenched | | 2044 | 115 | 140 | 160 | 22.01-27.00 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | 0.05-0.1 | 0.05-0.09 | **0.05-0.09** | 0.05-0.09 | - | 0.05-0.08 |
| | | | | | | | | 27.01-33.00 | 0.07-0.12 | **0.07-0.12** | 0.07-0.12 | - | 0.07-0.11 | 0.07-0.1 | **0.07-0.1** | 0.07-0.1 | - | 0.07-0.09 |
| | | | | | | | | 33.01-40.00 | 0.07-0.13 | **0.07-0.13** | 0.07-0.13 | - | 0.07-0.12 | 0.07-0.1 | **0.07-0.1** | 0.07-0.1 | - | 0.07-0.1 |
| | | | | | | | | 40.01-52.00 | 0.09-0.13 | **0.09-0.13** | 0.09-0.13 | - | 0.09-0.12 | 0.09-0.1 | **0.09-0.1** | 0.09-0.1 | - | 0.09-0.1 |
| | | | | | | | | 52.01-65.00 | 0.09-0.13 | **0.09-0.13** | 0.09-0.13 | - | 0.09-0.12 | 0.09-0.1 | **0.09-0.1** | 0.09-0.1 | - | 0.09-0.1 |
| | M1.1.Z.AQ | Acero inoxidable austenítico | 200 | 4334 | 115 | 175 | 215 | 15.00-18.00 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | 0.05-0.09 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.07 |
| | | | | 4344 | 115 | 160 | 190 | 18.01-22.00 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | 0.05-0.1 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.08 |
| | | Maquinabilidad optimizada | | 2044 | 115 | 155 | 180 | 22.01-27.00 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | 0.05-0.1 | 0.05-0.09 | **0.05-0.09** | 0.05-0.09 | - | 0.05-0.08 |
| | | | | | | | | 27.01-33.00 | 0.07-0.12 | **0.07-0.12** | 0.07-0.12 | - | 0.07-0.11 | 0.07-0.1 | **0.07-0.1** | 0.07-0.1 | - | 0.07-0.09 |
| | | | | | | | | 33.01-40.00 | 0.07-0.13 | **0.07-0.13** | 0.07-0.13 | - | 0.07-0.12 | 0.07-0.1 | **0.07-0.1** | 0.07-0.1 | - | 0.07-0.1 |
| | | | | | | | | 40.01-52.00 | 0.09-0.13 | **0.09-0.13** | 0.09-0.13 | - | 0.09-0.12 | 0.09-0.1 | **0.09-0.1** | 0.09-0.1 | - | 0.09-0.1 |
| | | | | | | | | 52.01-65.00 | 0.09-0.13 | **0.09-0.13** | 0.09-0.13 | - | 0.09-0.12 | 0.09-0.1 | **0.09-0.1** | 0.09-0.1 | - | 0.09-0.1 |
| | M2.0.Z.AQ | Acero inoxidable súper austenítico (Ni>20%) | 200 | 4334 | 80 | 115 | 135 | 15.00-18.00 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | 0.05-0.09 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.07 |
| | | | | 4344 | 80 | 100 | 115 | 18.01-22.00 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | 0.05-0.1 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.08 |
| | | | | 2044 | 80 | 100 | 115 | 22.01-27.00 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | 0.05-0.1 | 0.05-0.09 | **0.05-0.09** | 0.05-0.09 | - | 0.05-0.08 |
| | | Recocido/revenido | | | | | | 27.01-33.00 | 0.07-0.12 | **0.07-0.12** | 0.07-0.12 | - | 0.07-0.11 | 0.07-0.1 | **0.07-0.1** | 0.07-0.1 | - | 0.07-0.09 |
| | | | | | | | | 33.01-40.00 | 0.07-0.13 | **0.07-0.13** | 0.07-0.13 | - | 0.07-0.12 | 0.07-0.1 | **0.07-0.1** | 0.07-0.1 | - | 0.07-0.1 |
| | | | | | | | | 40.01-52.00 | 0.09-0.13 | **0.09-0.13** | 0.09-0.13 | - | 0.09-0.12 | 0.09-0.1 | **0.09-0.1** | 0.09-0.1 | - | 0.09-0.1 |
| | | | | | | | | 52.01-65.00 | 0.09-0.13 | **0.09-0.13** | 0.09-0.13 | - | 0.09-0.12 | 0.09-0.1 | **0.09-0.1** | 0.09-0.1 | - | 0.09-0.1 |
| | M3.1.Z.AQ | Acero inoxidable dúplex | 230 | 4334 | 85 | 115 | 130 | 15.00-18.00 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | 0.05-0.09 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.07 |
| | | | | 4344 | 85 | 105 | 115 | 18.01-22.00 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | 0.05-0.1 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.08 |
| | | >60% ferrita (N<0.10%) | | 2044 | 85 | 100 | 115 | 22.01-27.00 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | 0.05-0.1 | 0.05-0.09 | **0.05-0.09** | 0.05-0.09 | - | 0.05-0.08 |
| | | | | | | | | 27.01-33.00 | 0.07-0.12 | **0.07-0.12** | 0.07-0.12 | - | 0.07-0.11 | 0.07-0.1 | **0.07-0.1** | 0.07-0.1 | - | 0.07-0.09 |
| | | | | | | | | 33.01-40.00 | 0.07-0.13 | **0.07-0.13** | 0.07-0.13 | - | 0.07-0.12 | 0.07-0.1 | **0.07-0.1** | 0.07-0.1 | - | 0.07-0.1 |
| | | | | | | | | 40.01-52.00 | 0.09-0.13 | **0.09-0.13** | 0.09-0.13 | - | 0.09-0.12 | 0.09-0.1 | **0.09-0.1** | 0.09-0.1 | - | 0.09-0.1 |
| | | | | | | | | 52.01-65.00 | 0.09-0.13 | **0.09-0.13** | 0.09-0.13 | - | 0.09-0.12 | 0.09-0.1 | **0.09-0.1** | 0.09-0.1 | - | 0.09-0.1 |
| | M3.2.Z.AQ | Acero inoxidable dúplex | 260 | 4334 | 75 | 95 | 110 | 15.00-18.00 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | 0.05-0.09 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.07 |
| | | | | 4344 | 75 | 90 | 105 | 18.01-22.00 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | 0.05-0.1 | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | 0.05-0.08 |
| | | <60% ferrita (N ≥ 0.10%) | | 2044 | 75 | 90 | 105 | 22.01-27.00 | 0.05-0.11 | **0.05-0.11** | 0.05-0.11 | - | 0.05-0.1 | 0.05-0.09 | **0.05-0.09** | 0.05-0.09 | - | 0.05-0.08 |
| | | | | | | | | 27.01-33.00 | 0.07-0.12 | **0.07-0.12** | 0.07-0.12 | - | 0.07-0.11 | 0.07-0.1 | **0.07-0.1** | 0.07-0.1 | - | 0.07-0.09 |
| | | | | | | | | 33.01-40.00 | 0.07-0.13 | **0.07-0.13** | 0.07-0.13 | - | 0.07-0.12 | 0.07-0.1 | **0.07-0.1** | 0.07-0.1 | - | 0.07-0.1 |
| | | | | | | | | 40.01-52.00 | 0.09-0.13 | **0.09-0.13** | 0.09-0.13 | - | 0.09-0.12 | 0.09-0.1 | **0.09-0.1** | 0.09-0.1 | - | 0.09-0.1 |
| | | | | | | | | 52.01-65.00 | 0.09-0.13 | **0.09-0.13** | 0.09-0.13 | - | 0.09-0.12 | 0.09-0.1 | **0.09-0.1** | 0.09-0.1 | - | 0.09-0.1 |
| S | S2.0.Z.AN | Superaleaciones termorresistentes | 350 | 4334 | 20 | 35 | 45 | 15.00-18.00 | 0.04-0.06 | **0.04-0.06** | 0.04-0.06 | - | - | 0.04-0.05 | **0.04-0.05** | 0.04-0.05 | - | - |
| | S2.0.Z.AG | Con base Ni | | 4344 | 20 | 35 | 45 | 18.01-22.00 | 0.04-0.07 | **0.04-0.07** | 0.04-0.07 | - | - | 0.04-0.06 | **0.04-0.06** | 0.04-0.06 | - | - |
| | S2.0.Z.NS | | | 2044 | 20 | 35 | 45 | 22.01-27.00 | 0.04-0.08 | **0.04-0.08** | 0.04-0.08 | - | - | 0.04-0.07 | **0.04-0.07** | 0.04-0.07 | - | - |
| | | | | | | | | 27.01-33.00 | 0.05-0.09 | **0.05-0.09** | 0.05-0.09 | - | - | 0.05-0.07 | **0.05-0.07** | 0.05-0.07 | - | - |
| | | | | | | | | 33.01-40.00 | 0.05-0.1 | **0.05-0.1** | 0.05-0.1 | - | - | 0.05-0.08 | **0.05-0.08** | 0.05-0.08 | - | - |
| | | | | | | | | 40.01-52.00 | 0.06-0.1 | **0.06-0.1** | 0.06-0.1 | - | - | 0.06-0.08 | **0.06-0.08** | 0.06-0.08 | - | - |
| | | | | | | | | 52.01-65.00 | 0.06-0.1 | **0.06-0.1** | 0.06-0.1 | - | - | 0.06-0.08 | **0.06-0.08** | 0.06-0.08 | - | - |
| | S4.2.Z.AN | Superaleaciones termorresistentes | 330 | H13A | 40 | 80 | 110 | 15.00-18.00 | **0.06-0.11** | 0.06-0.11 | 0.06-0.11 | - | - | **0.06-0.09** | 0.06-0.09 | 0.06-0.09 | - | - |
| | S4.3.Z.AG | Base de Ti | | 4344 | 40 | 80 | 110 | 18.01-22.00 | **0.06-0.12** | 0.06-0.12 | 0.06-0.12 | - | - | **0.06-0.1** | 0.06-0.1 | 0.06-0.1 | - | - |
| | | | | 2044 | 40 | 80 | 110 | 22.01-27.00 | 0.06-0.13 | 0.06-0.13 | 0.06-0.13 | - | - | **0.06-0.1** | 0.06-0.1 | 0.06-0.1 | - | - |
| | | | | | | | | 27.01-33.00 | **0.08-0.14** | 0.08-0.14 | 0.08-0.14 | - | - | **0.08-0.11** | 0.08-0.11 | 0.08-0.11 | - | - |
| | | | | | | | | 33.01-40.00 | **0.08-0.14** | 0.08-0.14 | 0.08-0.14 | - | - | **0.08-0.12** | 0.08-0.12 | 0.08-0.12 | - | - |
| | | | | | | | | 40.01-52.00 | **0.1-0.14** | 0.1-0.14 | 0.1-0.14 | - | - | **0.1-0.12** | 0.1-0.12 | 0.1-0.12 | - | - |
| | | | | | | | | 52.01-65.00 | **0.1-0.14** | 0.1-0.14 | 0.1-0.14 | - | - | **0.1-0.12** | 0.1-0.12 | 0.1-0.12 | - | - |

El avance a la entrada del agujero debe ser el 75% de la velocidad de avance. Para el avance a la salida del agujero, utilice 0.05 mm/rev.

# CoroDrill® DS20

**6 – 7 × DC**

| ISO | Núm. MC | Material | HB | Calidad | Recomendaciones de velocidad de corte 6-7xD | | | Diámetro de taladrado | Longitud de taladrado 6xD -S5W | -L5W | -L6W | -M7W | -H5W | Longitud de taladrado 7xD -S5W | -L5W | -L6W | -M7W | -H5W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Valor inicial recomendado en la mitad del rango de avance | | | | | | | | | |
| K | K1.1.C.NS | Fundición maleable Baja resistencia a la tracción | 200 | 4324 | 140 | 190 | 220 | 15.00-18.00 | - | 0.08-0.1 | 0.08-0.1 | **0.08-0.13** | - | - | 0.08-0.08 | 0.08-0.08 | **0.08-0.11** | - |
| | | | | 4334 | 110 | 155 | 180 | 18.01-22.00 | - | 0.08-0.12 | 0.08-0.12 | **0.08-0.15** | - | - | 0.08-0.1 | 0.08-0.1 | **0.08-0.13** | - |
| | | | | 4344 | 180 | 150 | 140 | 22.01-27.00 | - | 0.08-0.14 | 0.08-0.14 | **0.08-0.17** | - | - | 0.08-0.12 | 0.08-0.12 | **0.08-0.14** | - |
| | | | | | | | | 27.01-33.00 | - | 0.1-0.16 | 0.1-0.16 | **0.1-0.19** | - | - | 0.1-0.13 | 0.1-0.13 | **0.1-0.16** | - |
| | | | | | | | | 33.01-40.00 | - | 0.1-0.18 | 0.1-0.18 | **0.1-0.21** | - | - | 0.1-0.15 | 0.1-0.15 | **0.1-0.18** | - |
| | | | | | | | | 40.01-52.00 | - | 0.12-0.18 | 0.12-0.18 | **0.12-0.21** | - | - | 0.12-0.15 | 0.12-0.15 | **0.12-0.18** | - |
| | | | | | | | | 52.01-65.00 | - | 0.12-0.18 | 0.12-0.18 | **0.12-0.21** | - | - | 0.12-0.15 | 0.12-0.15 | **0.12-0.18** | - |
| | K2.1.C.UT | Fundición gris Baja resistencia a la tracción | 180 | 4324 | 210 | 255 | 295 | 15.00-18.00 | - | 0.08-0.1 | 0.08-0.1 | **0.08-0.13** | - | - | 0.08-0.08 | 0.08-0.08 | **0.08-0.11** | - |
| | | | | 4334 | 170 | 210 | 245 | 18.01-22.00 | - | 0.08-0.12 | 0.08-0.12 | **0.08-0.15** | - | - | 0.08-0.1 | 0.08-0.1 | **0.08-0.13** | - |
| | | | | 4344 | 130 | 160 | 185 | 22.01-27.00 | - | 0.08-0.14 | 0.08-0.14 | **0.08-0.17** | - | - | 0.08-0.12 | 0.08-0.12 | **0.08-0.14** | - |
| | | | | | | | | 27.01-33.00 | - | 0.1-0.16 | 0.1-0.16 | **0.1-0.19** | - | - | 0.1-0.13 | 0.1-0.13 | **0.1-0.16** | - |
| | | | | | | | | 33.01-40.00 | - | 0.1-0.18 | 0.1-0.18 | **0.1-0.21** | - | - | 0.1-0.15 | 0.1-0.15 | **0.1-0.18** | - |
| | | | | | | | | 40.01-52.00 | - | 0.12-0.18 | 0.12-0.18 | **0.12-0.21** | - | - | 0.12-0.15 | 0.12-0.15 | **0.12-0.18** | - |
| | | | | | | | | 52.01-65.00 | - | 0.12-0.18 | 0.12-0.18 | **0.12-0.21** | - | - | 0.12-0.15 | 0.12-0.15 | **0.12-0.18** | - |
| | K2.2.C.UT | Fundición gris Alta resistencia a la tracción | 245 | 4324 | 125 | 185 | 220 | 15.00-18.00 | - | 0.08-0.08 | 0.08-0.08 | **0.08-0.12** | - | - | 0.08-0.07 | 0.08-0.07 | **0.08-0.1** | - |
| | | | | 4334 | 100 | 145 | 175 | 18.01-22.00 | - | 0.08-0.1 | 0.08-0.1 | **0.08-0.14** | - | - | 0.08-0.09 | 0.08-0.09 | **0.08-0.12** | - |
| | | | | 4344 | 75 | 115 | 135 | 22.01-27.00 | - | 0.08-0.12 | 0.08-0.12 | **0.08-0.16** | - | - | 0.08-0.1 | 0.08-0.1 | **0.08-0.13** | - |
| | | | | | | | | 27.01-33.00 | - | 0.1-0.14 | 0.1-0.14 | **0.1-0.18** | - | - | 0.1-0.12 | 0.1-0.12 | **0.1-0.15** | - |
| | | | | | | | | 33.01-40.00 | - | 0.1-0.16 | 0.1-0.16 | **0.1-0.2** | - | - | 0.1-0.14 | 0.1-0.14 | **0.1-0.17** | - |
| | | | | | | | | 40.01-52.00 | - | 0.12-0.16 | 0.12-0.16 | **0.12-0.2** | - | - | 0.12-0.14 | 0.12-0.14 | **0.12-0.17** | - |
| | | | | | | | | 52.01-65.00 | - | 0.12-0.16 | 0.12-0.16 | **0.12-0.2** | - | - | 0.12-0.14 | 0.12-0.14 | **0.12-0.17** | - |
| | K3.1.C.UT | Fundición nodular Ferrítica | 155 | 4324 | 125 | 170 | 205 | 15.00-18.00 | - | 0.08-0.08 | 0.08-0.08 | **0.08-0.12** | - | - | 0.08-0.07 | 0.08-0.07 | **0.08-0.1** | - |
| | | | | 4334 | 100 | 140 | 165 | 18.01-22.00 | - | 0.08-0.1 | 0.08-0.1 | **0.08-0.14** | - | - | 0.08-0.09 | 0.08-0.09 | **0.08-0.12** | - |
| | | | | 4344 | 80 | 110 | 130 | 22.01-27.00 | - | 0.08-0.12 | 0.08-0.12 | **0.08-0.16** | - | - | 0.08-0.1 | 0.08-0.1 | **0.08-0.13** | - |
| | | | | | | | | 27.01-33.00 | - | 0.1-0.14 | 0.1-0.14 | **0.1-0.18** | - | - | 0.1-0.12 | 0.1-0.12 | **0.1-0.15** | - |
| | | | | | | | | 33.01-40.00 | - | 0.1-0.16 | 0.1-0.16 | **0.1-0.2** | - | - | 0.1-0.14 | 0.1-0.14 | **0.1-0.17** | - |
| | | | | | | | | 40.01-52.00 | - | 0.12-0.16 | 0.12-0.16 | **0.12-0.2** | - | - | 0.12-0.14 | 0.12-0.14 | **0.12-0.17** | - |
| | | | | | | | | 52.01-65.00 | - | 0.12-0.16 | 0.12-0.16 | **0.12-0.2** | - | - | 0.12-0.14 | 0.12-0.14 | **0.12-0.17** | - |
| | K3.3.C.UT | Fundición nodular Perlítica | 265 | 4324 | 110 | 160 | 190 | 15.00-18.00 | - | 0.08-0.08 | 0.08-0.08 | **0.08-0.12** | - | - | 0.08-0.07 | 0.08-0.07 | **0.08-0.1** | - |
| | | | | 4334 | 90 | 130 | 160 | 18.01-22.00 | - | 0.08-0.1 | 0.08-0.1 | **0.08-0.14** | - | - | 0.08-0.09 | 0.08-0.09 | **0.08-0.12** | - |
| | | | | 4344 | 70 | 100 | 115 | 22.01-27.00 | - | 0.08-0.12 | 0.08-0.12 | **0.08-0.16** | - | - | 0.08-0.1 | 0.08-0.1 | **0.08-0.13** | - |
| | | | | | | | | 27.01-33.00 | - | 0.1-0.14 | 0.1-0.14 | **0.1-0.18** | - | - | 0.1-0.12 | 0.1-0.12 | **0.1-0.15** | - |
| | | | | | | | | 33.01-40.00 | - | 0.1-0.16 | 0.1-0.16 | **0.1-0.2** | - | - | 0.1-0.14 | 0.1-0.14 | **0.1-0.17** | - |
| | | | | | | | | 40.01-52.00 | - | 0.12-0.16 | 0.12-0.16 | **0.12-0.2** | - | - | 0.12-0.14 | 0.12-0.14 | **0.12-0.17** | - |
| | | | | | | | | 52.01-65.00 | - | 0.12-0.16 | 0.12-0.16 | **0.12-0.2** | - | - | 0.12-0.14 | 0.12-0.14 | **0.12-0.17** | - |
| | K4.2.C.UT | Fundición de grafito compactado Alta resistencia a la tracción | 230 | 4324 | 130 | 190 | 225 | 15.00-18.00 | - | 0.08-0.08 | 0.08-0.08 | **0.08-0.12** | - | - | 0.08-0.07 | 0.08-0.07 | **0.08-0.1** | - |
| | | | | 4334 | 110 | 155 | 180 | 18.01-22.00 | - | 0.08-0.1 | 0.08-0.1 | **0.08-0.14** | - | - | 0.08-0.09 | 0.08-0.09 | **0.08-0.12** | - |
| | | | | 4344 | 85 | 115 | 135 | 22.01-27.00 | - | 0.08-0.12 | 0.08-0.12 | **0.08-0.16** | - | - | 0.08-0.1 | 0.08-0.1 | **0.08-0.13** | - |
| | | | | | | | | 27.01-33.00 | - | 0.1-0.14 | 0.1-0.14 | **0.1-0.18** | - | - | 0.1-0.12 | 0.1-0.12 | **0.1-0.15** | - |
| | | | | | | | | 33.01-40.00 | - | 0.1-0.16 | 0.1-0.16 | **0.1-0.2** | - | - | 0.1-0.14 | 0.1-0.14 | **0.1-0.17** | - |
| | | | | | | | | 40.01-52.00 | - | 0.12-0.16 | 0.12-0.16 | **0.12-0.2** | - | - | 0.12-0.14 | 0.12-0.14 | **0.12-0.17** | - |
| | | | | | | | | 52.01-65.00 | - | 0.12-0.16 | 0.12-0.16 | **0.12-0.2** | - | - | 0.12-0.14 | 0.12-0.14 | **0.12-0.17** | - |
| H | H1.3.Z.HA | Acero extraduro Endurecido y templado | 60 (HRC) | 4324 | 30 | 60 | 75 | 15.00-18.00 | - | 0.06-0.08 | 0.06-0.08 | **0.06-0.08** | - | - | 0.06-0.07 | 0.06-0.07 | **0.06-0.07** | - |
| | | | | 4334 | 30 | 60 | 75 | 18.01-22.00 | - | 0.06-0.09 | 0.06-0.09 | **0.06-0.09** | - | - | 0.06-0.08 | 0.06-0.08 | **0.06-0.08** | - |
| | | | | 4344 | 30 | 60 | 75 | 22.01-27.00 | - | 0.06-0.1 | 0.06-0.1 | **0.06-0.1** | - | - | 0.06-0.08 | 0.06-0.08 | **0.06-0.08** | - |
| | | | | | | | | 27.01-33.00 | - | 0.08-0.1 | 0.08-0.1 | **0.08-0.1** | - | - | 0.08-0.09 | 0.08-0.09 | **0.08-0.09** | - |
| | | | | | | | | 33.01-40.00 | - | 0.08-0.12 | 0.08-0.12 | **0.08-0.12** | - | - | 0.08-0.1 | 0.08-0.1 | **0.08-0.1** | - |
| | | | | | | | | 40.01-52.00 | - | 0.1-0.12 | 0.1-0.12 | **0.1-0.12** | - | - | 0.1-0.1 | 0.1-0.1 | **0.1-0.1** | - |
| | | | | | | | | 52.01-65.00 | - | 0.1-0.12 | 0.1-0.12 | **0.1-0.12** | - | - | 0.1-0.1 | 0.1-0.1 | **0.1-0.1** | - |

SPA

# CoroDrill® DS20

**6 – 7 × DC**

| ISO | Núm. MC | Material | HB | Calidad | Recomendaciones de velocidad de corte 6-7xD | | | Diámetro de taladrado | Longitud de taladrado 6xD -S5W | -L5W | -L6W | -M7W | -H5W | Longitud de taladrado 7xD -S5W | -L5W | -L6W | -M7W | -H5W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Valor inicial recomendado en la mitad del rango de avance | | | | | | | | | |
| N | N1.2.Z.AG | Aleaciones con base de aluminio | 100 | H13A | 300 | 330 | 360 | 15.00-18.00 | **0.06-0.1** | 0.06-0.1 | 0.06-0.1 | - | - | **0.06-0.09** | 0.06-0.09 | 0.06-0.09 | - | - |
| | | Aleaciones AlSi, Si ≤ 1% | | 4344 | 300 | 330 | 360 | 18.01-22.00 | **0.06-0.12** | 0.06-0.12 | 0.06-0.12 | - | - | **0.06-0.1** | 0.06-0.1 | 0.06-0.1 | - | - |
| | | | | | | | | 22.01-27.00 | **0.06-0.13** | 0.06-0.13 | 0.06-0.13 | - | - | **0.06-0.11** | 0.06-0.11 | 0.06-0.11 | - | - |
| | | | | | | | | 27.01-33.00 | **0.08-0.14** | 0.08-0.14 | 0.08-0.14 | - | - | **0.08-0.12** | 0.08-0.12 | 0.08-0.12 | - | - |
| | | | | | | | | 33.01-40.00 | **0.08-0.16** | 0.08-0.16 | 0.08-0.16 | - | - | **0.08-0.14** | 0.08-0.14 | 0.08-0.14 | - | - |
| | | | | | | | | 40.01-52.00 | **0.1-0.16** | 0.1-0.16 | 0.1-0.16 | - | - | **0.1-0.14** | 0.1-0.14 | 0.1-0.14 | - | - |
| | | | | | | | | 52.01-65.00 | **0.1-0.16** | 0.1-0.16 | 0.1-0.16 | - | - | **0.1-0.14** | 0.1-0.14 | 0.1-0.14 | - | - |
| | N1.3.C.UT | Aleaciones con base de aluminio | 75 | H13A | 250 | 315 | 360 | 15.00-18.00 | **0.06-0.09** | 0.06-0.09 | 0.06-0.09 | - | - | **0.06-0.08** | 0.06-0.08 | 0.06-0.08 | - | - |
| | | Aleaciones de fundición AlSi, Si < 1% y > 13% | | 4344 | 250 | 315 | 360 | 18.01-22.00 | **0.06-0.1** | 0.06-0.1 | 0.06-0.1 | - | - | **0.06-0.09** | 0.06-0.09 | 0.06-0.09 | - | - |
| | | | | | | | | 22.01-27.00 | **0.06-0.12** | 0.06-0.12 | 0.06-0.12 | - | - | **0.06-0.1** | 0.06-0.1 | 0.06-0.1 | - | - |
| | | | | | | | | 27.01-33.00 | **0.08-0.13** | 0.08-0.13 | 0.08-0.13 | - | - | **0.08-0.11** | 0.08-0.11 | 0.08-0.11 | - | - |
| | | | | | | | | 33.01-40.00 | **0.08-0.14** | 0.08-0.14 | 0.08-0.14 | - | - | **0.08-0.12** | 0.08-0.12 | 0.08-0.12 | - | - |
| | | | | | | | | 40.01-52.00 | **0.1-0.14** | 0.1-0.14 | 0.1-0.14 | - | - | **0.1-0.12** | 0.1-0.12 | 0.1-0.12 | - | - |
| | | | | | | | | 52.01-65.00 | **0.1-0.14** | 0.1-0.14 | 0.1-0.14 | - | - | **0.1-0.12** | 0.1-0.12 | 0.1-0.12 | - | - |
| | N1.3.C.AG | Aleaciones con base de aluminio | 90 | H13A | 250 | 285 | 315 | 15.00-18.00 | **0.06-0.09** | 0.06-0.09 | 0.06-0.09 | - | - | **0.06-0.08** | 0.06-0.08 | 0.06-0.08 | - | - |
| | | AlSi cast and aged alloys (1%< Si >13%) | | 4344 | 250 | 285 | 315 | 18.01-22.00 | **0.06-0.1** | 0.06-0.1 | 0.06-0.1 | - | - | **0.06-0.09** | 0.06-0.09 | 0.06-0.09 | - | - |
| | | | | | | | | 22.01-27.00 | **0.06-0.12** | 0.06-0.12 | 0.06-0.12 | - | - | **0.06-0.1** | 0.06-0.1 | 0.06-0.1 | - | - |
| | | | | | | | | 27.01-33.00 | **0.08-0.13** | 0.08-0.13 | 0.08-0.13 | - | - | **0.08-0.11** | 0.08-0.11 | 0.08-0.11 | - | - |
| | | | | | | | | 33.01-40.00 | **0.08-0.14** | 0.08-0.14 | 0.08-0.14 | - | - | **0.08-0.12** | 0.08-0.12 | 0.08-0.12 | - | - |
| | | | | | | | | 40.01-52.00 | **0.1-0.14** | 0.1-0.14 | 0.1-0.14 | - | - | **0.1-0.12** | 0.1-0.12 | 0.1-0.12 | - | - |
| | | | | | | | | 52.01-65.00 | **0.1-0.14** | 0.1-0.14 | 0.1-0.14 | - | - | **0.1-0.12** | 0.1-0.12 | 0.1-0.12 | - | - |
| | N3.3.U.UT | Aleaciones con base de cobre | 110 | H13A | 250 | 315 | 360 | 15.00-18.00 | **0.06-0.1** | 0.06-0.1 | 0.06-0.1 | - | - | **0.06-0.09** | 0.06-0.09 | 0.06-0.09 | - | - |
| | | Aleaciones para corte sin problemas basadas en cobre | | 4344 | 250 | 315 | 360 | 18.01-22.00 | **0.06-0.12** | 0.06-0.12 | 0.06-0.12 | - | - | **0.06-0.1** | 0.06-0.1 | 0.06-0.1 | - | - |
| | | | | | | | | 22.01-27.00 | **0.06-0.13** | 0.06-0.13 | 0.06-0.13 | - | - | **0.06-0.11** | 0.06-0.11 | 0.06-0.11 | - | - |
| | | | | | | | | 27.01-33.00 | **0.08-0.14** | 0.08-0.14 | 0.08-0.14 | - | - | **0.08-0.12** | 0.08-0.12 | 0.08-0.12 | - | - |
| | | | | | | | | 33.01-40.00 | **0.08-0.16** | 0.08-0.16 | 0.08-0.16 | - | - | **0.08-0.14** | 0.08-0.14 | 0.08-0.14 | - | - |
| | | | | | | | | 40.01-52.00 | **0.1-0.16** | 0.1-0.16 | 0.1-0.16 | - | - | **0.1-0.14** | 0.1-0.14 | 0.1-0.14 | - | - |
| | | | | | | | | 52.01-65.00 | **0.1-0.16** | 0.1-0.16 | 0.1-0.16 | - | - | **0.1-0.14** | 0.1-0.14 | 0.1-0.14 | - | - |
| | N3.2.C.UT | Aleaciones con base de cobre | 90 | H13A | 180 | 200 | 215 | 15.00-18.00 | **0.06-0.1** | 0.06-0.1 | 0.06-0.1 | - | - | **0.06-0.09** | 0.06-0.09 | 0.06-0.09 | - | - |
| | | Latón con plomo y bronces (Pb ≤ 1%) | | 4344 | 180 | 200 | 215 | 18.01-22.00 | **0.06-0.12** | 0.06-0.12 | 0.06-0.12 | - | - | **0.06-0.1** | 0.06-0.1 | 0.06-0.1 | - | - |
| | | | | | | | | 22.01-27.00 | **0.06-0.13** | 0.06-0.13 | 0.06-0.13 | - | - | **0.06-0.11** | 0.06-0.11 | 0.06-0.11 | - | - |
| | | | | | | | | 27.01-33.00 | **0.08-0.14** | 0.08-0.14 | 0.08-0.14 | - | - | **0.08-0.12** | 0.08-0.12 | 0.08-0.12 | - | - |
| | | | | | | | | 33.01-40.00 | **0.08-0.16** | 0.08-0.16 | 0.08-0.16 | - | - | **0.08-0.14** | 0.08-0.14 | 0.08-0.14 | - | - |
| | | | | | | | | 40.01-52.00 | **0.1-0.16** | 0.1-0.16 | 0.1-0.16 | - | - | **0.1-0.14** | 0.1-0.14 | 0.1-0.14 | - | - |
| | | | | | | | | 52.01-65.00 | **0.1-0.16** | 0.1-0.16 | 0.1-0.16 | - | - | **0.1-0.14** | 0.1-0.14 | 0.1-0.14 | - | - |

El avance a la entrada del agujero debe ser el 75% de la velocidad de avance. Para el avance a la salida del agujero, utilice 0.05 mm/rev.

# CoroDrill® 880

**2 – 3 x DC**

| ISO | Núm. MC | Material | Dureza Brinell HB | Calidad | Velocidad de corte (m/min) | Diámetro de taladrado $D_c$ mm | Geometría / Avance Longitud de broca 2-3xD -LM $f_n$ mm/rev. | -GM $f_n$ mm/rev. | -GR $f_n$ mm/rev. | -GT $f_n$ mm/rev. |
|---|---|---|---|---|---|---|---|---|---|---|
| P | P1.0.Z.AN (01.0) | **Acero no aleado** No templado 0.05-0.10% C | 90-200 | 4324 4334 4344 | 230-400 210-325 190-245 | 12.00-13.99 | **0.04-0.08** | | | |
| | | | | | | 14.00-16.49 | **0.04-0.08** | 0.04-0.06 | 0.04-0.06 | 0.04-0.06 |
| | | | | | | 16.50-19.99 | **0.04-0.10** | 0.04-0.06 | 0.04-0.06 | 0.04-0.06 |
| | | | | | | 20.00-23.99 | **0.04-0.12** | 0.04-0.08 | 0.04-0.08 | 0.04-0.08 |
| | | | | | | 24.00-29.99 | **0.04-0.12** | 0.04-0.08 | 0.04-0.08 | 0.04-0.08 |
| | | | | | | 30.00-35.99 | **0.06-0.14** | 0.06-0.10 | 0.06-0.10 | 0.06-0.10 |
| | | | | | | 36.00-43.99 | **0.06-0.16** | 0.06-0.10 | 0.06-0.10 | 0.06-0.10 |
| | | | | | | 44.00-52.99 | **0.08-0.16** | 0.08-0.12 | 0.08-0.12 | 0.08-0.12 |
| | | | | | | 53.00-63.50 | **0.08-0.16** | 0.08-0.12 | 0.08-0.12 | 0.08-0.12 |
| | P1.1.Z.AN (01.1) | No templado 0.05-0.25% C | 90-200 | 4324 4334 4344 | 230-370 200-305 170-235 | 12.00-13.99 | **0.04-0.10** | | | |
| | | | | | | 14.00-16.49 | **0.04-0.10** | 0.04-0.06 | 0.04-0.06 | 0.04-0.06 |
| | | | | | | 16.50-19.99 | **0.04-0.12** | 0.04-0.06 | 0.04-0.06 | 0.04-0.06 |
| | | | | | | 20.00-23.99 | **0.04-0.14** | 0.04-0.10 | 0.04-0.10 | 0.04-0.10 |
| | | | | | | 24.00-29.99 | **0.04-0.14** | 0.04-0.10 | 0.04-0.10 | 0.04-0.10 |
| | | | | | | 30.00-35.99 | **0.06-0.16** | 0.06-0.12 | 0.06-0.12 | 0.06-0.12 |
| | | | | | | 36.00-43.99 | **0.06-0.16** | 0.06-0.12 | 0.06-0.12 | 0.06-0.12 |
| | | | | | | 44.00-52.99 | **0.08-0.16** | 0.08-0.12 | 0.08-0.12 | 0.08-0.12 |
| | | | | | | 53.00-63.50 | **0.08-0.16** | 0.08-0.12 | 0.08-0.12 | 0.08-0.12 |
| | P1.2.Z.AN (01.2) | No templado 0.25-0.55% C | 125-225 | 4324 4334 4344 | 190-305 155-250 120-190 | 12.00-13.99 | 0.04-0.10 | | | |
| | | | | | | 14.00-16.49 | 0.04-0.10 | 0.04-0.10 | **0.04-0.10** | 0.04-0.10 |
| | | | | | | 16.50-19.99 | 0.06-0.14 | 0.06-0.14 | **0.06-0.14** | 0.06-0.14 |
| | | | | | | 20.00-23.99 | 0.06-0.18 | 0.06-0.18 | **0.06-0.18** | 0.06-0.18 |
| | | | | | | 24.00-29.99 | 0.06-0.18 | 0.06-0.18 | **0.06-0.18** | 0.06-0.18 |
| | | | | | | 30.00-35.99 | 0.06-0.22 | 0.06-0.22 | **0.06-0.22** | 0.06-0.22 |
| | | | | | | 36.00-43.99 | 0.06-0.24 | 0.06-0.24 | **0.06-0.24** | 0.06-0.24 |
| | | | | | | 44.00-52.99 | 0.10-0.24 | 0.10-0.24 | **0.10-0.24** | 0.10-0.24 |
| | | | | | | 53.00-63.50 | 0.10-0.24 | 0.10-0.24 | **0.10-0.24** | 0.10-0.24 |
| | P1.3.Z.AN (01.3) | No templado 0.55-0.80% C | 150-250 | 4324 4334 4344 | 170-290 140-240 105-185 | 12.00-13.99 | 0.04-0.10 | | | |
| | | | | | | 14.00-16.49 | 0.04-0.10 | 0.04-0.10 | **0.04-0.10** | 0.04-0.10 |
| | | | | | | 16.50-19.99 | 0.06-0.14 | 0.06-0.14 | **0.06-0.14** | 0.06-0.14 |
| | | | | | | 20.00-23.99 | 0.06-0.18 | 0.06-0.18 | **0.06-0.18** | 0.06-0.18 |
| | | | | | | 24.00-29.99 | 0.06-0.18 | 0.08-0.18 | **0.08-0.18** | 0.08-0.18 |
| | | | | | | 30.00-35.99 | 0.06-0.24 | 0.08-0.24 | **0.08-0.24** | 0.08-0.24 |
| | | | | | | 36.00-43.99 | 0.06-0.24 | 0.08-0.24 | **0.08-0.24** | 0.08-0.24 |
| | | | | | | 44.00-52.99 | 0.06-0.24 | 0.08-0.24 | **0.08-0.24** | 0.08-0.24 |
| | | | | | | 53.00-63.50 | 0.10-0.24 | 0.10-0.24 | **0.10-0.24** | 0.10-0.24 |
| | P1.3.Z.AN (01.4) | Acero de alto contenido en carbono y acero de herramientas | 180-275 | 4324 4334 4344 | 200-290 155-240 105-180 | 12.00-13.99 | 0.04-0.10 | | | |
| | | | | | | 14.00-16.49 | 0.04-0.10 | 0.04-0.10 | **0.04-0.10** | 0.04-0.10 |
| | | | | | | 16.50-19.99 | 0.06-0.14 | 0.06-0.14 | **0.06-0.14** | 0.06-0.14 |
| | | | | | | 20.00-23.99 | 0.06-0.18 | 0.06-0.18 | **0.06-0.18** | 0.06-0.18 |
| | | | | | | 24.00-29.99 | 0.06-0.18 | 0.08-0.18 | **0.08-0.18** | 0.08-0.18 |
| | | | | | | 30.00-35.99 | 0.06-0.24 | 0.08-0.24 | **0.08-0.24** | 0.08-0.24 |
| | | | | | | 36.00-43.99 | 0.06-0.24 | 0.08-0.24 | **0.08-0.24** | 0.08-0.24 |
| | | | | | | 44.00-52.99 | 0.10-0.24 | 0.10-0.24 | **0.10-0.24** | 0.10-0.24 |
| | | | | | | 53.00-63.50 | 0.10-0.24 | 0.10-0.24 | **0.10-0.24** | 0.10-0.24 |
| | P2.1.Z.AN (02.1) | Acero de baja aleación (no endurecido) | 150-260 | 4324 4334 4344 | 180-305 150-250 115-190 | 12.00-13.99 | 0.04-0.10 | | | |
| | | | | | | 14.00-16.49 | 0.04-0.10 | 0.04-0.10 | **0.04-0.10** | 0.04-0.10 |
| | | | | | | 16.50-19.99 | 0.06-0.14 | 0.06-0.14 | **0.06-0.14** | 0.06-0.14 |
| | | | | | | 20.00-23.99 | 0.06-0.18 | 0.06-0.18 | **0.06-0.18** | 0.06-0.18 |
| | | | | | | 24.00-29.99 | 0.06-0.18 | 0.08-0.18 | **0.08-0.18** | 0.08-0.18 |
| | | | | | | 30.00-35.99 | 0.06-0.24 | 0.06-0.24 | **0.06-0.24** | 0.06-0.24 |
| | | | | | | 36.00-43.99 | 0.06-0.24 | 0.06-0.24 | **0.06-0.24** | 0.06-0.24 |
| | | | | | | 44.00-52.99 | 0.10-0.24 | 0.10-0.24 | **0.10-0.24** | 0.10-0.24 |
| | | | | | | 53.00-63.50 | 0.10-0.24 | 0.10-0.24 | **0.10-0.24** | 0.10-0.24 |
| | P2.5.Z.HT (02.2) | Acero templado | 220-450 | 4324 4334 4344 | 90-245 85-195 75-150 | 12.00-13.99 | 0.04-0.10 | | | |
| | | | | | | 14.00-16.49 | 0.04-0.10 | 0.04-0.10 | **0.04-0.10** | 0.04-0.10 |
| | | | | | | 16.50-19.99 | 0.06-0.14 | 0.06-0.14 | **0.06-0.14** | 0.06-0.14 |
| | | | | | | 20.00-23.99 | 0.06-0.18 | 0.06-0.18 | **0.06-0.18** | 0.06-0.18 |
| | | | | | | 24.00-29.99 | 0.06-0.18 | 0.08-0.18 | **0.08-0.18** | 0.08-0.18 |
| | | | | | | 30.00-35.99 | 0.06-0.24 | 0.06-0.24 | **0.06-0.24** | 0.06-0.24 |
| | | | | | | 36.00-43.99 | 0.06-0.24 | 0.06-0.24 | **0.06-0.24** | 0.06-0.24 |
| | | | | | | 44.00-52.99 | 0.10-0.24 | 0.10-0.24 | **0.10-0.24** | 0.10-0.24 |
| | | | | | | 53.00-63.50 | 0.10-0.24 | 0.10-0.24 | **0.10-0.24** | 0.10-0.24 |

Nota: el texto en negrita corresponde a la geometría recomendada
La calidad de la plaquita central siempre es 1044.

SPA

# CoroDrill® 880

**2 – 3 x DC**

| ISO | Núm. MC | Material | Dureza Brinell HB | Calidad | Velocidad de corte (m/min) | Diámetro de taladrado $D_c$ mm | Geometría / Avance Longitud de broca 2-3xD -LM $f_n$ mm/rev. | -GM $f_n$ mm/rev. | -GR $f_n$ mm/rev. | -GT $f_n$ mm/rev. |
|---|---|---|---|---|---|---|---|---|---|---|
| P | P3.0.Z.AN (03.11) | Acero de alta aleación (recocido) | 150-250 | 4324<br>4334<br>4044 | 160-280<br>130-240<br>100-170 | 12.00-13.99 | 0.04-0.10 | | | |
| | | | | | | 14.00-16.49 | 0.04-0.10 | 0.04-0.10 | **0.04-0.10** | 0.04-0.10 |
| | | | | | | 16.50-19.99 | 0.06-0.14 | 0.06-0.14 | **0.06-0.14** | 0.06-0.14 |
| | | | | | | 20.00-23.99 | 0.06-0.18 | 0.06-0.18 | **0.06-0.18** | 0.06-0.18 |
| | | | | | | 24.00-29.99 | 0.06-0.18 | 0.08-0.18 | **0.08-0.18** | 0.08-0.18 |
| | | | | | | 30.00-35.99 | 0.06-0.24 | 0.06-0.24 | **0.06-0.24** | 0.06-0.24 |
| | | | | | | 36.00-43.99 | 0.06-0.24 | 0.06-0.24 | **0.06-0.24** | 0.06-0.24 |
| | | | | | | 44.00-52.99 | 0.10-0.24 | 0.10-0.24 | **0.10-0.24** | 0.10-0.24 |
| | | | | | | 53.00-63.50 | 0.10-0.24 | 0.10-0.24 | **0.10-0.24** | 0.10-0.24 |
| | P3.0.Z.HT (03.21) | Acero templado | 250-350 | 4324<br>4334<br>4044 | 80-210<br>75-175<br>70-125 | 12.00-13.99 | 0.04-0.10 | | | |
| | | | | | | 14.00-16.49 | 0.04-0.10 | 0.04-0.10 | **0.04-0.10** | 0.04-0.10 |
| | | | | | | 16.50-19.99 | 0.06-0.14 | 0.06-0.14 | **0.06-0.14** | 0.06-0.14 |
| | | | | | | 20.00-23.99 | 0.06-0.18 | 0.06-0.18 | **0.06-0.18** | 0.06-0.18 |
| | | | | | | 24.00-29.99 | 0.06-0.18 | 0.08-0.18 | **0.08-0.18** | 0.08-0.18 |
| | | | | | | 30.00-35.99 | 0.06-0.20 | 0.06-0.20 | **0.06-0.20** | 0.06-0.20 |
| | | | | | | 36.00-43.99 | 0.06-0.22 | 0.06-0.22 | **0.06-0.22** | 0.06-0.22 |
| | | | | | | 44.00-52.99 | 0.10-0.22 | 0.10-0.22 | **0.10-0.22** | 0.10-0.22 |
| | | | | | | 53.00-63.50 | 0.10-0.22 | 0.10-0.22 | **0.10-0.22** | 0.10-0.22 |
| | 06.1 | Fundición de acero (sin alear) | 90-225 | 4324<br>4334<br>4044 | 140-365<br>135-265<br>125-190 | 12.00-13.99 | 0.04-0.08 | | | |
| | | | | | | 14.00-16.49 | 0.04-0.08 | 0.04-0.08 | **0.04-0.08** | 0.04-0.08 |
| | | | | | | 16.50-19.99 | 0.04-0.08 | 0.04-0.08 | **0.04-0.08** | 0.04-0.08 |
| | | | | | | 20.00-23.99 | 0.04-0.10 | 0.04-0.10 | **0.04-0.10** | 0.04-0.10 |
| | | | | | | 24.00-29.99 | 0.04-0.10 | 0.04-0.10 | **0.04-0.10** | 0.04-0.10 |
| | | | | | | 30.00-35.99 | 0.06-0.14 | 0.06-0.14 | **0.06-0.14** | 0.06-0.14 |
| | | | | | | 36.00-43.99 | 0.06-0.14 | 0.06-0.14 | **0.06-0.14** | 0.06-0.14 |
| | | | | | | 44.00-52.99 | 0.08-0.14 | 0.08-0.14 | **0.08-0.14** | 0.08-0.14 |
| | | | | | | 53.00-63.50 | 0.08-0.14 | 0.08-0.14 | **0.08-0.14** | 0.08-0.14 |
| | P1.5.C.UT (06.2) | Baja aleación (elementos de aleación menos de 5%) | 150-250 | 4324<br>4334<br>4044 | 110-265<br>105-210<br>100-150 | 12.00-13.99 | 0.04-0.10 | | | |
| | | | | | | 14.00-16.49 | 0.04-0.10 | 0.04-0.10 | **0.04-0.10** | 0.04-0.10 |
| | | | | | | 16.50-19.99 | 0.04-0.14 | 0.04-0.14 | **0.04-0.14** | 0.04-0.14 |
| | | | | | | 20.00-23.99 | 0.06-0.18 | 0.06-0.18 | **0.06-0.18** | 0.06-0.18 |
| | | | | | | 24.00-29.99 | 0.06-0.18 | 0.08-0.18 | **0.08-0.18** | 0.08-0.18 |
| | | | | | | 30.00-35.99 | 0.06-0.20 | 0.06-0.20 | **0.06-0.20** | 0.06-0.20 |
| | | | | | | 36.00-43.99 | 0.06-0.22 | 0.06-0.22 | **0.06-0.22** | 0.06-0.22 |
| | | | | | | 44.00-52.99 | 0.10-0.22 | 0.10-0.22 | **0.10-0.22** | 0.10-0.22 |
| | | | | | | 53.00-63.50 | 0.10-0.22 | 0.10-0.22 | **0.10-0.22** | 0.10-0.22 |

Nota: el texto en negrita corresponde a la geometría recomendada
La calidad de la plaquita central siempre es 1044.

# CoroDrill® 880

**2 – 3 x DC**

| ISO | Núm. MC | Material | Dureza Brinell HB | Calidad | Velocidad de corte (m/min) | Diámetro de taladrado $D_c$ mm | Geometría/avance ($f_n$ mm/rev) Longitud de broca 2-3xD -LM | -MS[1] | -GM | -GR | -GT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| M | P5.0.Z.AN (05.11) | Acero inoxidable ferrítico/ martensítico 13-25% Cr | 150-270 | 4324 | 120-280 | 12.00-13.99 | 0.04-0.12 | **0.04-0.12** | | 0.04-0.08 | |
| | | | | 4334 | 115-225 | 14.00-16.49 | 0.04-0.14 | **0.04-0.14** | 0.04-0.08 | 0.04-0.08 | 0.04-0.14 |
| | | | | 4344 | 115-175 | 16.50-19.99 | 0.06-0.16 | **0.06-0.16** | 0.04-0.08 | 0.04-0.08 | 0.06-0.16 |
| | | | | 2044 | 115-165 | 20.00-23.99 | 0.06-0.18 | **0.06-0.18** | 0.06-0.14 | 0.06-0.14 | 0.06-0.18 |
| | | | | | | 24.00-29.99 | 0.06-0.18 | **0.06-0.18** | 0.06-0.14 | 0.06-0.14 | 0.06-0.18 |
| | | | | | | 30.00-35.99 | 0.06-0.20 | **0.06-0.20** | 0.06-0.16 | 0.06-0.16 | 0.06-0.20 |
| | | | | | | 36.00-43.99 | 0.06-0.20 | **0.06-0.20** | 0.06-0.16 | 0.06-0.16 | 0.10-0.24 |
| | | | | | | 44.00-52.99 | 0.10-0.24 | **0.10-0.24** | 0.10-0.18 | 0.10-0.18 | 0.10-0.24 |
| | | | | | | 53.00-63.50 | 0.10-0.24 | **0.10-0.24** | 0.10-0.18 | 0.10-0.18 | 0.10-0.24 |
| | M1.0.Z.AQ (05.21) | Austenítico Ni > 8%, 13-25% Cr | 150-275 | 4324 | 120-265 | 12.00-13.99 | 0.04-0.12 | **0.04-0.12** | | 0.04-0.08 | |
| | | | | 4334 | 115-225 | 14.00-16.49 | 0.04-0.14 | **0.04-0.14** | 0.04-0.08 | 0.04-0.08 | 0.04-0.14 |
| | | | | 4344 | 115-190 | 16.50-19.99 | 0.06-0.14 | **0.06-0.14** | 0.04-0.08 | 0.04-0.08 | 0.06-0.14 |
| | | | | 2044 | 115-180 | 20.00-23.99 | 0.06-0.16 | **0.06-0.16** | 0.06-0.12 | 0.06-0.12 | 0.06-0.16 |
| | | | | | | 24.00-29.99 | 0.06-0.16 | **0.06-0.16** | 0.06-0.12 | 0.06-0.12 | 0.06-0.16 |
| | | | | | | 30.00-35.99 | 0.06-0.18 | **0.06-0.18** | 0.06-0.16 | 0.06-0.16 | 0.06-0.20 |
| | | | | | | 36.00-43.99 | 0.06-0.20 | **0.06-0.20** | 0.06-0.16 | 0.06-0.16 | 0.06-0.20 |
| | | | | | | 44.00-52.99 | 0.10-0.20 | **0.10-0.20** | 0.10-0.16 | 0.10-0.16 | 0.10-0.20 |
| | | | | | | 53.00-63.50 | 0.10-0.20 | **0.10-0.20** | 0.10-0.16 | 0.10-0.16 | 0.10-0.20 |
| | M3.1.Z.AQ (05.51) M3.2.Z.AQ (05.52) | Austenítico/ferrítico (dúplex) | 200-320 | 4324 | 90-155 | 12.00-13.99 | 0.04-0.12 | **0.04-0.12** | | 0.04-0.08 | |
| | | | | 4334 | 85-145 | 14.00-16.49 | 0.04-0.14 | **0.04-0.14** | 0.04-0.08 | 0.04-0.08 | 0.04-0.14 |
| | | | | 4344 | 85-130 | 16.50-19.99 | 0.06-0.14 | **0.06-0.14** | 0.04-0.08 | 0.04-0.08 | 0.06-0.14 |
| | | | | 2044 | 85-125 | 20.00-23.99 | 0.06-0.16 | **0.06-0.16** | 0.06-0.12 | 0.06-0.12 | 0.06-0.16 |
| | | | | | | 24.00-29.99 | 0.06-0.16 | **0.06-0.16** | 0.06-0.12 | 0.06-0.12 | 0.06-0.16 |
| | | | | | | 30.00-35.99 | 0.06-0.18 | **0.06-0.18** | 0.06-0.16 | 0.06-0.16 | 0.06-0.18 |
| | | | | | | 36.00-43.99 | 0.06-0.20 | **0.06-0.20** | 0.06-0.16 | 0.06-0.16 | 0.06-0.20 |
| | | | | | | 44.00-52.99 | 0.10-0.20 | **0.10-0.20** | 0.10-0.16 | 0.10-0.16 | 0.10-0.20 |
| | | | | | | 53.00-63.50 | 0.10-0.20 | **0.10-0.20** | 0.10-0.16 | 0.10-0.16 | 0.10-0.20 |
| | M1.0.C.UT (15.21) | Fundiciones austeníticas | 150-250 | 4324 | 150-210 | 12.00-13.99 | 0.04-0.12 | **0.04-0.12** | | 0.04-0.08 | |
| | | | | 4334 | 115-185 | 14.00-16.49 | 0.04-0.12 | **0.04-0.12** | 0.04-0.08 | 0.04-0.08 | 0.04-0.12 |
| | | | | 4344 | 80-165 | 16.50-19.99 | 0.06-0.14 | **0.06-0.14** | 0.04-0.08 | 0.04-0.08 | 0.06-0.14 |
| | | | | 2044 | 80-155 | 20.00-23.99 | 0.06-0.16 | **0.06-0.16** | 0.06-0.12 | 0.06-0.12 | 0.06-0.16 |
| | | | | | | 24.00-29.99 | 0.06-0.16 | **0.06-0.16** | 0.06-0.12 | 0.06-0.12 | 0.06-0.16 |
| | | | | | | 30.00-35.99 | 0.06-0.18 | **0.06-0.18** | 0.06-0.16 | 0.06-0.16 | 0.06-0.18 |
| | | | | | | 36.00-43.99 | 0.06-0.20 | **0.06-0.20** | 0.06-0.16 | 0.06-0.16 | 0.06-0.20 |
| | | | | | | 44.00-52.99 | 0.10-0.20 | **0.10-0.20** | 0.10-0.16 | 0.10-0.16 | 0.10-0.20 |
| | | | | | | 53.00-63.50 | 0.10-0.20 | **0.10-0.20** | 0.10-0.16 | 0.10-0.16 | 0.10-0.20 |
| S | S2.0.Z.AN (20.21) S2.0.Z.AG (20.22) S2.0.C.NS (20.24) | Aleaciones termorresistentes. Base de Ni | 140-425 | 4344 | 20-95 | 12.00-13.99 | **0.04-0.08** | 0.04-0.08 | | 0.04-0.08 | |
| | | | | H13A | 15-90 | 14.00-16.49 | **0.04-0.08** | 0.04-0.08 | 0.04-0.10 | 0.04-0.08 | 0.04-0.08 |
| | | | | 2044 | 20-90 | 16.50-19.99 | **0.05-0.08** | 0.05-0.08 | 0.05-0.10 | 0.05-0.08 | 0.05-0.08 |
| | | | | | | 20.00-23.99 | **0.05-0.08** | 0.05-0.08 | 0.05-0.10 | 0.05-0.08 | 0.05-0.08 |
| | | | | | | 24.00-29.99 | **0.06-0.10** | 0.06-0.10 | 0.06-0.12 | 0.06-0.08 | 0.05-0.08 |
| | | | | | | 30.00-35.99 | **0.06-0.12** | 0.06-0.12 | 0.06-0.12 | 0.06-0.12 | 0.06-0.12 |
| | | | | | | 36.00-43.99 | **0.06-0.12** | 0.06-0.12 | 0.06-0.12 | 0.06-0.12 | 0.06-0.12 |
| | | | | | | 44.00-52.99 | **0.06-0.12** | 0.06-0.12 | 0.06-0.12 | 0.06-0.12 | 0.06-0.12 |
| | | | | | | 53.00-63.50 | **0.08-0.14** | 0.08-0.14 | 0.06-0.14 | 0.08-0.12 | 0.08-0.14 |
| | S4.2.Z.AN (23.21) S4.3.Z.AG (23.22) | Titanio: aleaciones alfa, cerca de alfa y alfa + beta, recocidas Titanio: aleaciones alfa + beta en condiciones envejecidas, aleaciones beta recocidas o envejecidas | Rm (Mpa) 600-1500 | 4344 | 40-145 | 12.00-13.99 | **0.04-0.14** | 0.04-0.14 | | 0.04-0.10 | |
| | | | | H13A | 40-135 | 14.00-16.49 | **0.06-0.14** | 0.06-0.14 | 0.06-0.12 | 0.06-0.10 | 0.06-0.10 |
| | | | | 2044 | 40-135 | 16.50-19.99 | **0.08-0.16** | 0.08-0.16 | 0.08-0.14 | 0.08-0.12 | 0.08-0.12 |
| | | | | | | 20.00-23.99 | **0.08-0.16** | 0.08-0.16 | 0.08-0.14 | 0.08-0.12 | 0.08-0.12 |
| | | | | | | 24.00-29.99 | **0.12-0.18** | 0.12-0.18 | 0.10-0.16 | 0.10-0.14 | 0.10-0.14 |
| | | | | | | 30.00-35.99 | **0.12-0.18** | 0.12-0.18 | 0.10-0.18 | 0.10-0.16 | 0.12-0.18 |
| | | | | | | 36.00-43.99 | **0.12-0.18** | 0.12-0.18 | 0.10-0.18 | 0.10-0.16 | 0.12-0.18 |
| | | | | | | 44.00-52.99 | **0.12-0.18** | 0.12-0.18 | 0.10-0.18 | 0.10-0.16 | 0.12-0.18 |
| | | | | | | 53.00-63.50 | **0.14-0.20** | 0.14-0.20 | 0.14-0.20 | 0.12-0.16 | 0.14-0.20 |

Nota: el texto en negrita corresponde a la geometría recomendada

[1] La geometría MS sólo está disponible en GC2044

GC1044 es la calidad universal para plaquita central en todos los materiales

GC1144 es la calidad optimizada para plaquitas centrales en materiales ISO M

SPA

# CoroDrill® 880

**2 – 3 x DC**

| ISO | Núm. MC | Material | Dureza Brinell HB | Calidad | Velocidad de corte (m/min) | Diámetro de taladrado $D_c$ mm | Geometría / Avance Longitud de broca 2-3xD -LM $f_n$ mm/rev. | -GM $f_n$ mm/rev. | -GR $f_n$ mm/rev. | -GT $f_n$ mm/rev. |
|---|---|---|---|---|---|---|---|---|---|---|
| K | K1.1.C.NS (07.1) | Fundición maleable ferrítico (viruta corta) | 110-145 | 4324<br>4334<br>4344 | 140-245<br>110-200<br>80-155 | 12.00-13.99<br>14.00-16.49<br>16.50-19.99<br>20.00-23.99<br>24.00-29.99<br>30.00-35.99<br>36.00-43.99<br>44.00-52.99<br>53.00-63.50 | 0.06-0.10<br>0.06-0.12<br>0.08-0.14<br>0.08-0.14<br>0.10-0.16<br>0.10-0.16<br>0.12-0.18 | 0.06-0.12<br>0.08-0.14<br>0.10-0.18<br>0.10-0.20<br>0.10-0.20<br>0.10-0.20<br>0.12-0.22 | **0.06-0.20**<br>**0.08-0.22**<br>**0.14-0.28**<br>**0.16-0.32**<br>**0.10-0.32**<br>**0.10-0.34**<br>**0.12-0.34** | 0.08 - 0.22<br>0.10 - 0.26 |
| | K1.1.C.NS (07.2) | Perlítica (viruta larga) | 150-270 | 4324<br>4334<br>4344 | 105-180<br>85-150<br>65-110 | 12.00-13.99<br>14.00-16.49<br>16.50-19.99<br>20.00-23.99<br>24.00-29.99<br>30.00-35.99<br>36.00-43.99<br>44.00-52.99<br>53.00-63.50 | 0.06-0.10<br>0.06-0.12<br>0.08-0.14<br>0.08-0.14<br>0.10-0.16<br>0.10-0.16<br>0.10-0.16 | 0.06-0.12<br>0.08-0.14<br>0.10-0.16<br>0.10-0.18<br>0.10-0.20<br>0.10-0.20<br>0.10-0.20 | **0.06-0.16**<br>**0.08-0.18**<br>**0.10-0.24**<br>**0.10-0.28**<br>**0.10-0.30**<br>**0.10-0.32**<br>**0.10-0.32** | 0.08 - 0.18<br>0.10 - 0.24 |
| | K2.1.C.UT (08.1) | Fundición gris: baja resistencia a la tracción | 150-220 | 4324<br>4334<br>4344 | 210-325<br>170-270<br>130-205 | 12.00-13.99<br>14.00-16.49<br>16.50-19.99<br>20.00-23.99<br>24.00-29.99<br>30.00-35.99<br>36.00-43.99<br>44.00-52.99<br>53.00-63.50 | 0.06-0.10<br>0.06-0.12<br>0.08-0.14<br>0.08-0.14<br>0.10-0.16<br>0.10-0.16<br>0.12-0.18 | 0.06-0.12<br>0.08-0.14<br>0.10-0.18<br>0.10-0.20<br>0.10-0.20<br>0.10-0.20<br>0.12-0.22 | **0.06-0.20**<br>**0.08-0.22**<br>**0.10-0.28**<br>**0.10-0.32**<br>**0.10-0.32**<br>**0.10-0.34**<br>**0.12-0.34** | 0.08 - 0.22<br>0.10 - 0.28 |
| | K2.2.C.UT (08.2) | Alta resistencia a la tracción | 200-330 | 4324<br>4334<br>4344 | 125-245<br>100-195<br>75-150 | 12.00-13.99<br>14.00-16.49<br>16.50-19.99<br>20.00-23.99<br>24.00-29.99<br>30.00-35.99<br>36.00-43.99<br>44.00-52.99<br>53.00-63.50 | 0.06-0.10<br>0.06-0.12<br>0.08-0.14<br>0.08-0.14<br>0.10-0.16<br>0.10-0.16<br>0.10-0.16 | 0.06-0.12<br>0.08-0.14<br>0.10-0.16<br>0.10-0.18<br>0.10-0.20<br>0.10-0.20<br>0.10-0.20 | **0.06-0.16**<br>**0.08-0.18**<br>**0.10-0.24**<br>**0.10-0.28**<br>**0.10-0.30**<br>**0.10-0.32**<br>**0.10-0.32** | 0.08 - 0.18<br>0.10 - 0.24 |
| | K3.1.C.UT (09.1) | Fundición nodular (ferrítico) | 150-230 | 4324<br>4334<br>4344 | 125-225<br>100-185<br>80-145 | 12.00-13.99<br>14.00-16.49<br>16.50-19.99<br>20.00-23.99<br>24.00-29.99<br>30.00-35.99<br>36.00-43.99<br>44.00-52.99<br>53.00-63.50 | 0.06-0.10<br>0.06-0.12<br>0.08-0.14<br>0.08-0.14<br>0.10-0.16<br>0.10-0.16<br>0.10-0.16 | 0.06-0.12<br>0.08-0.14<br>0.10-0.16<br>0.10-0.18<br>0.10-0.20<br>0.10-0.20<br>0.10-0.20 | **0.08-0.16**<br>**0.10-0.18**<br>**0.12-0.24**<br>**0.14-0.28**<br>**0.10-0.30**<br>**0.10-0.32**<br>**0.10-0.32** | 0.08 - 0.18<br>0.10 - 0.24 |
| | K3.3.C.UT (09.2) | Perlítica | 200-330 | 4324<br>4334<br>4344 | 110-210<br>90-175<br>70-130 | 12.00-13.99<br>14.00-16.49<br>16.50-19.99<br>20.00-23.99<br>24.00-29.99<br>30.00-35.99<br>36.00-43.99<br>44.00-52.99<br>53.00-63.50 | 0.06-0.10<br>0.06-0.12<br>0.08-0.14<br>0.08-0.14<br>0.10-0.16<br>0.10-0.16<br>0.10-0.16 | 0.06-0.12<br>0.08-0.14<br>0.10-0.16<br>0.10-0.18<br>0.10-0.20<br>0.10-0.20<br>0.10-0.20 | **0.08-0.16**<br>**0.10-0.18**<br>**0.12-0.24**<br>**0.14-0.28**<br>**0.10-0.30**<br>**0.10-0.32**<br>**0.10-0.32** | 0.08 - 0.18<br>0.10 - 0.24 |

Nota: el texto en negrita corresponde a la geometría recomendada
La calidad de la plaquita central siempre es 1044.

# CoroDrill® 880

**2 – 3 x DC**

| ISO | Núm. MC | Material | Dureza Brinell HB | Calidad | Velocidad de corte (m/min) | Diámetro de taladrado $D_c$ mm | Geometría / Avance Longitud de broca 2-3xD -LM $f_n$ mm/rev. | -GM $f_n$ mm/rev. | -GR $f_n$ mm/rev. | -GT $f_n$ mm/rev. |
|---|---|---|---|---|---|---|---|---|---|---|
| H | H1.3.Z.HA (04.1) | Endurecido y templado | 47-65 (HRC) | 4324<br>4334<br>4344 | 30-85<br>30-85<br>30-85 | 12.00-13.99 | 0.10-0.16 | 0.10-0.20 | **0.10-0.32** | |
| | | | | | | 14.00-16.49 | 0.04-0.08 | **0.04-0.12** | 0.04-0.08 | 0.04 - 0.08 |
| | | | | | | 16.50-19.99 | 0.05-0.12 | **0.06-0.14** | 0.05-0.12 | 0.05 - 0.12 |
| | | | | | | 20.00-23.99 | 0.05-0.14 | **0.06-0.18** | 0.05-0.14 | 0.05 - 0.14 |
| | | | | | | 24.00-29.99 | 0.05-0.14 | **0.06-0.18** | 0.05-0.14 | 0.05 - 0.14 |
| | | | | | | 30.00-35.99 | 0.06-0.16 | **0.06-0.20** | 0.06-0.16 | |
| | | | | | | 36.00-43.99 | 0.06-0.16 | **0.06-0.20** | 0.06-0.16 | |
| | | | | | | 44.00-52.99 | 0.10-0.16 | **0.10-0.20** | 0.10-0.16 | |
| | | | | | | 53.00-63.50 | | | | |
| N | N1.2.Z.AG (30.12) | Aleaciones de Al. Forjadas o forjadas y envejecidas | 30-150 | 4344<br>H13A | 300-405<br>300-400 | 12.00-13.99 | 0.04-0.08 | | 0.04-0.08 | |
| | | | | | | 14.00-16.49 | **0.04-0.14** | 0.04-0.12 | 0.04-0.12 | 0.04-0.12 |
| | | | | | | 16.50-19.99 | **0.04-0.16** | 0.04-0.14 | 0.04-0.14 | 0.04 - 0.14 |
| | | | | | | 20.00-23.99 | **0.06-0.18** | 0.06-0.16 | 0.06-0.16 | 0.06 - 0.16 |
| | | | | | | 24.00-29.99 | **0.10-0.20** | 0.10-0.18 | 0.10-0.18 | 0.10-0.18 |
| | | | | | | 30.00-35.99 | **0.10-0.25** | 0.10-0.20 | 0.10-0.20 | |
| | | | | | | 36.00-43.99 | **0.10-0.25** | 0.10-0.20 | 0.10-0.20 | |
| | | | | | | 44.00-52.99 | **0.12-0.28** | 0.12-0.22 | 0.12-0.22 | |
| | | | | | | 53.00-63.50 | 0.12-0.28 | 0.12-0.22 | 0.12-0.22 | |
| | N1.3.C.UT (30.21) | Fundidas, no envejecidas | 40-100 | 4344<br>H13A | 300-405<br>300-400 | 12.00-13.99 | 0.04-0.12 | | 0.04-0.12 | |
| | | | | | | 14.00-16.49 | **0.04-0.12** | 0.04-0.14 | 0.04-0.12 | 0.04-0.12 |
| | | | | | | 16.50-19.99 | **0.04-0.14** | 0.04-0.16 | 0.04-0.14 | 0.04 - 0.14 |
| | | | | | | 20.00-23.99 | **0.06-0.16** | 0.06-0.18 | 0.06-0.16 | 0.06 - 0.16 |
| | | | | | | 24.00-29.99 | **0.10-0.18** | 0.10-0.20 | 0.10-0.18 | 0.10-0.18 |
| | | | | | | 30.00-35.99 | **0.10-0.20** | 0.10-0.22 | 0.10-0.20 | |
| | | | | | | 36.00-43.99 | **0.10-0.20** | 0.10-0.24 | 0.10-0.20 | |
| | | | | | | 44.00-52.99 | **0.12-0.22** | 0.12-0.26 | 0.12-0.22 | |
| | | | | | | 53.00-63.50 | 0.12-0.22 | 0.12-0.26 | 0.12-0.22 | |
| | N1.3.C.AG (30.22) | Fundición, o fundición y envejecido | 70-140 | 4344<br>H13A | 250-350<br>250-350 | 12.00-13.99 | 0.04-0.12 | | 0.04-0.12 | |
| | | | | | | 14.00-16.49 | **0.04-0.12** | 0.04-0.14 | 0.04-0.12 | 0.04-0.12 |
| | | | | | | 16.50-19.99 | **0.04-0.14** | 0.04-0.16 | 0.04-0.14 | 0.04 - 0.14 |
| | | | | | | 20.00-23.99 | **0.06-0.16** | 0.06-0.18 | 0.06-0.16 | 0.06 - 0.16 |
| | | | | | | 24.00-29.99 | **0.10-0.18** | 0.10-0.20 | 0.10-0.18 | 0.10-0.18 |
| | | | | | | 30.00-35.99 | **0.10-0.20** | 0.10-0.22 | 0.10-0.20 | |
| | | | | | | 36.00-43.99 | **0.10-0.20** | 0.10-0.24 | 0.10-0.20 | |
| | | | | | | 44.00-52.99 | **0.12-0.22** | 0.12-0.26 | 0.12-0.22 | |
| | | | | | | 53.00-63.50 | 0.12-0.22 | 0.12-0.26 | 0.12-0.22 | |
| | N3.3.U.UT (33.1) | Cobre y aleaciones de cobre | 70-160 | 4344<br>H13A | 250-400<br>250-400 | 12.00-13.99 | 0.04-0.14 | | 0.04-0.12 | |
| | | | | | | 14.00-16.49 | **0.04-0.14** | 0.04-0.12 | 0.04-0.12 | 0.04-0.12 |
| | | | | | | 16.50-19.99 | **0.04-0.16** | 0.04-0.14 | 0.04-0.14 | 0.04 - 0.14 |
| | | | | | | 20.00-23.99 | **0.06-0.18** | 0.06-0.16 | 0.06-0.16 | 0.06 - 0.16 |
| | | | | | | 24.00-29.99 | **0.10-0.20** | 0.10-0.18 | 0.10-0.18 | 0.10-0.18 |
| | | | | | | 30.00-35.99 | **0.10-0.25** | 0.10-0.20 | 0.10-0.20 | |
| | | | | | | 36.00-43.99 | **0.10-0.25** | 0.10-0.20 | 0.10-0.20 | |
| | | | | | | 44.00-52.99 | **0.12-0.28** | 0.12-0.22 | 0.12-0.22 | |
| | | | | | | 53.00-63.50 | 0.12-0.28 | 0.12-0.22 | 0.12-0.22 | |
| | N3.2.C.UT (33.2) | Latón y aleaciones de plomo (Pb < 1%) | 50-200 | 4344<br>H13A | 180-240<br>180-240 | 12.00-13.99 | 0.04-0.14 | | 0.04-0.12 | |
| | | | | | | 14.00-16.49 | **0.04-0.14** | 0.04-0.12 | 0.04-0.12 | 0.04-0.12 |
| | | | | | | 16.50-19.99 | **0.04-0.16** | 0.04-0.14 | 0.04-0.14 | 0.04 - 0.14 |
| | | | | | | 20.00-23.99 | **0.06-0.18** | 0.06-0.16 | 0.06-0.16 | 0.06 - 0.16 |
| | | | | | | 24.00-29.99 | **0.10-0.20** | 0.10-0.18 | 0.10-0.18 | 0.10-0.18 |
| | | | | | | 30.00-35.99 | **0.10-0.25** | 0.10-0.20 | 0.10-0.20 | |
| | | | | | | 36.00-43.99 | **0.10-0.25** | 0.10-0.20 | 0.10-0.20 | |
| | | | | | | 44.00-52.99 | **0.12-0.28** | 0.12-0.22 | 0.12-0.22 | |
| | | | | | | 53.00-63.50 | 0.12-0.28 | 0.12-0.22 | 0.12-0.22 | |

Nota: el texto en negrita corresponde a la geometría recomendada
La calidad de la plaquita central siempre es 1044.

SPA

# Herramienta de trepanado

| ISO | N.° CMC | Material | Dureza Brinell HB | Diám. de broca $D_c$ mm | Avance $f_n$ mm/r | Velocidad *vc* m/min | Geometría/ Calidad |
|---|---|---|---|---|---|---|---|
| P | | **Acero no aleado** | | | | | |
| | **01.0** | No templado 0,05-0,10% C | 80-170 | | 0.07–0.10 | 250-345 | -58/3040 |
| | **01.1** | No templado 0,05-0,25% C | 90–200 | | 0.07–0.12 | 225-315 | -58/3040 |
| | **01.2** | No templado 0,25–0,55% C | 125–225 | | | | |
| | **01.3** | No templado 0,55-0,80% C | 150–250 | 60-110 | 0.10-0.20 | 130-210 | -53/3040 |
| | **01.4** | Acero de alto contenido en carbono y acero de herramientas | 180–275 | | | | |
| | | **Acero de baja aleación** | | | | | |
| | **02.1** | No templado | 150–260 | | 0.11-0.18 | 145-210 | |
| | | | | 60-110 | | | -53/3040 |
| | **02.2** | Templado | 220–400 | | 0.10–0.20 | 100-165 | |
| | | **Acero de alta aleación** | | | | | |
| | **03.11** | Recocido | 50–250 | | 0.10–0.20 | 125-200 | |
| | **03.13** | Acero rápido (HSS) recocido | | 60-110 | | | -53/3040 |
| | **03.21** | Acero de herram. templado | 250–450 | | 0.11–0.18 | 90-145 | |
| | **03.22** | Acero templado | | | | | |
| | | **Acero fundido** | | | | | |
| | **06.1** | No aleado | 90–225 | | 0.06–0.12 | 195-280 | -58/3040 |
| | | | | 60-110 | | | |
| | **06.2** | Baja aleación (elementos de aleación ≤ 5%) | 150–250 | | 0.11–0.18 | 120-175 | -53/3040 |
| M | | **Acero inoxidable** | | | | | |
| | **05.1** | Ferrítico, martensítico Cr 13-25% | 150–270 | 60-110 | 0.10–0.20 | 170-240 | -58/3040 |
| | **05.2** | Austenítico Ni > 8%, 13-25% Cr | 150–270 | 60-110 | 0.10–0.16 | 100-140 | -58/235 |
| K | | **Maleable** | | | | | |
| | **07.1** | Ferrítica (viruta corta) | 110–145 | | 0.16-0.26 | 140-210 | |
| | | | | 60-110 | | | -53/3040 |
| | **07.2** | Perlítica (viruta larga) | 150–270 | | 0.14-0.20 | 105-155 | |
| | | **Fundición gris** | | | | | |
| | **08.1** | Baja resist. a la tracción | 150–220 | | 0.16-0.26 | 210-280 | |
| | | | | 60-110 | | | -53/3040 |
| | **08.2** | Alta resist. a la tracción | 200-300 | | 0.14-0.20 | 125-210 | |
| | | **Fundición nodular** | | | | | |
| | **09.1** | Ferrítica | 125-230 | | 0.14-0.20 | 125-195 | |
| | | | | 60-110 | | | -53/3040 |
| | **09.2** | Ferrítica | 200-300 | | 0.14-0.20 | 100-180 | |
| N | | **Aleaciones de aluminio** | | | | | |
| | **30.12** | Forjadas o forjadas y envejecidas | 75-150 | | | | |
| | **30.21** | Forjado | 40-100 | 60-110 | 0.12-0.22 | 250-400 | -53/H13A |
| | **30.22** | Fundidas, tratadas en solución y envejecidas | 70-125 | | | | |
| | | **Cobre y aleaciones de cobre** | | | | | |
| | **33.1** | Aleac. de fácil mecaniz. (Pb ≥ 1%) | 50-160 | 60-110 | 0.12-0.22 | 180-350 | -53/H13A |
| | **33.2** | Latón y bronces al plomo (Pb ≤ 1%) | | | | | |

# Broca de taladrado a media caña Coromant U con plaquita intercambiable

| ISO | N.º CMC | Material | Dureza Brinell HB | Diám. de broca $D_c$ mm | Avance $f_n$ mm/r | Velocidad $vc$ m/min | Geometría/Calidad PRIMERA ELECCIÓN La mayor productividad P | C | Complementarias P | C |
|---|---|---|---|---|---|---|---|---|---|---|
| P | | **Acero no aleado** | | 12.7–17.0 | 0.04–0.08 | 290 (230–380) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | 01.0 | No templado 0,05-0,10% C | 80-170 | 17.5–25.4 | 0.04–0.08 | | -53/3040 | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.05–0.08 | | -53/3040 | | -53/1020 | |
| | | | | 31.0–41.3 | 0.07–0.10 | | -53/3040 | | -53/1020 | |
| | | | | 42.0–80.0 | 0.08–0.12 | | -53/3040 | | -53/1020 | |
| | 01.1 | No templado 0,05-0,25% C | 90–200 | 12.7–17.0 | 0.04–0.08 | 270 (225–345) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | | | | 17.5–25.4 | 0.04–0.08 | | -53/3040 | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.05–0.10 | | -53/3040 | | -53/1020 | |
| | | | | 31.0–41.3 | 0.07–0.12 | | -53/3040 | | -53/1020 | |
| | | | | 42.0–80.0 | 0.08–0.14 | | -53/3040 | | -53/1020 | |
| | 01.2 | No templado 0,25–0,55% C | 125–225 | 12.7–17.0 | 0.04–0.10 | 230 (190–290) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | | | | 17.5–25.4 | 0.04–0.14 | | | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.08–0.18 | | | | -53/1020 | |
| | | | | 31.0–41.3 | 0.10–0.20 | | | | -53/1020 | |
| | | | | 42.0–80.0 | 0.12–0.24 | | | | -53/1020 | |
| | 01.3 | No templado 0,55-0,80% C | 150–225 | 12.7–17.0 | 0.04–0.10 | 210 (170–275) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | | | | 17.5–25.4 | 0.06–0.14 | | | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.08–0.18 | | | | -53/1020 | |
| | | | | 31.0–41.3 | 0.10–0.20 | | | | -53/1020 | |
| | | | | 42.0–80.0 | 0.12–0.24 | | | | -53/1020 | |
| | 01.4 | Acero de alto contenido en carbono y acero de herramientas | 180–275 | 12.7–17.0 | 0.04–0.10 | 210 (200–275) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | | | | 17.5–25.4 | 0.06–0.14 | | | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.08–0.18 | | | | -53/1020 | |
| | | | | 31.0–41.3 | 0.10–0.20 | | | | -53/1020 | |
| | | | | 42.0–80.0 | 0.12–0.24 | | | | -53/1020 | |
| | | **Acero de baja aleación** | | 12.7–17.0 | 0.04–0.10 | 220 (180–290) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | 02.1 | No templado | 150–260 | 17.5–25.4 | 0.06–0.12 | | | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.10–0.16 | | | | -53/1020 | |
| | | | | 31.0–41.3 | 0.11–0.18 | | | | -53/1020 | |
| | | | | 42.0-80.0 | 0.12–0.22 | | | | -53/1020 | |
| | 02.2 | Templado | 220–450 | 12.7–17.0 | 0.04–0.10 | 170 ( 90–230) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | | | | 17.5–25.4 | 0.06–0.14 | | | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.10–0.18 | | | | -53/1020 | |
| | | | | 31.0–41.3 | 0.10–0.20 | | | | -53/1020 | |
| | | | | 42.0–80.0 | 0.12–0.24 | | | | -53/1020 | |
| | | **Acero de alta aleación** | | 12.7–17.0 | 0.04–0.08 | 180 (160–275) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | 03.11 | Recocido | 50–250 | 17.5–25.4 | 0.04–0.14 | | | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.08–0.18 | | | | -53/1020 | |
| | | | | 31.0–41.3 | 0.10–0.20 | | | | -53/1020 | |
| | | | | 42.0–80.0 | 0.12–0.24 | | | | -53/1020 | |
| | 03.21 | Acero templado | 250–450 | 12.7–17.0 | 0.04–0.10 | 130 ( 80–200) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | | | | 17.5–25.4 | 0.06–0.12 | | | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.10–0.16 | | | | -53/1020 | |
| | | | | 31.0–41.3 | 0.11–0.18 | | | | -53/1020 | |
| | | | | 42.0–80.0 | 0.12–0.22 | | | | -53/1020 | |
| | | **Acero fundido** | | 12.7–17.0 | 0.04–0.08 | 200 (140–310) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | 06.1 | No aleado | 90–225 | 17.5–25.4 | 0.04–0.08 | | -53/3040 | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.05–0.10 | | -53/3040 | | -53/1020 | |
| | | | | 31.0–41.3 | 0.06–0.12 | | -53/3040 | | -53/1020 | |
| | | | | 42.0–80.0 | 0.07–0.14 | | -53/3040 | | -53/1020 | |
| | 06.2 | Baja aleación (elementos de aleación ≤ 5%) | 150–250 | 12.7–17.0 | 0.04–0.10 | 160 (110–250) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | | | | 17.5–25.4 | 0.06–0.12 | | | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.10–0.16 | | | | -53/1020 | |
| | | | | 31.0–41.3 | 0.11–0.18 | | | | -53/1020 | |
| | | | | 42.0–80.0 | 0.12–0.22 | | | | -53/1020 | |
| M | | **Acero inoxidable** | | 12.7–17.0 | 0.04–0.10 | 170 (120–265) | 53/3040 | 53/1020 | 53/1120 | 53/1020 |
| | 05.11 | Ferrítico, martensítico Cr 13-25% | 150–270 | 17.5–25.4 | 0.04–0.14 | | 53/3040 | | 53/1020 | |
| | | | | 26.0–30.0 | 0.08–0.18 | | 53/3040 | | 53/1020 | |
| | | | | 31.0–41.3 | 0.10–0.20 | | 53/3040 | | 53/1020 | |
| | | | | 42.0–80.0 | 12–0.24 | | 53/3040 | | 53/1020 | |
| | 05.21 | Austenítico Ni > 8%, 13-25% Cr | 150–275 | 12.7–17.0 | 0.04–0.10 | 150 (120–250) | 53/3040 | 53/1020 | 53/1120 | 53/1020 |
| | | | | 17.5–25.4 | 0.04–0.12 | | 53/3040 | | 53/1020 | |
| | | | | 26.0–30.0 | 0.08–0.14 | | 53/3040 | | 53/1020 | |
| | | | | 31.0–41.3 | 0.10–0.16 | | 53/3040 | | 53/1020 | |
| | | | | 42.0–80.0 | 0.11–0.18 | | 53/3040 | | 53/1020 | |
| | 05.51 05.52 | Austenítico Ferrítico (dúplex) | 180–320 | 12.7–17.0 | 0.04–0.10 | 110 ( 90–145) | 53/3040 | 53/1020 | 53/1120 | 53/1020 |
| | | | | 17.5–25.4 | 0.04–0.12 | | 53/3040 | | 53/1020 | |
| | | | | 26.0–30.0 | 0.08–0.14 | | 53/3040 | | 53/1020 | |
| | | | | 31.0–41.3 | 0.10–0.16 | | 53/3040 | | 53/1020 | |
| | | | | 42.0–80.0 | 0.11–0.18 | | 53/3040 | | 53/1020 | |

**Posicionamiento de la plaquita:** C = Central, P = Periférico

Wiper TECHNOLOGY Geometría WM para el mecanizado de acero y fundición con una dureza < 200 HB bajo condiciones estables, incremente el avance (fn) un 50%. Para aceros inoxidables de fácil mecanización bajo condiciones estables, incremente el avance (fn) un 25%.



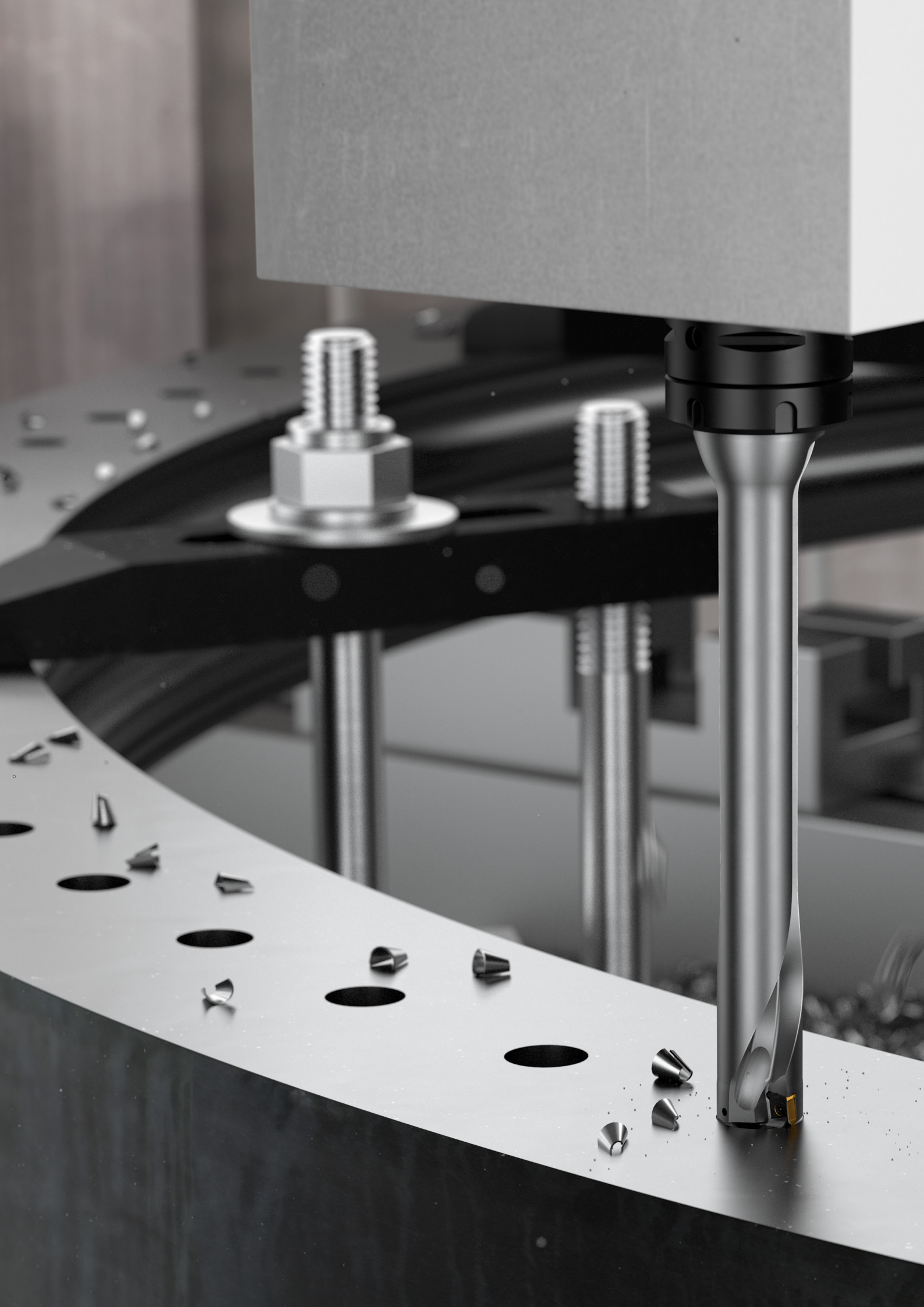
SANDVIK Coromant

SPA

# Broca de taladrado a media caña Coromant U con plaquita intercambiable

| ISO | N.° CMC | Material | Dureza Brinell HB | Diám. de broca $D_c$ mm | Avance $f_n$ mm/r | Velocidad $vc$ m/min | Geometría/Calidad PRIMERA ELECCIÓN La mayor productividad P | C | Complementarias P | C |
|---|---|---|---|---|---|---|---|---|---|---|
| M | | **Acero inoxidable** | | 12.7–17.0 | 0.04–0.08 | | -53/1120 | | -53/1120 | -53/1020 |
| | 15.21 | Fundiciones austeníticas | 150–250 | 17.5–25.4 | 0.04–0.12 | | | -53/1020 | -53/1020 | |
| | | | | 26.0–30.0 | 0.05–0.12 | 110 ( 80–155) | -53/1020 | -53/1020 | -53/1020 | |
| | | | | 31.0–41.3 | 0.06–0.14 | | | -53/1020 | -53/1020 | |
| | | | | 42.0–80.0 | 0.06–0.14 | | | -53/1020 | -53/1020 | |
| S | | **Aleaciones termorresistentes** | | 12.7–17.0 | 0.03–0.08 | | -53/1120 | | -53/1120 | -53/1020 |
| | 20.21 | Con base Ni | 140–425 | 17.5–25.4 | 0.04–0.08 | | | -53/1020 | -53/1020 | |
| | 20.22 | | | 26.0–30.0 | 0.06–0.10 | 50 ( 20– 88) | -53/1020 | -53/1020 | -53/1020 | |
| | 20.24 | | | 31.0–41.3 | 0.08–0.12 | | | -53/1020 | -53/1020 | |
| | | | | 42.0–80.0 | 0.09–0.14 | | | -53/1020 | -53/1020 | |
| | | **Aleaciones de titanio** | | 12.7–17.0 | 0.04–0.10 | | -53/1120 | -53/1020 | -53/1120 | -53/1020 |
| | 23.21 | aleaciones α, cerca de α y α+β. | 600–1500 | 17.5–25.4 | 0.08–0.14 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | 23.22 | Aleaciones recocidas o envejecidas | | 26.0–30.0 | 0.12–0.16 | 60 ( 40–132) | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 31.0–41.3 | 0.14–0.18 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 42.0–80.0 | 0.16–0.20 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| K | | **Fundición maleable** | | 12.7–17.0 | 0.04–0.14 | 170 (140–230) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | 07.1 | Ferrítica (viruta corta) | 110–145 | 17.5–25.4 | 0.10–0.18 | | | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.14–0.20 | | | | -53/1020 | |
| | | | | 31.0–41.3 | 0.16–0.26 | | | | -53/1020 | |
| | | | | 42.0–80.0 | 0.18–0.28 | | | | -53/1020 | |
| | 07.2 | Perlítica (viruta larga) | 150–270 | 12.7–17.0 | 0.04–0.10 | 140 (105–170) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | | | | 17.5–25.4 | 0.08–0.14 | | | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.12–0.18 | | | | -53/1020 | |
| | | | | 31.0–41.3 | 0.14–0.20 | | | | -53/1020 | |
| | | | | 42.0–80.0 | 0.15–0.22 | | | | -53/1020 | |
| | | **Fundición gris** | | 12.7–17.0 | 0.04–0.14 | 250 (210–310) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | 08.1 | Baja resistencia a la tracción | 150–220 | 17.5–25.4 | 0.10–0.18 | | | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.14–0.20 | | | | -53/1020 | |
| | | | | 31.0–41.3 | 0.16–0.26 | | | | -53/1020 | |
| | | | | 42.0–80.0 | 0.18–0.28 | | | | -53/1020 | |
| | 08.2 | Alta resistencia a la tracción | 200–330 | 12.7–17.0 | 0.04–0.10 | 170 (125–230) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | | | | 17.5–25.4 | 0.08–0.14 | | | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.12–0.18 | | | | -53/1020 | |
| | | | | 31.0–41.3 | 0.14–0.20 | | | | -53/1020 | |
| | | | | 42.0–80.0 | 0.15–0.22 | | | | -53/1020 | |
| | | **Fundición nodular** | | 12.7–17.0 | 0.04–0.10 | 170 (125–215) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | 09.1 | Ferrítica | 125–230 | 17.5–25.4 | 0.08–0.14 | | | | -53/1020 | T-53/1020 |
| | | | | 26.0–30.0 | 0.12–0.18 | | | | -53/1020 | |
| | | | | 31.0–41.3 | 0.14–0.20 | | | | -53/1020 | |
| | | | | 42.0–80.0 | 0.15–0.22 | | | | -53/1020 | |
| | 09.2 | Perlítica | 200–300 | 12.7–17.0 | 0.04–0.10 | 150 (110–200) | -53/3040 | -53/1020 | -53/1120 | -53/1020 |
| | | | | 17.5–25.4 | 0.08–0.14 | | | | -53/1020 | |
| | | | | 26.0–30.0 | 0.12–0.18 | | | | -53/1020 | |
| | | | | 31.0–41.3 | 0.14–0.20 | | | | -53/1020 | |
| | | | | 42.0–80.0 | 0.15–0.22 | | | | -53/1020 | |
| H | | **Acero extraduro** | | 12.7–17.0 | 0.05-0.08 | | | | | |
| | 04.1 | Endurecido y templado | 450 | 17.5–25.4 | 0.07-0.15 | | | | | |
| | | | | 26.0–30.0 | 0.07-0.15 | 40 (30-80) | -53/3040 | -53/1020 | -53/1020 | -53/1020 |
| | | | | 31.0–41.3 | 0.10-0.15 | | | | -53/1120 | |
| | | | | 42.0–80.0 | 0.10-0.15 | | | | | |
| N | | **Aleaciones de aluminio** | | 12.7–17.0 | 0.04–0.12 | 350 (300–440) | -53/1120 | -53/1020 | -53/1120 | -53/1020 |
| | 30.12 | Forjadas o forjadas y envejecidas | 30–150 | 17.5–25.4 | 0.06–0.16 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 26.0–30.0 | 0.10–0.18 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 31.0–41.3 | 0.12–0.22 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 42.0–80.0 | 0.14–0.26 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | 30.21 | Fundidas, no envejecidas | 40–100 | 12.7–17.0 | 0.04–0.12 | 150 ( 30–440) | -53/1120 | -53/1020 | -53/1120 | -53/1020 |
| | | | | 17.5–25.4 | 0.06–0.16 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 26.0–30.0 | 0.10–0.18 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 31.0–41.3 | 0.12–0.22 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 42.0–80.0 | 0.14–0.26 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | 30.22 | Fundición, o fundición y envejecido | 70–140 | 12.7–17.0 | 0.04–0.12 | 300 (250–385) | -53/1120 | -53/1020 | -53/1120 | -53/1020 |
| | | | | 17.5–25.4 | 0.06–0.16 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 26.0–30.0 | 0.10–0.18 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 31.0–41.3 | 0.12–0.22 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 42.0–80.0 | 0.14–0.26 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | **Cobre y aleaciones de cobre** | | 12.7–17.0 | 0.04–0.12 | 300 (250–385) | -53/1120 | -53/1020 | -53/1120 | -53/1020 |
| | 33.1 | Aleac. de fácil mecaniz. (Pb ≥ 1%) | 50–160 | 17.5–25.4 | 0.06–0.16 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 26.0–30.0 | 0.10–0.18 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 31.0–41.3 | 0.12–0.22 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 42.0–80.0 | 0.14–0.26 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | 33.2 | Latón y aleaciones de plomo (Pb ≤ 1%) | 50–160 | 12.7–17.0 | 0.04–0.12 | 230 (180–265) | -53/1120 | -53/1020 | -53/1120 | -53/1020 |
| | | | | 17.5–25.4 | 0.06–0.16 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 26.0–30.0 | 0.10–0.18 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 31.0–41.3 | 0.12–0.22 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |
| | | | | 42.0–80.0 | 0.14–0.26 | | -53/H13A | -53/H13A | -53/H13A | -53/H13A |

**Posicionamiento de la plaquita:** C = Central P = Periférico



# Mandrinado


Mandrinado en desbaste K3

CoroBore® BR10 K4

CoroBore® BR20 K6

CoroBore® BR30 K17

CoroBore® 820 XL K23

Mandrinado de precisión K34

Cabeza de mandrinado de precisión y barras de mandrinar 391.37A/B K38

CoroBore® 824 K35

CoroBore® 825 K43

CoroBore ® 826 K44

CoroBore® 825 XL K53

CoroBore® 826 XL K53

Ranurado frontal K66

Adaptador CoroCut® MB K67

CoroBore® 825 SL K68

SpiroGrooving™ K71

Torneado con interpolación K74

Adaptadores K76

Cartuchos CoroBore® para mandrinado K78

# Cómo se elige la herramienta de mandrinado

## Identifique los conceptos de herramienta

**1**

- Defina el tipo de aplicación
- Identifique su tipo de aplicación: desbaste, acabado y ranurado frontal. Tenga en cuenta las características del agujero a mecanizar, las limitaciones, el material y la máquina.
- Seleccione un sistema de mandrinado
- Identifique su tipo de operación: mandrinado de varios filos, mandrinado de un filo, mandrinado escalonado, mandrinado a tracción o mandrinado exterior para encontrar las gamas de diámetro disponibles y los accesorios necesarios.

**Nota: intente utilizar siempre el acoplamiento más grande posible. Recuerde calcular el consumo de potencia y el par de la aplicación.**

## Seleccione la plaquita

**2**

- Seleccione las plaquitas en función de los requisitos del agujero: defina el ángulo de posición y el tipo de plaquita. Las plaquitas específicas para mandrinado están disponibles en el capítulo de mandrinado. Las plaquitas ISO se encuentran en el capítulo de torneado del Catálogo de herramientas de torneado.
- Para obtener más información sobre recomendaciones iniciales y plaquitas para operaciones de mandrinado, consulte la página K91.

## Seleccione los componentes del sistemas de herramientas

**3**

- En caso de necesitarlo, encontrará la selección completa de adaptadores del lado de la máquina, extensiones y reducciones para construir su herramienta modular en la página L2.
- Intente mantener siempre las herramientas lo más cortas posible.

## Componentes para herramientas de mandrinado

- La información sobre piezas incluidas y componentes adicionales está disponible en www.sandvik.coromant.com/es

## Accesorios y piezas de repuesto

- Los accesorios y piezas de repuesto correspondientes a todas las gamas de herramientas de mandrinar están disponibles en www.sandvik.coromant.com/es

# Cómo seleccionar una herramienta de ranurado frontal

## Seleccione su herramienta

**1**

- El conjunto de herramienta sin la plaquita y la cabeza SL se elige en función de los requisitos del acoplamiento de lado de la máquina y del diámetro.

## Seleccione las cabezas SL

**2**

- Identifique las cabezas SL para ranurado frontal:
- El diámetro del primer corte de la cabeza SL debe corresponderse con el diámetro de la aplicación de ranurado frontal.
- La anchura de la ranura influirá en la selección de las cabezas SL y las plaquitas.
- Utilice solo cabezas SL con adaptador del lado de la máquina del tipo SL32, a izquierda, curva A (convexa).
- Según el código del kit de herramientas, la dimensión LF=18 mm de la cabeza SL ofrece el máximo diámetro. LF=14 mm reduce la gama de diámetros de la herramienta de ranurado frontal con 8 mm.
- Consulte CoroCut de 1 y 2 filos en el Catálogo de herramientas de torneado para ver la gama de cabezas SL.

## Seleccione la plaquita

**3**

- Elija entre las plaquitas del sistema CoroCut de 1 y 2 filos. Consulte el catálogo de Herramientas de torneado.

SPA

# Mandrinado en desbaste

| | Concepto de herramienta | Gama de diámetros, mm | Tolerancia de agujero | Filos de corte | Operación | Elección de plaquitas | Adaptador del lado de la máquina | Página |
|---|---|---|---|---|---|---|---|---|
| **CoroBore® BR10**  | Convencional | 32-170 | IT9 | 1 | - Mandrinado a tracción de un solo filo | - CoroTurn® 107 | - Coromant Capto®<br>- Coromant EH | K4-K5 |
| **CoroBore® BR20**  | Convencional | 23-150 | IT9 | 2 | - Mandrinado a tracción de un solo filo<br>- Mandrinado<br>- Mandrinado escalonado<br>- Mandrinado de un solo filo | - CoroTurn® 107<br>- T-Max® P<br>- CoroBore® 111 | - Coromant Capto®<br>- Coromant EH | K6-K10 |
|  | Antivibratorio | 23-150 | IT9 | 2 | - Mandrinado<br>- Mandrinado escalonado<br>- Mandrinado de un solo filo | - CoroTurn® 107<br>- CoroBore® 111 | - Coromant Capto® | K14 |
| **CoroBore® BR30**  | Convencional | 35-214 | IT9 | 3 | - Mandrinado<br>- Mandrinado escalonado<br>- Mandrinado de un solo filo | - CoroTurn® 107<br>- T-Max® P<br>- CoroBore® 111 | - Coromant Capto® | K17-K21 |
| Mandrinado de cavidades  | Convencional | 85-205 | IT9 | 4,6,8 | - Mandrinado<br>- Mandrinado escalonado | - CoroTurn® 107*<br>- CoroBore® 111 | - Coromant Capto® | K22 |
| **CoroBore® 820 XL**  | Convencional | 148-300 (350**)<br><br>298-1260 | IT9 | 2 | - Mandrinado<br>- Mandrinado escalonado<br>- Mandrinado de un solo filo | - CoroTurn® 107<br>- T-Max® P<br>- CoroBore® 111 | - Coromant Capto®<br><br>- 40X con círculo de 4 pernos | K24-K25<br><br>K28-K31 |
|  | Peso ligero | 148-300 | IT9 | 2 | - Mandrinado<br>- Mandrinado escalonado<br>- Mandrinado de un solo filo | - CoroTurn® 107<br>- CoroBore® 111 | - 40S con círculo de 4 pernos | K26 |
|  | Antivibratorio | 148-300 | IT9 | 2 | - Mandrinado<br>- Mandrinado escalonado<br>- Mandrinado de un solo filo | - CoroTurn® 107<br>- CoroBore® 111 | - Adaptador antivibratorio A33 | K27 |

*No incluidos en el kit, los componentes deben pedirse por separado.

**Los componentes deben pedirse por separado.

# CoroBore® BR10

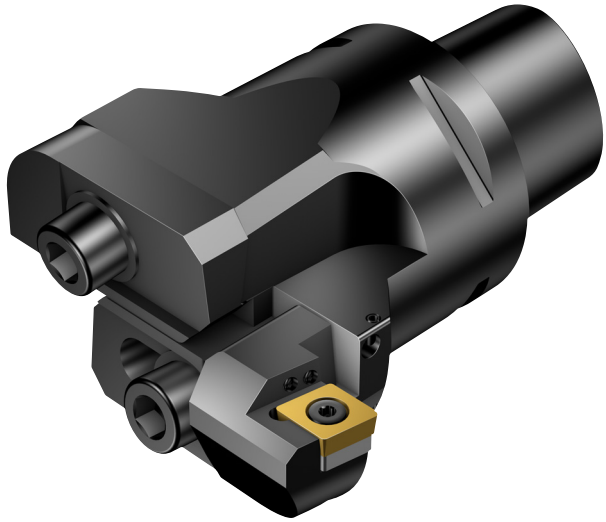
## Herramientas de mandrinado a tracción de un solo filo

### Aplicación

- Mandrinado en desbaste
- Mandrinado a tracción

### Área de aplicación ISO:

P M K N S H



### Ventajas y características

- Escala de marcado láser en el adaptador para una mayor facilidad de uso a la hora de reglar el diámetro
- Puede montarse cómodamente como una herramienta de mandrinar de dos filos mediante correderas BR20
- Boquillas de refrigerante con capacidad de gran precisión en la corredera para una orientación exacta del refrigerante
- Refrigerante a través de la herramienta para una buena evacuación de la viruta
- Modularidad con Coromant Capto® y Coromant EH

www.sandvik.coromant.com/coroborebr10

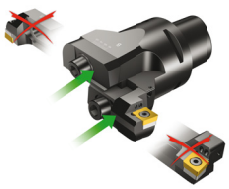
### Herramientas

Acoplamientos:
- Coromant Capto®
– Coromant EH

### Plaquitas

- Plaquitas CoroTurn® 107 estándar con una amplia selección de calidades y geometrías para todo tipo de materiales.

La herramienta de mandrinado a tracción se basa en el adaptador CoroBore® BR20 y una exclusiva corredera y cubierta de mandrinado a tracción.



Disponible como kit de mandrinado a tracción completo o corredera y cubierta de mandrinado a tracción independientes como artículos complementarios.

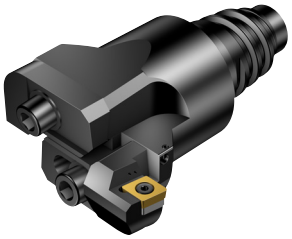


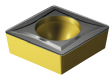
SPA

# Herramienta de mandrinado en desbaste CoroBore® BR10 para mandrinado a tracción

## Coromant EH - Suministro de refrigerante interior

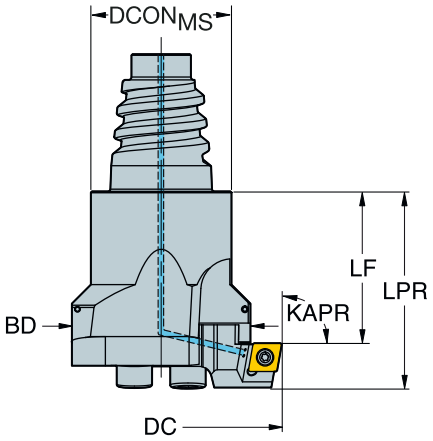
KAPR 90°





CCMT, CCGT
CCGX, CCET

CCMW

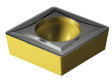



| DCN | DCX | | $CZC_{MS}$ | CNSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $ADJLX_{RDL}$ | LF | LPR | $BD_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32.00 | 38.00 | 06 | E20 | 1 | BR10-38CC06F-EH20 | 19.30 | 3.00 | 15.00 | 25.00 | 20.00 | 70 | 0.070 | 1 | CCMT 06 02 04 |
| 37.00 | 45.00 | 06 | E25 | 1 | BR10-45CC06F-EH25 | 24.20 | 4.00 | 14.00 | 24.00 | 24.00 | 70 | 0.110 | 1 | CCMT 06 02 04 |

## Coromant Capto® - Suministro de refrigerante interior

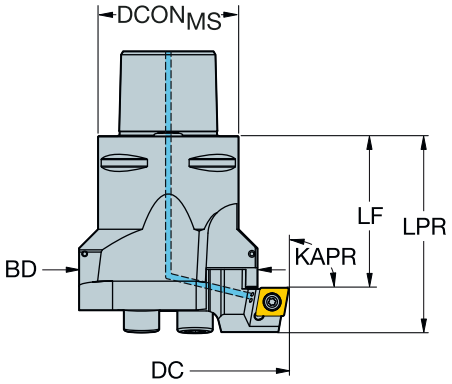
KAPR 90°





CCMT, CCGT
CCGX, CCET

CCMW




| DCN | DCX | | $CZC_{MS}$ | CNSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $ADJLX_{RDL}$ | LF | LPR | $BD_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44.00 | 54.00 | 06 | C3 | 3 | BR10-54CC06F-C3 | 32.00 | 5.00 | 35.00 | 45.00 | 30.00 | 70 | 0.560 | 1 | CCMT 06 02 04 |
| 53.00 | 65.00 | 06 | C4 | 3 | BR10-65CC06F-C4 | 40.00 | 6.00 | 43.00 | 53.00 | 39.00 | 70 | 0.560 | 1 | CCMT 06 02 04 |
| 64.00 | 76.00 | 09 | C4 | 3 | BR10-76CC09F-C4 | 40.00 | 6.00 | 43.00 | 58.00 | 39.00 | 70 | 0.560 | 1 | CCMT 09 T3 08 |
| 75.00 | 91.00 | 12 | C5 | 3 | BR10-91CC12F-C5 | 50.00 | 8.00 | 48.00 | 68.00 | 50.00 | 70 | 0.860 | 1 | CCMT 12 04 08 |
| 90.00 | 110.00 | 12 | C5 | 3 | BR10-110CC12F-C5 | 50.00 | 10.00 | 50.00 | 70.00 | 63.00 | 70 | 1.230 | 1 | CCMT 12 04 08 |
| 109.00 | 136.00 | 12 | C6 | 3 | BR10-136CC12F-C6 | 63.00 | 13.50 | 68.00 | 88.00 | 82.00 | 70 | 2.080 | 1 | CCMT 12 04 08 |
| 135.00 | 170.00 | 12 | C6 | 3 | BR10-170CC12F-C6 | 63.00 | 17.50 | 78.00 | 98.00 | 108.00 | 70 | 2.380 | 1 | CCMT 12 04 08 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado


L2


M1



N23



N15

# CoroBore® BR20

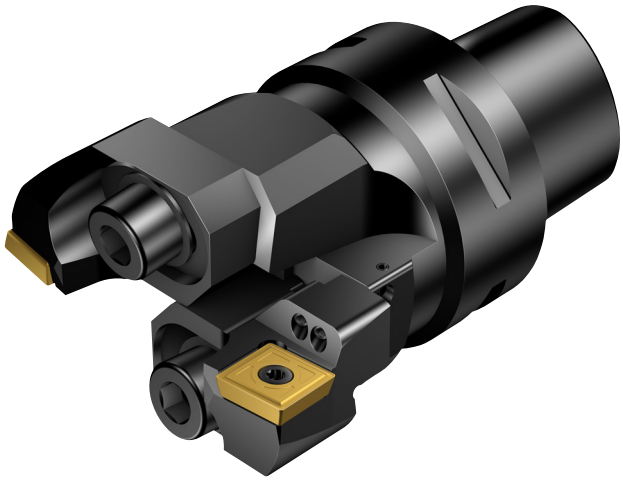
## Herramientas gemelas de mandrinado en desbaste flexible

### Aplicación

- Mandrinado en desbaste
- Mandrinado de doble filo
- Mandrinado escalonado
- Mandrinado a tracción
- Mandrinado de un solo filo

**Área de aplicación ISO:**

P M K N S H



### Ventajas y características

- Escala de marcado láser en el adaptador para una mayor facilidad de uso a la hora de reglar el diámetro
- Posibilidad de montaje simplificado como herramienta de mandrinado a tracción, con una corredera o cubierta exclusiva
- Función de mandrinado escalonado integrada sin necesidad de placa de apoyo adicional
- Paso diferencial que reduce la tendencia a la vibración; por lo que las herramientas pueden usarse con voladizos y profundidades de corte más grandes
- Plaquitas de cuatro filos específicas con calidades optimizadas para mandrinado en desbaste.
- Boquillas de refrigerante con capacidad de gran precisión en la corredera para una orientación exacta del refrigerante
- Refrigerante a través de la herramienta para una buena evacuación de la viruta
- También disponible en la gama de herramientas de mandrinado antivibratorias

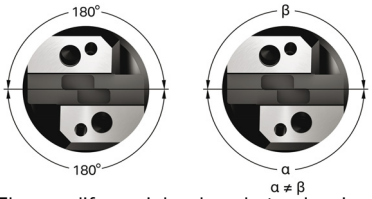
www.sandvik.coromant.com/coroborebr20

### Herramientas

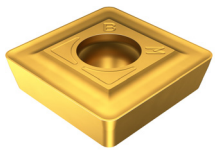
Acoplamientos:
- Coromant Capto®
– Coromant EH

### Plaquitas

Plaquitas estándar con calidades y geometrías específicas para todo tipo de material
- CoroBore® 111
- CoroTurn® 107




El paso diferencial reduce la tendencia a la vibración; por lo que las herramientas pueden usarse con voladizos y profundidades de corte más grandes.



Plaquitas de mandrinado en desbaste CoroBore® 111 específicas. Con una excelente rotura de la viruta y mayor duración.




Resuelve todos los problemas derivados de trabajar con voladizos largos.
Utilizar Silent Tools™ le permite duplicar la profundidad de corte y disfrutar de un mandrinado productivo.

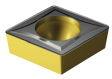
SPA

# Herramienta gemela de mandrinado en desbaste CoroBore® BR20

**Coromant EH - Suministro de refrigerante interior**

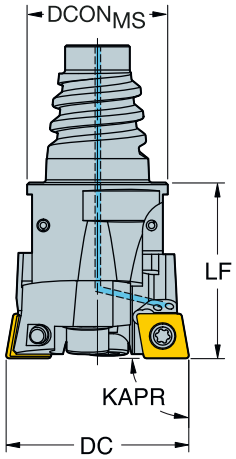
KAPR 90°





CCMT, CCGT
CCGX, CCET

CCMW




| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | LF | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23.00 | 29.00 | 06 | E20 | 1 | **BR20-29CC06F-EH20** | 19.30 | 3.00 | 25.00 | 70 | 0.070 | 2 | CCMT 06 02 04 |
| 28.00 | 36.00 | 06 | E25 | 1 | **BR20-36CC06F-EH25** | 24.20 | 4.00 | 25.00 | 70 | 0.110 | 2 | CCMT 06 02 04 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado


L2


M1



N23



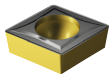
N15


K85

# Herramienta gemela de mandrinado en desbaste CoroBore® BR20

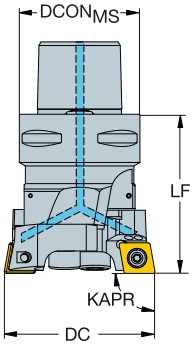
**Coromant Capto® - Suministro de refrigerante interior**

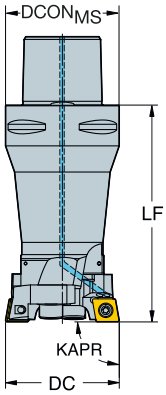




CCMT, CCGT
CCGX, CCET
CCMW

| | | |
|---|---|---|
| KAPR | 90° | 90° |
| DSGN | 1 | 2 |




| | | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | | $CZC_{MS}$ | CNSC | DSGN | Código de pedido | $DCON_{MS}$ | $ADJLX_{RDL}$ | ULDR | LF | $BD_1$ | BAR | KG | CICT | MIID |
| 23.00 | 29.00 | 06 | C3 | 3 | 2 | BR20-29CC06F-C3 | 32.00 | 3.00 | 2.00 | 76.00 | 20.00 | 70 | 0.260 | 2 | CCMT 06 02 04 |
| 28.00 | 36.00 | 06 | C3 | 3 | 2 | BR20-36CC06F-C3 | 32.00 | 4.00 | 2.00 | 83.00 | 24.00 | 70 | 0.360 | 2 | CCMT 06 02 04 |
| 35.00 | 45.00 | 09 | C3 | 3 | 1 | BR20-45CC09F-C3 | 32.00 | 5.00 | | 48.00 | | 70 | 0.270 | 2 | CCMT 09 T3 08 |
| 35.00 | 45.00 | 09 | C4 | 3 | 2 | BR20-45CC09F-C4 | 40.00 | 5.00 | 1.50 | 83.00 | 30.00 | 70 | 0.560 | 2 | CCMT 09 T3 08 |
| 44.00 | 56.00 | 09 | C4 | 3 | 1 | BR20-56CC09F-C4 | 40.00 | 6.00 | | 56.00 | | 70 | 0.480 | 2 | CCMT 09 T3 08 |
| 44.00 | 56.00 | 09 | C5 | 3 | 2 | BR20-56CC09F-C5 | 50.00 | 6.00 | 1.50 | 98.00 | 39.00 | 70 | 1.030 | 2 | CCMT 09 T3 08 |
| 55.00 | 71.00 | 12 | C5 | 3 | 1 | BR20-71CC12F-C5 | 50.00 | 8.00 | | 66.00 | | 70 | 0.860 | 2 | CCMT 12 04 08 |
| 55.00 | 71.00 | 12 | C6 | 3 | 2 | BR20-71CC12F-C6 | 63.00 | 8.00 | 1.50 | 120.00 | 50.00 | 70 | 1.940 | 2 | CCMT 12 04 08 |
| 70.00 | 90.00 | 12 | C5 | 3 | 1 | BR20-90CC12F-C5 | 50.00 | 10.00 | | 70.00 | | 70 | 1.230 | 2 | CCMT 12 04 08 |
| 70.00 | 90.00 | 12 | C6 | 3 | 1 | BR20-90CC12F-C6 | 63.00 | 10.00 | | 78.00 | | 70 | 1.580 | 2 | CCMT 12 04 08 |
| 89.00 | 116.00 | 12 | C6 | 3 | 1 | BR20-116CC12F-C6 | 63.00 | 13.50 | | 90.00 | | 70 | 2.080 | 2 | CCMT 12 04 08 |
| 89.00 | 116.00 | 12 | C8 | 3 | 1 | BR20-116CC12F-C8 | 80.00 | 13.50 | | 94.00 | | 70 | 2.990 | 2 | CCMT 12 04 08 |
| 115.00 | 150.00 | 12 | C6 | 3 | 1 | BR20-150CC12F-C6 | 63.00 | 17.50 | | 90.00 | | 70 | 2.380 | 2 | CCMT 12 04 08 |
| 115.00 | 150.00 | 12 | C8 | 3 | 1 | BR20-150CC12F-C8 | 80.00 | 17.50 | | 100.00 | | 70 | 3.630 | 2 | CCMT 12 04 08 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado
Para todas las DSGN 2; LU = DC*ULDR

SPA

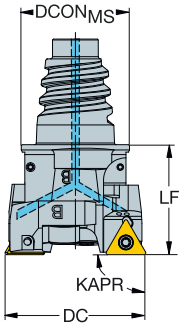
# Herramienta gemela de mandrinado en desbaste CoroBore® BR20

**Coromant EH - Suministro de refrigerante interior**

KAPR 90°








TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

| | | | | | | Dimensiones, mm | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | | $CZC_{MS}$ | CNSC | Código de pedido | $DCON_{MS}$ | $ADJLX_{RDL}$ | LF | BAR | KG | CICT | MIID |
| 28.00 | 36.00 | 09 | E25 | 1 | BR20-36TC09F-EH25 | 24.20 | 4.00 | 25.00 | 70 | 0.130 | 2 | TCMT 09 02 04 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

L2 M1 N23 N15 K85

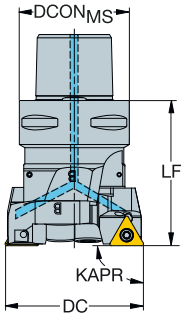
# Herramienta gemela de mandrinado en desbaste CoroBore® BR20

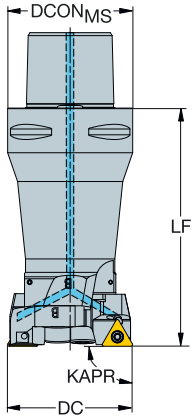
**Coromant Capto® - Suministro de refrigerante interior**

| | | |
|---|---|---|
| KAPR | 90° | 90° |
| DSGN | 1 | 2 |








TCMT, TCMX, TCGT, TCGX TCEX

TCMW

| DCN | DCX | | $CZC_{MS}$ | CNSC | DSGN | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $ADJLX_{RDL}$ | ULDR | LF | $BD_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28.00 | 36.00 | 09 | C3 | 3 | 2 | **BR20-36TC09F-C3** | 32.00 | 4.00 | 2.00 | 83.00 | 24.00 | 70 | 0.380 | 2 | TCMT 09 02 04 |
| 35.00 | 45.00 | 11 | C3 | 3 | 1 | **BR20-45TC11F-C3** | 32.00 | 5.00 | | 48.00 | | 70 | 0.270 | 2 | TCMT 11 03 04 |
| 44.00 | 56.00 | 11 | C4 | 3 | 1 | **BR20-56TC11F-C4** | 40.00 | 6.00 | | 56.00 | | 70 | 0.500 | 2 | TCMT 11 03 04 |
| 55.00 | 71.00 | 16 | C5 | 3 | 1 | **BR20-71TC16F-C5** | 50.00 | 8.00 | | 66.00 | | 70 | 0.860 | 2 | TCMT 16 T3 08 |
| 70.00 | 90.00 | 16 | C5 | 3 | 1 | **BR20-90TC16F-C5** | 50.00 | 10.00 | | 70.00 | | 70 | 1.250 | 2 | TCMT 16 T3 08 |
| 70.00 | 90.00 | 16 | C6 | 3 | 1 | **BR20-90TC16F-C6** | 63.00 | 10.00 | | 78.00 | | 70 | 1.600 | 2 | TCMT 16 T3 08 |
| 89.00 | 116.00 | 16 | C6 | 3 | 1 | **BR20-116TC16F-C6** | 63.00 | 13.50 | | 90.00 | | 70 | 2.100 | 2 | TCMT 16 T3 08 |
| 115.00 | 150.00 | 16 | C8 | 3 | 1 | **BR20-150TC16F-C8** | 80.00 | 17.50 | | 100.00 | | 70 | 3.650 | 2 | TCMT 16 T3 08 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

Para todas las DSGN 2; LU = DC*ULDR

L2 M1 N23 N15 K85

SPA

# Herramienta gemela de mandrinado en desbaste CoroBore® BR20

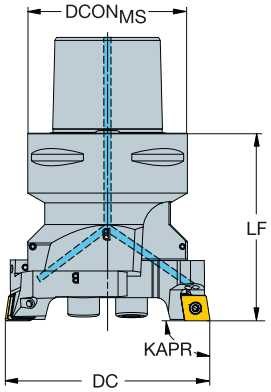
**Coromant Capto® - Suministro de refrigerante interior**

KAPR 90°





CNMU




| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | LF | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70.00 | 90.00 | 12 | C6 | 3 | **BR20-90CN12F-C6** | 63.00 | 10.00 | 78.00 | 70 | 2.200 | 2 | CNMU 12 04 12 |
| 89.00 | 116.00 | 12 | C8 | 3 | **BR20-116CN12F-C8** | 80.00 | 13.50 | 94.00 | 70 | 2.900 | 2 | CNMU 12 04 12 |
| 115.00 | 150.00 | 12 | C8 | 3 | **BR20-150CN12F-C8** | 80.00 | 17.50 | 100.00 | 70 | 3.690 | 2 | CNMU 12 04 12 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

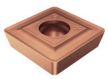
L2 M1 N23 N15 K85

# Herramienta gemela de mandrinado en desbaste CoroBore® BR20

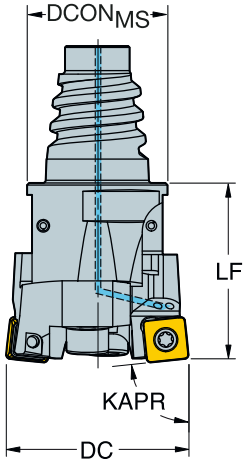
**Coromant EH - Suministro de refrigerante interior**

KAPR 84°








| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | LF | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23.00 | 29.00 | 06 | E20 | 1 | **BR20-29SP06Y-EH20** | 19.30 | 3.00 | 25.00 | 70 | 0.070 | 2 | SPMT 0606-BM |
| 28.00 | 36.00 | 06 | E25 | 1 | **BR20-36SP06Y-EH25** | 24.20 | 4.00 | 25.00 | 70 | 0.110 | 2 | SPMT 0606-BM |

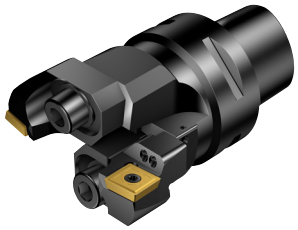
Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

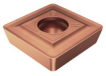
K32 L2 M1 N23 N15 K85

SPA

# Herramienta gemela de mandrinado en desbaste CoroBore® BR20

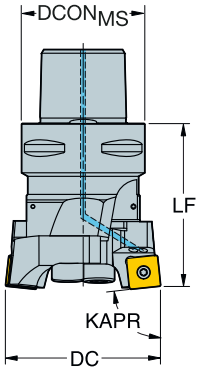
**Coromant Capto® - Suministro de refrigerante interior**

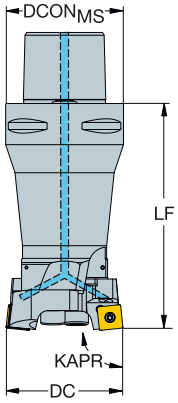




SPMT

| | | |
|---|---|---|
| KAPR | 84° | 84° |
| DSGN | 1 | 2 |




| | | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | ↔ | $CZC_{MS}$ | CNSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $ADJLX_{RDL}$ | ULDR | LF | $BD_1$ | BAR | KG | CICT | MIID |
| 23.00 | 29.00 | 06 | C3 | 3 | 2 | **BR20-29SP06Y-C3** | 32.00 | 3.00 | 2.00 | 76.00 | 20.00 | 70 | 0.260 | 2 | SPMT 0606-BM |
| 28.00 | 36.00 | 06 | C3 | 3 | 2 | **BR20-36SP06Y-C3** | 32.00 | 4.00 | 2.00 | 83.00 | 24.00 | 70 | 0.360 | 2 | SPMT 0606-BM |
| 35.00 | 45.00 | 08 | C3 | 3 | 1 | **BR20-45SP08Y-C3** | 32.00 | 5.00 | | 48.00 | | 70 | 0.270 | 2 | SPMT 0808-BM |
| 35.00 | 45.00 | 08 | C4 | 3 | 2 | **BR20-45SP08Y-C4** | 40.00 | 5.00 | 1.50 | 83.00 | 30.00 | 70 | 0.560 | 2 | SPMT 0808-BM |
| 44.00 | 56.00 | 08 | C4 | 3 | 1 | **BR20-56SP08Y-C4** | 40.00 | 6.00 | | 56.00 | | 70 | 0.480 | 2 | SPMT 0808-BM |
| 44.00 | 56.00 | 08 | C5 | 3 | 2 | **BR20-56SP08Y-C5** | 50.00 | 6.00 | 1.50 | 98.00 | 39.00 | 70 | 1.030 | 2 | SPMT 0808-BM |
| 55.00 | 71.00 | 12 | C5 | 3 | 1 | **BR20-71SP12Y-C5** | 50.00 | 8.00 | | 66.00 | | 70 | 0.860 | 2 | SPMT 1210-BM |
| 55.00 | 71.00 | 12 | C6 | 3 | 2 | **BR20-71SP12Y-C6** | 63.00 | 8.00 | 1.50 | 120.00 | 50.00 | 70 | 1.940 | 2 | SPMT 1210-BM |
| 70.00 | 90.00 | 12 | C5 | 3 | 1 | **BR20-90SP12Y-C5** | 50.00 | 10.00 | | 70.00 | | 70 | 1.230 | 2 | SPMT 1210-BM |
| 70.00 | 90.00 | 12 | C6 | 3 | 1 | **BR20-90SP12Y-C6** | 63.00 | 10.00 | | 78.00 | | 70 | 1.580 | 2 | SPMT 1210-BM |
| 89.00 | 116.00 | 12 | C6 | 3 | 1 | **BR20-116SP12Y-C6** | 63.00 | 13.50 | | 90.00 | | 70 | 2.080 | 2 | SPMT 1210-BM |
| 89.00 | 116.00 | 12 | C8 | 3 | 1 | **BR20-116SP12Y-C8** | 80.00 | 13.50 | | 94.00 | | 70 | 2.990 | 2 | SPMT 1210-BM |
| 115.00 | 150.00 | 12 | C6 | 3 | 1 | **BR20-150SP12Y-C6** | 63.00 | 17.50 | | 90.00 | | 70 | 2.380 | 2 | SPMT 1210-BM |
| 115.00 | 150.00 | 12 | C8 | 3 | 1 | **BR20-150SP12Y-C8** | 80.00 | 17.50 | | 100.00 | | 70 | 3.630 | 2 | SPMT 1210-BM |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para todas las DSGN 2; LU = DC*ULDR



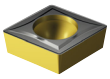
K32 L2 M1 N23 N15 K85

# Herramienta gemela antivibratoria de mandrinado en desbaste CoroBore® BR20

**Coromant Capto® - Suministro de refrigerante interior**

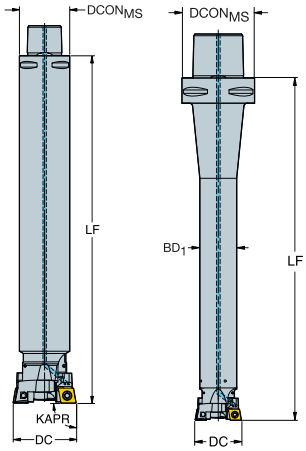


SilentTools®



CCMT, CCGT
CCGX, CCET
CCMW

| | | |
|---|---|---|
| KAPR | 90° | 90° |
| DSGN | 1 | 2 |




| DCN | DCX | | CZC$_{MS}$ | CNSC | DSGN | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | ULDR | LF | BD$_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23.00 | 29.00 | 06 | C4 | 3 | 2 | BR20D-29CC06F-C4L | 40.00 | 3.00 | 6.00 | 199.00 | 20.00 | 70 | 0.740 | 2 | CCMT 06 02 04 |
| 28.00 | 36.00 | 06 | C3 | 3 | 2 | BR20D-36CC06F-C3L | 32.00 | 4.00 | 6.00 | 216.00 | 25.00 | 70 | 1.030 | 2 | CCMT 06 02 04 |
| 35.00 | 45.00 | 09 | C3 | 3 | 1 | BR20D-45CC09F-C3L | 32.00 | 5.00 | | 221.00 | | 70 | 1.540 | 2 | CCMT 09 T3 08 |
| 35.00 | 45.00 | 09 | C4 | 3 | 2 | BR20D-45CC09F-C4L | 40.00 | 5.00 | 6.00 | 270.00 | 32.00 | 70 | 1.980 | 2 | CCMT 09 T3 08 |
| 35.00 | 45.00 | 09 | C6 | 3 | 2 | BR20D-45CC09F-C6L | 63.00 | 5.00 | 6.00 | 297.00 | 32.00 | 70 | 2.620 | 2 | CCMT 09 T3 08 |
| 44.00 | 56.00 | 09 | C4 | 3 | 1 | BR20D-56CC09F-C4L | 40.00 | 6.00 | | 220.00 | | 70 | 2.380 | 2 | CCMT 09 T3 08 |
| 44.00 | 56.00 | 09 | C5 | 3 | 2 | BR20D-56CC09F-C5L | 50.00 | 6.00 | 6.00 | 336.00 | 40.00 | 70 | 3.720 | 2 | CCMT 09 T3 08 |
| 44.00 | 56.00 | 09 | C6 | 3 | 2 | BR20D-56CC09F-C6L | 63.00 | 6.00 | 6.00 | 363.00 | 40.00 | 70 | 4.350 | 2 | CCMT 09 T3 08 |
| 55.00 | 71.00 | 12 | C5 | 3 | 1 | BR20D-71CC12F-C5M | 50.00 | 8.00 | | 300.00 | | 70 | 5.080 | 2 | CCMT 12 04 08 |
| 55.00 | 71.00 | 12 | C6 | 3 | 2 | BR20D-71CC12F-C6M | 63.00 | 8.00 | 5.60 | 400.00 | 50.00 | 70 | 6.940 | 2 | CCMT 12 04 08 |
| 70.00 | 90.00 | 12 | C6 | 3 | 1 | BR20D-90CC12F-C6M | 63.00 | 10.00 | | 400.00 | | 70 | 9.910 | 2 | CCMT 12 04 08 |
| 70.00 | 90.00 | 12 | C8 | 3 | 2 | BR20D-90CC12F-C8M | 80.00 | 10.00 | 5.60 | 500.00 | 63.00 | 70 | 12.660 | 2 | CCMT 12 04 08 |
| 89.00 | 116.00 | 12 | C8 | 3 | 1 | BR20D-116CC12F-C8M | 80.00 | 13.50 | | 500.00 | | 70 | 18.490 | 2 | CCMT 12 04 08 |
| 89.00 | 116.00 | 12 | C8 | 3 | 1 | BR20D-116CC12F-C8S | 80.00 | 13.50 | | 410.00 | | 70 | 16.140 | 2 | CCMT 12 04 08 |
| 115.00 | 150.00 | 12 | C8 | 3 | 1 | BR20D-150CC12F-C8M | 80.00 | 17.50 | | 500.00 | | 70 | 18.620 | 2 | CCMT 12 04 08 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado
Para todas las DSGN 2; LU = DC*ULDR

L2 M1 N23 N15 K85

# Herramienta gemela antivibratoria de mandrinado en desbaste CoroBore® BR20

**Coromant Capto® - Suministro de refrigerante interior**

| | | |
|---|---|---|
| KAPR | 90° | 90° |
| DSGN | 1 | 2 |

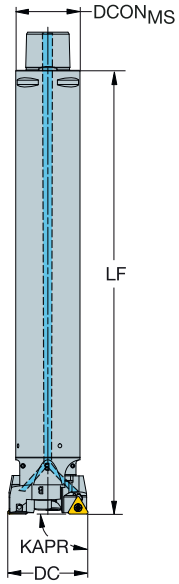
SilentTools®

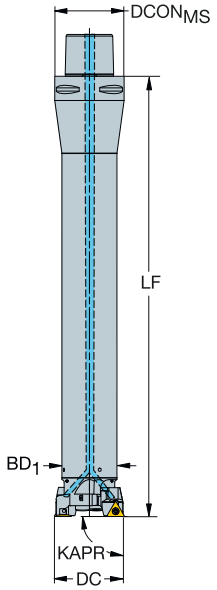




TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW




| | | | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | ↔ | $CZC_{MS}$ | CNSC | DSGN | Código de pedido | $DCON_{MS}$ | $ADJLX_{RDL}$ | ULDR | LF | $BD_1$ | BAR | KG | CICT | MIID |
| 28.00 | 36.00 | 09 | C3 | 3 | 2 | BR20D-36TC09F-C3L | 32.00 | 4.00 | 6.00 | 216.00 | 25.00 | 70 | 1.718 | 2 | TCMT 09 02 04 |
| 35.00 | 45.00 | 11 | C3 | 3 | 1 | BR20D-45TC11F-C3L | 32.00 | 5.00 | | 221.00 | | 70 | 2.330 | 2 | TCMT 11 03 04 |
| 35.00 | 45.00 | 11 | C4 | 3 | 2 | BR20D-45TC11F-C4L | 40.00 | 5.00 | 6.00 | 270.00 | 32.00 | 70 | 1.980 | 2 | TCMT 11 03 04 |
| 44.00 | 56.00 | 11 | C4 | 3 | 1 | BR20D-56TC11F-C4L | 40.00 | 6.00 | | 220.00 | | 70 | 2.400 | 2 | TCMT 11 03 04 |
| 44.00 | 56.00 | 11 | C5 | 3 | 2 | BR20D-56TC11F-C5L | 50.00 | 6.00 | 6.00 | 336.00 | 40.00 | 70 | 5.740 | 2 | TCMT 11 03 04 |
| 55.00 | 71.00 | 16 | C5 | 3 | 1 | BR20D-71TC16F-C5M | 50.00 | 8.00 | | 300.00 | | 70 | 5.080 | 2 | TCMT 16 T3 08 |
| 70.00 | 90.00 | 16 | C6 | 3 | 1 | BR20D-90TC16F-C6M | 63.00 | 10.00 | | 400.00 | | 70 | 9.930 | 2 | TCMT 16 T3 08 |
| 89.00 | 116.00 | 16 | C8 | 3 | 1 | BR20D-116TC16F-C8M | 80.00 | 13.50 | | 500.00 | | 70 | 22.085 | 2 | TCMT 16 T3 08 |
| 89.00 | 116.00 | 16 | C8 | 3 | 1 | BR20D-116TC16F-C8S | 80.00 | 13.50 | | 410.00 | | 70 | 16.160 | 2 | TCMT 16 T3 08 |
| 115.00 | 150.00 | 16 | C8 | 3 | 1 | BR20D-150TC16F-C8M | 80.00 | 17.50 | | 500.00 | | 70 | 23.200 | 2 | TCMT 16 T3 08 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

Para todas las DSGN 2; LU = DC*ULDR

L2 M1 N23 N15 K85

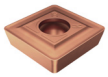
# Herramienta gemela antivibratoria de mandrinado en desbaste CoroBore® BR20

**Coromant Capto® - Suministro de refrigerante interior**

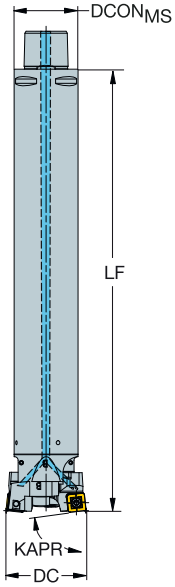
| | | |
|---|---|---|
| KAPR | 84° | 84° |
| DSGN | 1 | 2 |

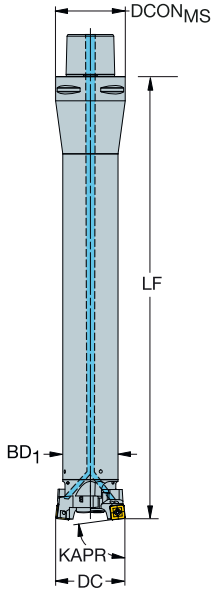
SilentTools®





SPMT




| DCN | DCX | | CZC$_{MS}$ | CNSC | DSGN | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | ULDR | LF | BD$_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23.00 | 29.00 | 06 | C4 | 3 | 2 | BR20D-29SP06Y-C4L | 40.00 | 3.00 | 6.00 | 199.00 | 20.00 | 70 | 0.740 | 2 | SPMT 0606-BM |
| 28.00 | 36.00 | 06 | C3 | 3 | 2 | BR20D-36SP06Y-C3L | 32.00 | 4.00 | 6.00 | 216.00 | 25.00 | 70 | 1.030 | 2 | SPMT 0606-BM |
| 35.00 | 45.00 | 08 | C3 | 3 | 1 | BR20D-45SP08Y-C3L | 32.00 | 5.00 | | 221.00 | | 70 | 2.330 | 2 | SPMT 0808-BM |
| 35.00 | 45.00 | 08 | C4 | 3 | 2 | BR20D-45SP08Y-C4L | 40.00 | 5.00 | 6.00 | 270.00 | 32.00 | 70 | 4.500 | 2 | SPMT 0808-BM |
| 35.00 | 45.00 | 08 | C6 | 3 | 2 | BR20D-45SP08Y-C6L | 63.00 | 5.00 | 6.00 | 297.00 | 32.00 | 70 | 2.630 | 2 | SPMT 0808-BM |
| 44.00 | 56.00 | 08 | C4 | 3 | 1 | BR20D-56SP08Y-C4L | 40.00 | 6.00 | | 220.00 | | 70 | 5.120 | 2 | SPMT 0808-BM |
| 44.00 | 56.00 | 08 | C5 | 3 | 2 | BR20D-56SP08Y-C5L | 50.00 | 6.00 | 6.00 | 336.00 | 40.00 | 70 | 3.720 | 2 | SPMT 0808-BM |
| 44.00 | 56.00 | 08 | C6 | 3 | 1 | BR20D-56SP08Y-C6L | 63.00 | 6.00 | 6.00 | 363.00 | 40.00 | 70 | 4.350 | 2 | SPMT 0808-BM |
| 55.00 | 71.00 | 12 | C5 | 3 | 1 | BR20D-71SP12Y-C5M | 50.00 | 8.00 | | 300.00 | | 70 | 7.672 | 2 | SPMT 1210-BM |
| 55.00 | 71.00 | 12 | C6 | 3 | 2 | BR20D-71SP12Y-C6M | 63.00 | 8.00 | 5.60 | 400.00 | 50.00 | 70 | 6.940 | 2 | SPMT 1210-BM |
| 70.00 | 90.00 | 12 | C6 | 3 | 1 | BR20D-90SP12Y-C6M | 63.00 | 10.00 | | 400.00 | | 70 | 12.000 | 2 | SPMT 1210-BM |
| 70.00 | 90.00 | 12 | C8 | 3 | 2 | BR20D-90SP12Y-C8M | 80.00 | 10.00 | 5.60 | 500.00 | 63.00 | 70 | 16.183 | 2 | SPMT 1210-BM |
| 89.00 | 116.00 | 12 | C8 | 3 | 1 | BR20D-116SP12Y-C8M | 80.00 | 13.50 | | 500.00 | | 70 | 22.125 | 2 | SPMT 1210-BM |
| 89.00 | 116.00 | 12 | C8 | 3 | 1 | BR20D-116SP12Y-C8S | 80.00 | 13.50 | | 410.00 | | 70 | 16.140 | 2 | SPMT 1210-BM |
| 115.00 | 150.00 | 12 | C8 | 3 | 1 | BR20D-150SP12Y-C8M | 80.00 | 17.50 | | 500.00 | | 70 | 18.620 | 2 | SPMT 1210-BM |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para todas las DSGN 2; LU = DC*ULDR

L2 M1 N23 N15 K85

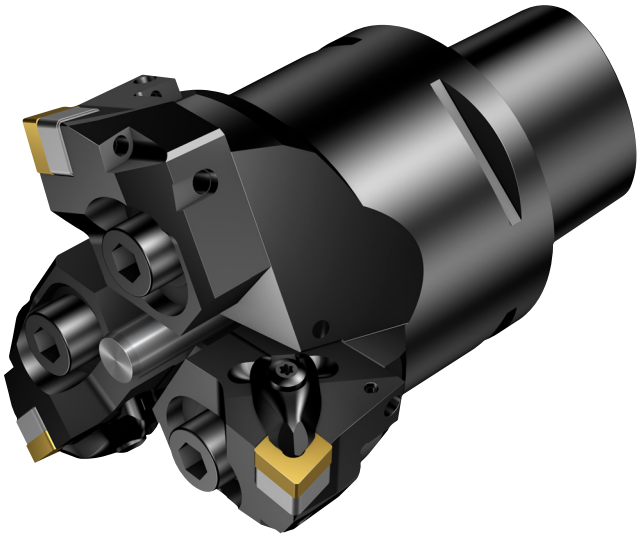
SPA

# CoroBore® BR30

## Herramientas multifilo de mandrinado en desbaste para una máxima productividad

### Aplicación

- Mandrinado en desbaste
- Mandrinado de varios filos
- Mandrinado escalonado
- Mandrinado de un solo filo



### Área de aplicación ISO

P M K N S H

### Ventajas y características

- Herramienta de corte multifilo extremadamente productiva para un máximo volumen de viruta.
- Escala de marcado láser enel adaptador para una mayor facilidad de uso a la hora de reglar el diámetro
- Modularidad con Coromant Capto®
- Refrigerante de alta presión a través del adaptador
- Mandrinado escalonado: disponibilidad de placas de apoyo adicionales; deben pedirse por separado
- Diseño corto, rígido y compacto que proporciona la máxima estabilidad

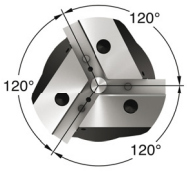
www.sandvik.coromant.com/coroborebr30

### Herramientas

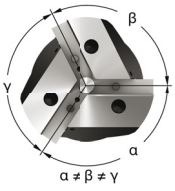
Acoplamientos:
- Coromant Capto®

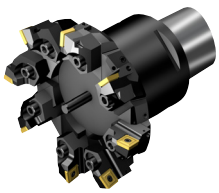
### Plaquitas

Plaquitas estándar con calidades y geometrías específicas para todo tipo de material
- CoroBore® 111
- CoroTurn® 107
- T-max® P




El paso diferencial reduce la tendencia a la vibración; por lo que las herramientas pueden usarse con voladizos y profundidades de corte más grandes.



Desde los 85 hasta los 205 mm de diámetro, CoroBore® BR30 está disponible con hasta 8 filos de corte para garantizar el mayor volumen de viruta posible.



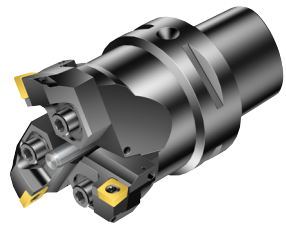
En caso de no disponer de una máquina de pre-reglaje para ajustar el diámetro de CoroBore BR30, mida la distancia del pasador a la plaquita y réstele la mitad del diámetro del pasador. Multiplique esta cifra por dos para obtener el diámetro de mandrinado efectivo.

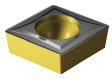


Plaquitas de mandrinado en desbaste CoroBore® 111 específicas. Con una excelente rotura de la viruta y mayor duración.

# Herramienta de mandrinado en desbaste CoroBore® BR30 de tres filos

**Coromant Capto® - Suministro de refrigerante interior**

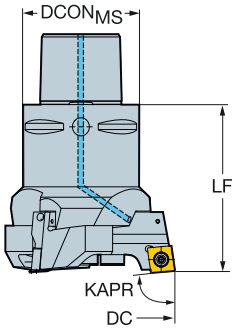


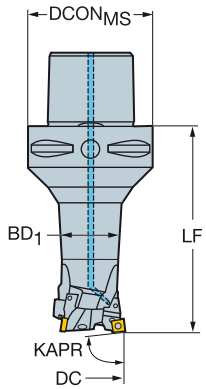


CCMT, CCGT
CCGX, CCET

CCMW

| | | |
|---|---|---|
| KAPR | 90° | 90° |
| DSGN | 1 | 2 |




| | | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | ↔ | $CZC_{MS}$ | CNSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $ADJLX_{RDL}$ | ULDR | LF | $BD_1$ | BAR | KG | CICT | MIID |
| 35.00 | 40.50 | 06 | C3 | 3 | 1 | **BR30-41CC06F-C3** | 32.00 | 2.75 | | 48.00 | | 70 | 0.250 | 3 | CCMT 06 02 04 |
| 35.00 | 40.50 | 06 | C4 | 3 | 2 | **BR30-41CC06F-C4** | 40.00 | 2.75 | 1.50 | 83.00 | 31.50 | 70 | 0.640 | 3 | CCMT 06 02 04 |
| 39.50 | 45.00 | 06 | C3 | 3 | 1 | **BR30-45CC06F-C3** | 32.00 | 2.75 | | 48.00 | | 70 | 0.280 | 3 | CCMT 06 02 04 |
| 39.50 | 45.00 | 06 | C4 | 3 | 2 | **BR30-45CC06F-C4** | 40.00 | 2.75 | 1.50 | 83.00 | 31.50 | 70 | 0.670 | 3 | CCMT 06 02 04 |
| 44.00 | 50.50 | 06 | C4 | 3 | 1 | **BR30-51CC06F-C4** | 40.00 | 3.25 | | 56.00 | | 70 | 0.620 | 3 | CCMT 06 02 04 |
| 44.00 | 50.50 | 06 | C5 | 3 | 2 | **BR30-51CC06F-C5** | 50.00 | 3.25 | 1.50 | 98.00 | 39.60 | 70 | 1.180 | 3 | CCMT 06 02 04 |
| 49.50 | 56.00 | 06 | C4 | 3 | 1 | **BR30-56CC06F-C4** | 40.00 | 3.25 | | 56.00 | | 70 | 0.650 | 3 | CCMT 06 02 04 |
| 49.50 | 56.00 | 09 | C4 | 3 | 1 | **BR30-56CC09F-C4** | 40.00 | 3.25 | | 58.00 | | 70 | 0.641 | 3 | CCMT 09 T3 08 |
| 49.50 | 56.00 | 06 | C5 | 3 | 2 | **BR30-56CC06F-C5** | 50.00 | 3.25 | 1.50 | 98.00 | 39.60 | 70 | 1.210 | 3 | CCMT 06 02 04 |
| 49.50 | 56.00 | 09 | C5 | 3 | 2 | **BR30-56CC09F-C5** | 50.00 | 3.25 | 1.50 | 100.00 | 39.60 | 70 | 1.240 | 3 | CCMT 09 T3 08 |
| 55.00 | 63.00 | 09 | C5 | 3 | 1 | **BR30-63CC09F-C5** | 50.00 | 4.00 | | 66.00 | | 70 | 0.890 | 3 | CCMT 09 T3 08 |
| 55.00 | 63.00 | 09 | C6 | 3 | 2 | **BR30-63CC09F-C6** | 63.00 | 4.00 | 1.50 | 120.00 | 49.50 | 70 | 1.980 | 3 | CCMT 09 T3 08 |
| 62.00 | 70.00 | 09 | C5 | 3 | 1 | **BR30-70CC09F-C5** | 50.00 | 4.00 | | 66.00 | | 70 | 0.920 | 3 | CCMT 09 T3 08 |
| 62.00 | 70.00 | 12 | C5 | 3 | 1 | **BR30-70CC12F-C5** | 50.00 | 4.00 | | 68.00 | | 70 | 0.980 | 3 | CCMT 12 04 08 |
| 62.00 | 70.00 | 09 | C6 | 3 | 2 | **BR30-70CC09F-C6** | 63.00 | 4.00 | 1.50 | 120.00 | 49.50 | 70 | 2.312 | 3 | CCMT 09 T3 08 |
| 62.00 | 70.00 | 12 | C6 | 3 | 2 | **BR30-70CC12F-C6** | 63.00 | 4.00 | 1.50 | 122.00 | 49.50 | 70 | 2.070 | 3 | CCMT 12 04 08 |
| 69.00 | 78.50 | 12 | C5 | 3 | 1 | **BR30-79CC12F-C5** | 50.00 | 4.75 | | 70.00 | | 70 | 1.180 | 3 | CCMT 12 04 08 |
| 69.00 | 78.50 | 12 | C6 | 3 | 1 | **BR30-79CC12F-C6** | 63.00 | 4.75 | | 78.00 | | 70 | 2.130 | 3 | CCMT 12 04 08 |
| 77.50 | 87.00 | 12 | C5 | 3 | 1 | **BR30-87CC12F-C5** | 50.00 | 4.75 | | 70.00 | | 70 | 1.210 | 3 | CCMT 12 04 08 |
| 77.50 | 87.00 | 12 | C6 | 3 | 1 | **BR30-87CC12F-C6** | 63.00 | 4.75 | | 78.00 | | 70 | 1.967 | 3 | CCMT 12 04 08 |
| 86.00 | 97.00 | 12 | C6 | 3 | 1 | **BR30-97CC12F-C6** | 63.00 | 5.50 | | 90.00 | | 70 | 2.280 | 3 | CCMT 12 04 08 |
| 86.00 | 97.00 | 12 | C8 | 3 | 1 | **BR30-97CC12F-C8** | 80.00 | 5.50 | | 94.00 | | 70 | 3.300 | 3 | CCMT 12 04 08 |
| 96.00 | 107.00 | 12 | C6 | 3 | 1 | **BR30-107CC12F-C6** | 63.00 | 5.50 | | 90.00 | | 70 | 2.340 | 3 | CCMT 12 04 08 |
| 96.00 | 107.00 | 12 | C8 | 3 | 1 | **BR30-107CC12F-C8** | 80.00 | 5.50 | | 94.00 | | 70 | 3.360 | 3 | CCMT 12 04 08 |
| 106.00 | 122.00 | 12 | C8 | 3 | 1 | **BR30-122CC12F-C8** | 80.00 | 8.00 | | 100.00 | | 70 | 4.100 | 3 | CCMT 12 04 08 |
| 121.00 | 137.00 | 12 | C8 | 3 | 1 | **BR30-137CC12F-C8** | 80.00 | 8.00 | | 100.00 | | 70 | 4.250 | 3 | CCMT 12 04 08 |
| 136.00 | 152.00 | 12 | C8 | 3 | 1 | **BR30-152CC12F-C8** | 80.00 | 8.00 | | 100.00 | | 70 | 4.760 | 3 | CCMT 12 04 08 |
| 151.00 | 167.00 | 12 | C8 | 3 | 1 | **BR30-167CC12F-C8** | 80.00 | 8.00 | | 100.00 | | 70 | 4.880 | 3 | CCMT 12 04 08 |
| 166.00 | 191.00 | 12 | C8 | 3 | 1 | **BR30-191CC12F-C8** | 80.00 | 12.50 | | 115.00 | | 70 | 6.860 | 3 | CCMT 12 04 08 |
| 189.00 | 214.00 | 12 | C8 | 3 | 1 | **BR30-214CC12F-C8** | 80.00 | 12.50 | | 115.00 | | 70 | 7.130 | 3 | CCMT 12 04 08 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado
Para todas las DSGN 2; LU = DC*ULDR

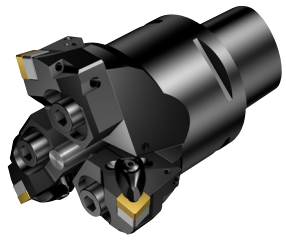
L2 M1 N23 N15 K86

SPA

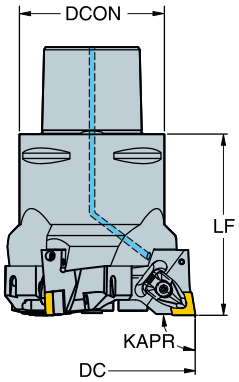
# Herramienta de mandrinado en desbaste CoroBore® BR30 de tres filos

**Coromant Capto® - Suministro de refrigerante interior**

KAPR 90°








CNMM
CNMG
CNMA, CNGA

| DCN | DCX | | $CZC_{MS}$ | CNSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $ADJLX_{RDL}$ | LF | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 106.00 | 122.00 | 12 | C8 | 3 | **BR30-122CN12F-C8** | 80.00 | 8.00 | 100.00 | 70 | 4.190 | 3 | CNMG 12 04 08 |
| 121.00 | 137.00 | 12 | C8 | 3 | **BR30-137CN12F-C8** | 80.00 | 8.00 | 100.00 | 70 | 4.340 | 3 | CNMG 12 04 08 |
| 136.00 | 152.00 | 12 | C8 | 3 | **BR30-152CN12F-C8** | 80.00 | 8.00 | 100.00 | 70 | 4.820 | 3 | CNMG 12 04 08 |
| 151.00 | 167.00 | 12 | C8 | 3 | **BR30-167CN12F-C8** | 80.00 | 8.00 | 100.00 | 70 | 4.970 | 3 | CNMG 12 04 08 |
| 166.00 | 191.00 | 16 | C8 | 3 | **BR30-191CN16F-C8** | 80.00 | 12.50 | 119.00 | 70 | 7.430 | 3 | CNMG 16 06 12 |
| 189.00 | 214.00 | 16 | C8 | 3 | **BR30-214CN16F-C8** | 80.00 | 12.50 | 119.00 | 70 | 22.400 | 3 | CNMG 16 06 12 |

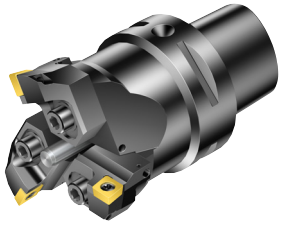
Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

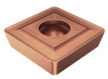
L2 M1 N23 N15 K86

# Herramienta de mandrinado en desbaste CoroBore® BR30 de tres filos

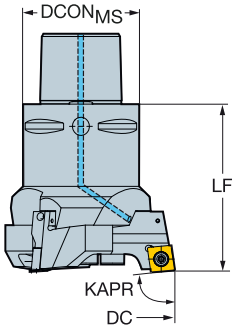
**Coromant Capto® - Suministro de refrigerante interior**

KAPR 84°





SPMT




| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | LF | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35.00 | 40.50 | 06 | C3 | 3 | BR30-41SP06Y-C3 | 32.00 | 2.75 | 48.00 | 70 | 0.250 | 3 | SPMT 0606-BM |
| 39.50 | 45.00 | 06 | C3 | 3 | BR30-45SP06Y-C3 | 32.00 | 2.75 | 48.00 | 70 | 0.280 | 3 | SPMT 0606-BM |
| 44.00 | 50.50 | 06 | C4 | 3 | BR30-51SP06Y-C4 | 40.00 | 3.25 | 56.00 | 70 | 0.620 | 3 | SPMT 0606-BM |
| 49.50 | 56.00 | 08 | C4 | 3 | BR30-56SP08Y-C4 | 40.00 | 3.25 | 58.00 | 70 | 0.640 | 3 | SPMT 0808-BM |
| 55.00 | 63.00 | 08 | C5 | 3 | BR30-63SP08Y-C5 | 50.00 | 4.00 | 66.00 | 70 | 0.890 | 3 | SPMT 0808-BM |
| 62.00 | 70.00 | 12 | C5 | 3 | BR30-70SP12Y-C5 | 50.00 | 4.00 | 68.00 | 70 | 0.980 | 3 | SPMT 1210-BM |
| 69.00 | 78.50 | 12 | C6 | 3 | BR30-79SP12Y-C6 | 63.00 | 4.75 | 78.00 | 70 | 1.922 | 3 | SPMT 1210-BM |
| 77.50 | 87.00 | 12 | C6 | 3 | BR30-87SP12Y-C6 | 63.00 | 4.75 | 78.00 | 70 | 2.190 | 3 | SPMT 1210-BM |
| 86.00 | 97.00 | 12 | C8 | 3 | BR30-97SP12Y-C8 | 80.00 | 5.50 | 94.00 | 70 | 3.300 | 3 | SPMT 1210-BM |
| 96.00 | 107.00 | 12 | C8 | 3 | BR30-107SP12Y-C8 | 80.00 | 5.50 | 94.00 | 70 | 3.360 | 3 | SPMT 1210-BM |
| 106.00 | 122.00 | 12 | C8 | 3 | BR30-122SP12Y-C8 | 80.00 | 8.00 | 100.00 | 70 | 4.100 | 3 | SPMT 1210-BM |
| 121.00 | 137.00 | 12 | C8 | 3 | BR30-137SP12Y-C8 | 80.00 | 8.00 | 100.00 | 70 | 4.250 | 3 | SPMT 1210-BM |
| 136.00 | 152.00 | 12 | C8 | 3 | BR30-152SP12Y-C8 | 80.00 | 8.00 | 100.00 | 70 | 4.760 | 3 | SPMT 1210-BM |
| 151.00 | 167.00 | 12 | C8 | 3 | BR30-167SP12Y-C8 | 80.00 | 8.00 | 100.00 | 70 | 4.880 | 3 | SPMT 1210-BM |
| 166.00 | 191.00 | 12 | C8 | 3 | BR30-191SP12Y-C8 | 80.00 | 12.50 | 115.00 | 70 | 6.860 | 3 | SPMT 1210-BM |
| 189.00 | 214.00 | 12 | C8 | 3 | BR30-214SP12Y-C8 | 80.00 | 12.50 | 115.00 | 70 | 7.130 | 3 | SPMT 1210-BM |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

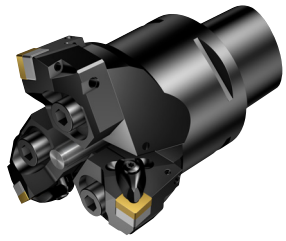
K32 L2 M1 N23 N15 K86

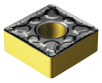
SPA

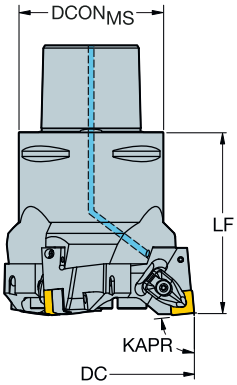
# Herramienta de mandrinado en desbaste CoroBore® BR30 de tres filos

**Coromant Capto® - Suministro de refrigerante interior**

KAPR 84°








SNMM
SNMG
SNMA, SNGA

| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | LF | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 106.00 | 122.00 | 12 | C8 | 3 | **BR30-122SN12Y-C8** | 80.00 | 8.00 | 100.00 | 70 | 4.190 | 3 | SNMG 12 04 08 |
| 121.00 | 137.00 | 12 | C8 | 3 | **BR30-137SN12Y-C8** | 80.00 | 8.00 | 100.00 | 70 | 4.340 | 3 | SNMG 12 04 08 |
| 136.00 | 152.00 | 12 | C8 | 3 | **BR30-152SN12Y-C8** | 80.00 | 8.00 | 100.00 | 70 | 4.820 | 3 | SNMG 12 04 08 |
| 151.00 | 167.00 | 12 | C8 | 3 | **BR30-167SN12Y-C8** | 80.00 | 8.00 | 100.00 | 70 | 4.970 | 3 | SNMG 12 04 08 |
| 166.00 | 191.00 | 15 | C8 | 3 | **BR30-191SN15Y-C8** | 80.00 | 12.50 | 119.00 | 70 | 7.480 | 3 | SNMG 15 06 12 |
| 189.00 | 214.00 | 15 | C8 | 3 | **BR30-214SN15Y-C8** | 80.00 | 12.50 | 119.00 | 70 | 7.790 | 3 | SNMG 15 06 12 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

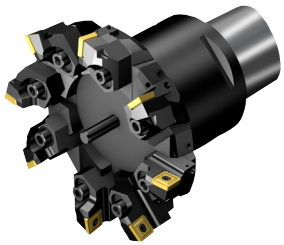
L2 M1 N23 N15 K86

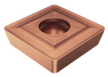
# Herramienta multifilo de mandrinado en desbaste CoroBore® BR30

**Coromant Capto® - Suministro de refrigerante interior**

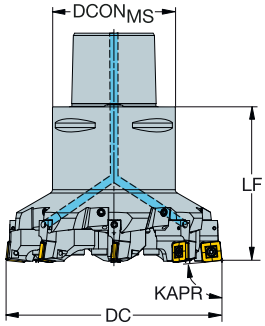
**Específica para operaciones de mandrinado de cavidades**

KAPR 84°





SPMT




| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | LF | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85.00 | 94.50 | 12 | C6 | 3 | BR30-095-4-SP12Y-C6 | 63.00 | 4.75 | 80.00 | 70 | 2.050 | 4 | SPMT 1210-BM |
| 93.50 | 103.00 | 12 | C6 | 3 | BR30-103-4-SP12Y-C6 | 63.00 | 4.75 | 80.00 | 70 | 2.130 | 4 | SPMT 1210-BM |
| 102.00 | 111.50 | 12 | C8 | 3 | BR30-112-6-SP12Y-C8 | 80.00 | 4.75 | 100.00 | 70 | 4.110 | 6 | SPMT 1210-BM |
| 110.50 | 120.00 | 12 | C8 | 3 | BR30-120-6-SP12Y-C8 | 80.00 | 4.75 | 100.00 | 70 | 4.230 | 6 | SPMT 1210-BM |
| 119.00 | 128.50 | 12 | C8 | 3 | BR30-129-8-SP12Y-C8 | 80.00 | 4.75 | 100.00 | 70 | 4.510 | 8 | SPMT 1210-BM |
| 127.50 | 137.00 | 12 | C8 | 3 | BR30-137-8-SP12Y-C8 | 80.00 | 4.75 | 100.00 | 70 | 4.670 | 8 | SPMT 1210-BM |
| 136.00 | 145.50 | 12 | C8 | 3 | BR30-146-8-SP12Y-C8 | 80.00 | 4.75 | 100.00 | 70 | 4.900 | 8 | SPMT 1210-BM |
| 144.50 | 154.00 | 12 | C8 | 3 | BR30-154-8-SP12Y-C8 | 80.00 | 4.75 | 100.00 | 70 | 6.300 | 8 | SPMT 1210-BM |
| 153.00 | 162.50 | 12 | C8 | 3 | BR30-163-6-SP12Y-C8 | 80.00 | 4.75 | 100.00 | 70 | 5.150 | 6 | SPMT 1210-BM |
| 161.50 | 171.00 | 12 | C8 | 3 | BR30-171-6-SP12Y-C8 | 80.00 | 4.75 | 100.00 | 70 | 5.270 | 6 | SPMT 1210-BM |
| 170.00 | 179.50 | 12 | C8 | 3 | BR30-180-6-SP12Y-C8 | 80.00 | 4.75 | 100.00 | 70 | 5.730 | 6 | SPMT 1210-BM |
| 178.50 | 188.00 | 12 | C8 | 3 | BR30-188-6-SP12Y-C8 | 80.00 | 4.75 | 100.00 | 70 | 5.850 | 6 | SPMT 1210-BM |
| 187.00 | 196.50 | 12 | C8 | 3 | BR30-197-6-SP12Y-C8 | 80.00 | 4.75 | 100.00 | 70 | 6.470 | 6 | SPMT 1210-BM |
| 195.50 | 205.00 | 12 | C8 | 3 | BR30-205-6-SP12Y-C8 | 80.00 | 4.75 | 100.00 | 70 | 6.590 | 6 | SPMT 1210-BM |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

K32 L2 M1 N23 N15 K86

SPA

# CoroBore® 820 XL

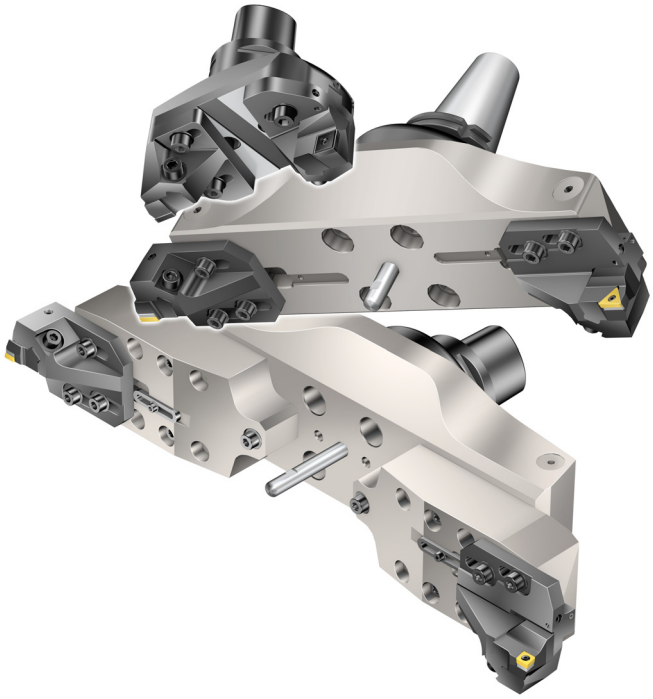
## Herramienta de mandrinado en desbaste para grandes diámetros

### Aplicación

- Mandrinado en desbaste
- Mandrinado de doble filo
- Mandrinado escalonado
- Mandrinado de un solo filo

### Área de aplicación ISO

P M K N S H



### Ventajas y características

- Diseño corto, rígido y compacto que proporciona la máxima estabilidad en mandrinado en desbaste de gran diámetro
- Capacidad de ajuste axial y radial
- Refrigerante a través de la herramienta para una buena evacuación de la viruta
- Base modular robusta para la creación de conjuntos en diferentes aplicaciones (mandrinado en desbaste, mandrinado de precisión, ranurado frontal, spiro grooving y torneado con interpolación)

www.sandvik.coromant.com/corobore820

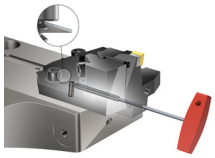
SilentTools®

### Herramientas

Acoplamientos:
- Coromant Capto®
- En eje

### Plaquitas

Plaquitas estándar con calidades y geometrías específicas para todo tipo de material
- CoroBore® 111
- CoroTurn® 107
- T-max® P



Para realizar un ajuste radial sencillo de las correderas, apriete ligeramente los tornillos y ajuste el diámetro con la llave. Los cartuchos pueden ajustarse en dirección axial para las operaciones de mandrinado escalonado.



Utilice el mismo puente/extensión de puente para desbaste, acabado y ranurado frontal a partir de 148 mm de diámetro (es necesario utilizar un contrapeso para acabado).



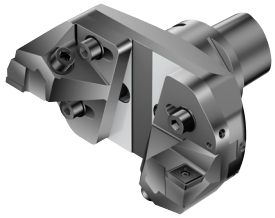
Mandrine diámetros grandes sin aumentar el peso de la herramienta.

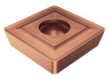


Plaquitas de mandrinado en desbaste CoroBore® 111 específicas. Con una excelente rotura de la viruta y mayor duración.

# Herramienta de mandrinado en desbaste CoroBore® 820 XL

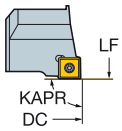
**Coromant Capto® - Suministro de refrigerante interior**



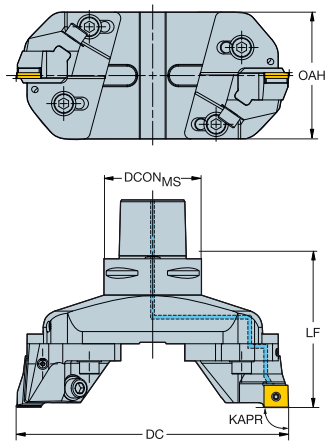


SPMT

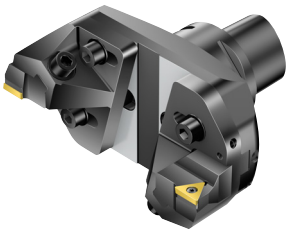
KAPR




90°




| DCN | DCX | | CZCMS | CNSC | Código de pedido | Dimensiones, mm DCONMS | ADJLXAXL | ADJLXRDL | LF | OAH | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 148.00 | 200.00 | 18 | C8 | 3 | 820-200SP18-C8 | 80.00 | 1.50 | 26.00 | 122.00 | 104.00 | 70 | 6.900 | 2 | SPMT 1810-BM |
| 148.00 | 200.00 | 18 | C10 | 3 | 820-200SP18-C10 | 100.00 | 1.50 | 26.00 | 128.00 | 104.00 | 70 | 9.900 | 2 | SPMT 1810-BM |
| 198.00 | 250.00 | 18 | C8 | 3 | 820-250SP18-C8 | 80.00 | 1.50 | 26.00 | 122.00 | 104.00 | 70 | 8.700 | 2 | SPMT 1810-BM |
| 198.00 | 250.00 | 18 | C10 | 3 | 820-250SP18-C10 | 100.00 | 1.50 | 26.00 | 128.00 | 104.00 | 70 | 11.308 | 2 | SPMT 1810-BM |
| 248.00 | 300.00 | 18 | C8 | 3 | 820-300SP18-C8 | 80.00 | 1.50 | 26.00 | 122.00 | 104.00 | 70 | 10.620 | 2 | SPMT 1810-BM |
| 248.00 | 300.00 | 18 | C10 | 3 | 820-300SP18-C10 | 100.00 | 1.50 | 26.00 | 128.00 | 104.00 | 70 | 12.640 | 2 | SPMT 1810-BM |

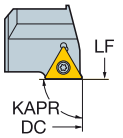




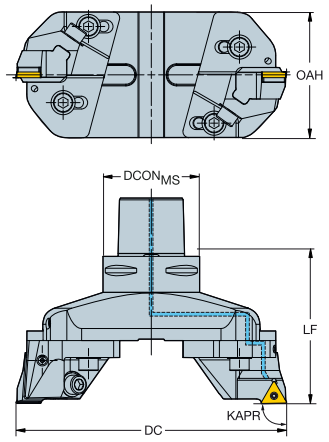
TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

KAPR




90°




| DCN | DCX | | CZCMS | CNSC | Código de pedido | Dimensiones, mm DCONMS | ADJLXAXL | ADJLXRDL | LF | OAH | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 148.00 | 200.00 | 22 | C8 | 3 | 820-200TC22-C8 | 80.00 | 1.50 | 26.00 | 122.00 | 104.00 | 70 | 8.390 | 2 | TCMT 22 04 08 |
| 148.00 | 200.00 | 22 | C10 | 3 | 820-200TC22-C10 | 100.00 | 1.50 | 26.00 | 128.00 | 104.00 | 70 | 10.170 | 2 | TCMT 22 04 08 |
| 198.00 | 250.00 | 22 | C8 | 3 | 820-250TC22-C8 | 80.00 | 1.50 | 26.00 | 122.00 | 104.00 | 70 | 8.800 | 2 | TCMT 22 04 08 |
| 198.00 | 250.00 | 22 | C10 | 3 | 820-250TC22-C10 | 100.00 | 1.50 | 26.00 | 128.00 | 104.00 | 70 | 11.400 | 2 | TCMT 22 04 08 |
| 248.00 | 300.00 | 22 | C8 | 3 | 820-300TC22-C8 | 80.00 | 1.50 | 26.00 | 122.00 | 104.00 | 70 | 10.600 | 2 | TCMT 22 04 08 |
| 248.00 | 300.00 | 22 | C10 | 3 | 820-300TC22-C10 | 100.00 | 1.50 | 26.00 | 128.00 | 104.00 | 70 | 12.660 | 2 | TCMT 22 04 08 |

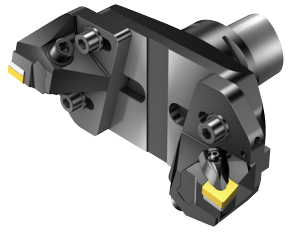
Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

K32 L2 M1 N23 N15 K87

# Herramienta de mandrinado en desbaste CoroBore® 820 XL

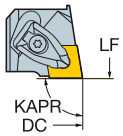
**Coromant Capto® - Suministro de refrigerante interior**



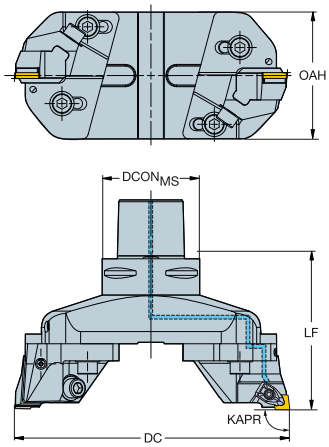


CNMM
CNMG
CNMA, CNGA

KAPR

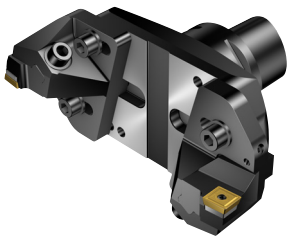


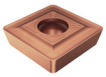

90°




| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{AXL}$ | ADJLX$_{RDL}$ | LF | OAH | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 148.00 | 200.00 | 19 | C8 | 3 | **820-200CN19-C8** | 80.00 | 1.50 | 26.00 | 122.00 | 104.00 | 70 | 8.240 | 2 | CNMG 19 06 12 |
| 148.00 | 200.00 | 19 | C10 | 3 | **820-200CN19-C10** | 100.00 | 1.50 | 26.00 | 128.00 | 104.00 | 70 | 10.100 | 2 | CNMG 19 06 12 |
| 198.00 | 250.00 | 19 | C8 | 3 | **820-250CN19-C8** | 80.00 | 1.50 | 26.00 | 122.00 | 104.00 | 70 | 9.620 | 2 | CNMG 19 06 12 |
| 198.00 | 250.00 | 19 | C10 | 3 | **820-250CN19-C10** | 100.00 | 1.50 | 26.00 | 128.00 | 104.00 | 70 | 11.520 | 2 | CNMG 19 06 12 |
| 248.00 | 300.00 | 19 | C8 | 3 | **820-300CN19-C8** | 80.00 | 1.50 | 26.00 | 122.00 | 104.00 | 70 | 10.000 | 2 | CNMG 19 06 12 |
| 248.00 | 300.00 | 19 | C10 | 3 | **820-300CN19-C10** | 100.00 | 1.50 | 26.00 | 128.00 | 104.00 | 70 | 12.685 | 2 | CNMG 19 06 12 |

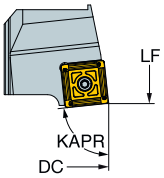
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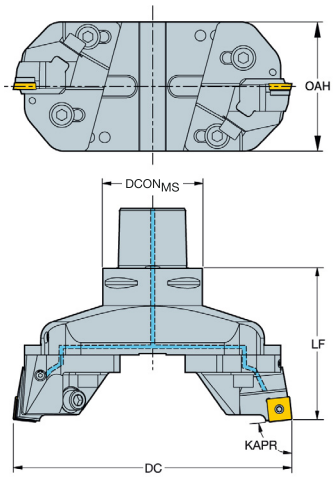


SPMT

KAPR




84°




| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{AXL}$ | ADJLX$_{RDL}$ | LF | OAH | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 148.00 | 200.00 | 18 | C8 | 3 | **820-200SP18Y-C8** | 80.00 | 1.50 | 26.00 | 122.00 | 104.00 | 70 | 7.030 | 2 | SPMT 1810-BM |
| 148.00 | 200.00 | 18 | C10 | 3 | **820-200SP18Y-C10** | 100.00 | 1.50 | 26.00 | 128.00 | 104.00 | 70 | 8.940 | 2 | SPMT 1810-BM |
| 198.00 | 250.00 | 18 | C8 | 3 | **820-250SP18Y-C8** | 80.00 | 1.50 | 26.00 | 122.00 | 104.00 | 70 | 8.260 | 2 | SPMT 1810-BM |
| 198.00 | 250.00 | 18 | C10 | 3 | **820-250SP18Y-C10** | 100.00 | 1.50 | 26.00 | 128.00 | 104.00 | 70 | 10.190 | 2 | SPMT 1810-BM |
| 248.00 | 300.00 | 18 | C8 | 3 | **820-300SP18Y-C8** | 80.00 | 1.50 | 26.00 | 122.00 | 104.00 | 70 | 9.460 | 2 | SPMT 1810-BM |
| 248.00 | 300.00 | 18 | C10 | 3 | **820-300SP18Y-C10** | 100.00 | 1.50 | 26.00 | 128.00 | 104.00 | 70 | 11.510 | 2 | SPMT 1810-BM |

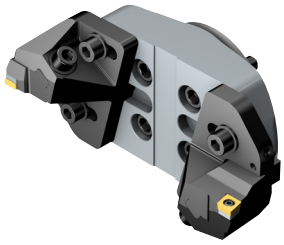
Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

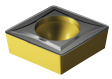
K32 L2 M1 N23 N15 K87

# Herramienta de mandrinado en desbaste CoroBore® 820 XL de peso ligero

**Eje - Suministro de refrigerante interior**

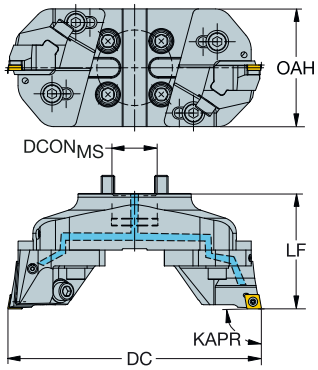
KAPR 90°





CCMT, CCGT
CCGX, CCET

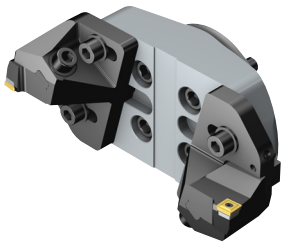
CCMW

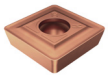



| DCN | DCX | | CZCMS | CNSC | Código de pedido | Dimensiones, mm DCONMS | ADJLXAXL | ADJLXRDL | LF | OAH | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 148.00 | 200.00 | 12 | 40S | 1 | **820L-200CC12F** | 40.00 | 1.50 | 26.00 | 102.00 | 104.00 | 70 | 3.860 | 2 | CCMT 12 04 08 |
| 198.00 | 250.00 | 12 | 40S | 1 | **820L-250CC12F** | 40.00 | 1.50 | 26.00 | 102.00 | 104.00 | 70 | 4.390 | 2 | CCMT 12 04 08 |
| 248.00 | 300.00 | 12 | 40S | 1 | **820L-300CC12F** | 40.00 | 1.50 | 26.00 | 102.00 | 104.00 | 70 | 4.870 | 2 | CCMT 12 04 08 |

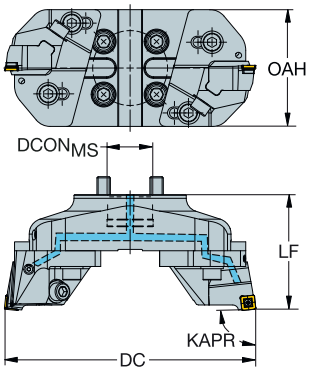
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

KAPR 84°





SPMT




| DCN | DCX | | CZCMS | CNSC | Código de pedido | Dimensiones, mm DCONMS | ADJLXAXL | ADJLXRDL | LF | OAH | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 148.00 | 200.00 | 12 | 40S | 1 | **820L-200SP12Y** | 40.00 | 1.50 | 26.00 | 102.00 | 104.00 | 70 | 3.860 | 2 | SPMT 1210-BM |
| 198.00 | 250.00 | 12 | 40S | 1 | **820L-250SP12Y** | 40.00 | 1.50 | 26.00 | 102.00 | 104.00 | 70 | 4.390 | 2 | SPMT 1210-BM |
| 248.00 | 300.00 | 12 | 40S | 1 | **820L-300SP12Y** | 40.00 | 1.50 | 26.00 | 102.00 | 104.00 | 70 | 4.870 | 2 | SPMT 1210-BM |

Debe utilizarse con portaherramientas de fresas de planeado 40S, por ejemplo C8-391.05-40 060M. Pedir por separado.

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

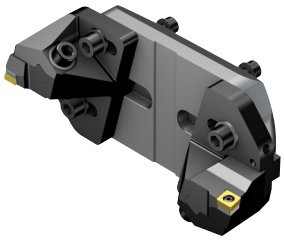
K32 L2 N23 N15 K87

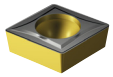
SPA

# Herramienta de mandrinado en desbaste CoroBore® 820 XL

**Eje - Suministro de refrigerante interior**

**Específica para mandrinado con Silent Tools**

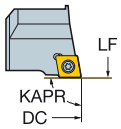




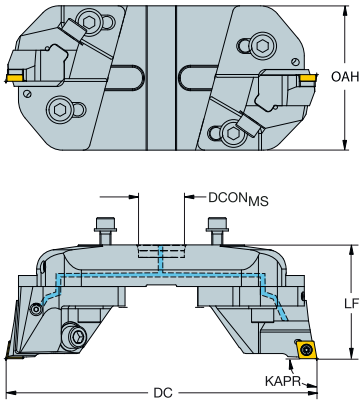
CCMT, CCGT
CCGX, CCET

CCMW

KAPR

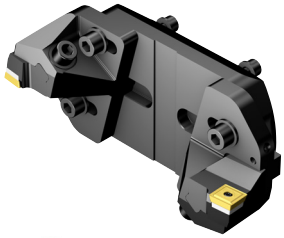


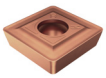

90°




| | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | ↔ | $CZC_{MS}$ | CNSC | Código de pedido | $DCON_{MS}$ | $ADJLX_{AXL}$ | $ADJLX_{RDL}$ | LF | OAH | BAR | KG | CICT | MIID |
| 148.00 | 200.00 | 12 | 33 | 1 | 820D-200CC12 | 33.00 | 1.50 | 26.00 | 82.00 | 104.00 | 70 | 3.350 | 2 | CCMT 12 04 08 |
| 198.00 | 250.00 | 12 | 33 | 1 | 820D-250CC12 | 33.00 | 1.50 | 26.00 | 82.00 | 104.00 | 70 | 3.670 | 2 | CCMT 12 04 08 |
| 248.00 | 300.00 | 12 | 33 | 1 | 820D-300CC12 | 33.00 | 1.50 | 26.00 | 82.00 | 104.00 | 70 | 4.030 | 2 | CCMT 12 04 08 |

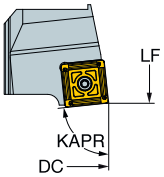
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado



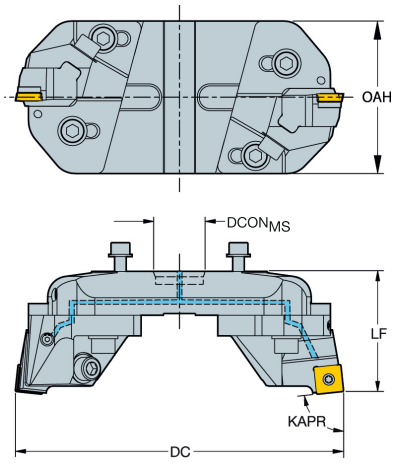


SPMT

KAPR




84°




| | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | ↔ | $CZC_{MS}$ | CNSC | Código de pedido | $DCON_{MS}$ | $ADJLX_{AXL}$ | $ADJLX_{RDL}$ | LF | OAH | BAR | KG | CICT | MIID |
| 148.00 | 200.00 | 12 | 33 | 1 | 820D-200SP12Y | 33.00 | 1.50 | 26.00 | 82.00 | 104.00 | 70 | 3.350 | 2 | SPMT 1210-BM |
| 198.00 | 250.00 | 12 | 33 | 1 | 820D-250SP12Y | 33.00 | 1.50 | 26.00 | 82.00 | 104.00 | 70 | 3.670 | 2 | SPMT 1210-BM |
| 248.00 | 300.00 | 12 | 33 | 1 | 820D-300SP12Y | 33.00 | 1.50 | 26.00 | 82.00 | 104.00 | 70 | 4.030 | 2 | SPMT 1210-BM |

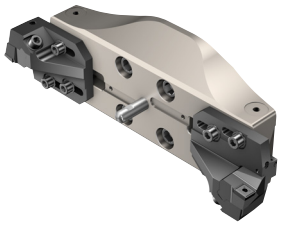
Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

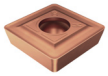
Estos conjuntos de peso ligero han sido específicamente diseñados para usarse con adaptadores de mandrinado antivibratorios. Los adaptadores antivibratorios se compran por separado, consulte la página K77.

K32 N23 N15 K87

# Herramienta de mandrinado en desbaste CoroBore® 820 XL

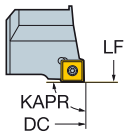
**Eje - Suministro de refrigerante interior**



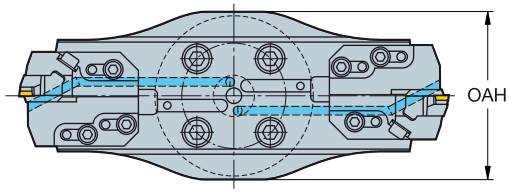


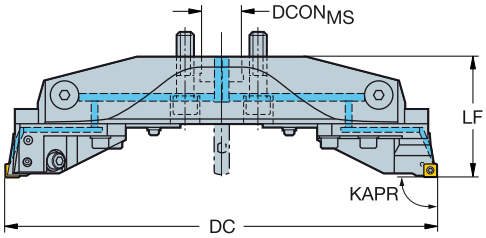
SPMT

KAPR

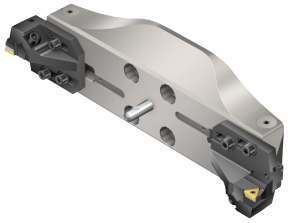



90°




| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{AXL}$ | ADJLX$_{RDL}$ | LF | OAH | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 298.00 | 380.00 | 18 | 40X | 1 | **820-380SP18** | 40.00 | 1.50 | 41.00 | 114.00 | 164.00 | 70 | 10.000 | 2 | SPMT 1810-BM |
| 378.00 | 460.00 | 18 | 40X | 1 | **820-460SP18** | 40.00 | 1.50 | 41.00 | 119.00 | 164.00 | 70 | 13.131 | 2 | SPMT 1810-BM |
| 458.00 | 540.00 | 18 | 40X | 1 | **820-540SP18** | 40.00 | 1.50 | 41.00 | 124.00 | 164.00 | 70 | 16.741 | 2 | SPMT 1810-BM |

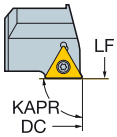




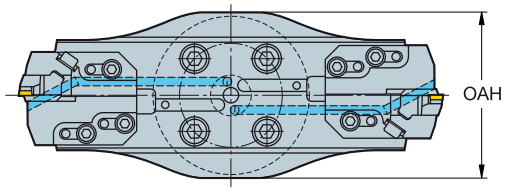
TCMT, TCMX, TCGT, TCGX TCEX

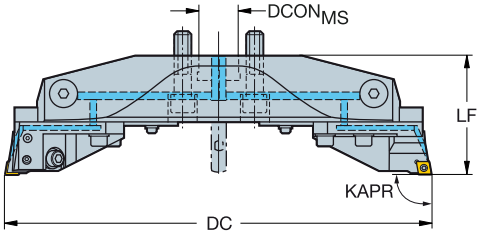
TCMW

KAPR




90°




| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{AXL}$ | ADJLX$_{RDL}$ | LF | OAH | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 298.00 | 380.00 | 22 | 40X | 1 | **820-380TC22** | 40.00 | 1.50 | 41.00 | 114.00 | 164.00 | 70 | 10.980 | 2 | TCMT 22 04 08 |
| 378.00 | 460.00 | 22 | 40X | 1 | **820-460TC22** | 40.00 | 1.50 | 41.00 | 119.00 | 164.00 | 70 | 12.720 | 2 | TCMT 22 04 08 |
| 458.00 | 540.00 | 22 | 40X | 1 | **820-540TC22** | 40.00 | 1.50 | 41.00 | 124.00 | 164.00 | 70 | 16.580 | 2 | TCMT 22 04 08 |

Utilizar solo con portaherramientas 40X CoroBore XL. Deben pedirse por separado. Consulte la página K76.
En caso de tener la brida directamente en el husillo de la máquina, use un dispositivo de centrado. Consulte la página K77

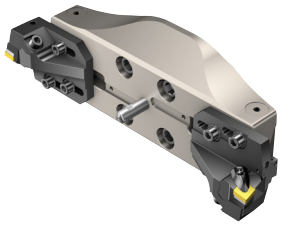
Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

K32 K76 N23 N15 K87

SPA

# Herramienta de mandrinado en desbaste CoroBore® 820 XL

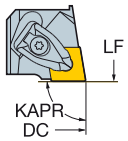
**Eje - Suministro de refrigerante interior**



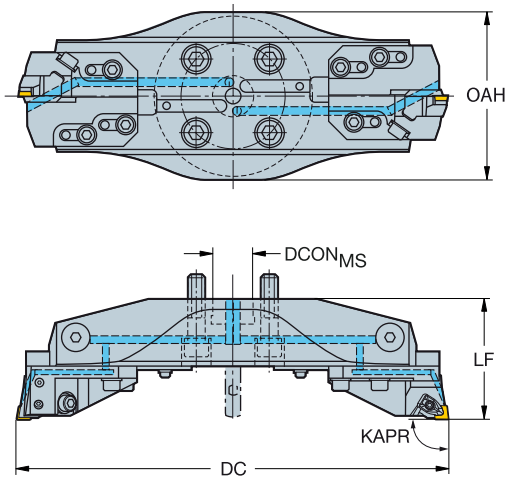


CNMM
CNMG
CNMA, CNGA

KAPR

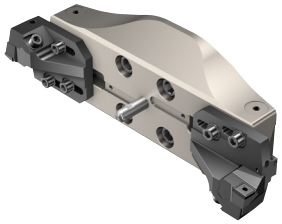


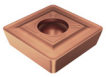

90°




| | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | | $CZC_{MS}$ | CNSC | Código de pedido | $DCON_{MS}$ | $ADJLX_{AXL}$ | $ADJLX_{RDL}$ | LF | OAH | BAR | KG | CICT | MIID |
| 298.00 | 380.00 | 19 | 40X | 1 | 820-380CN19 | 40.00 | 1.50 | 41.00 | 114.00 | 164.00 | 70 | 10.815 | 2 | CNMG 19 06 12 |
| 378.00 | 460.00 | 19 | 40X | 1 | 820-460CN19 | 40.00 | 1.50 | 41.00 | 119.00 | 164.00 | 70 | 12.685 | 2 | CNMG 19 06 12 |
| 458.00 | 540.00 | 19 | 40X | 1 | 820-540CN19 | 40.00 | 1.50 | 41.00 | 124.00 | 164.00 | 70 | 16.780 | 2 | CNMG 19 06 12 |

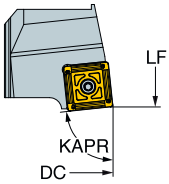
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado



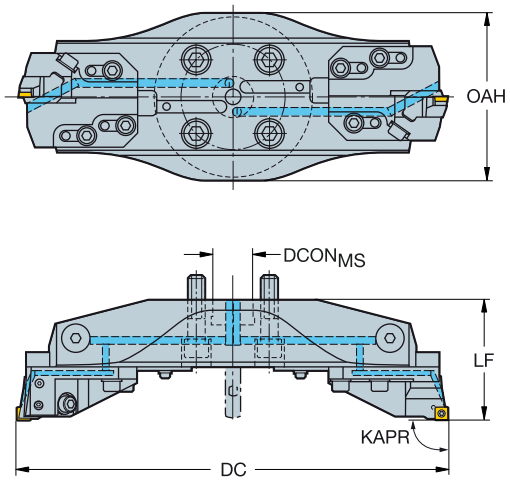


SPMT

KAPR




84°




| | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | | $CZC_{MS}$ | CNSC | Código de pedido | $DCON_{MS}$ | $ADJLX_{AXL}$ | $ADJLX_{RDL}$ | LF | OAH | BAR | KG | CICT | MIID |
| 298.00 | 380.00 | 18 | 40X | 1 | 820-380SP18Y | 40.00 | 1.50 | 41.00 | 114.00 | 164.00 | 70 | 9.050 | 2 | SPMT 1810-BM |
| 378.00 | 460.00 | 18 | 40X | 1 | 820-460SP18Y | 40.00 | 1.50 | 41.00 | 119.00 | 164.00 | 70 | 10.810 | 2 | SPMT 1810-BM |
| 458.00 | 540.00 | 18 | 40X | 1 | 820-540SP18Y | 40.00 | 1.50 | 41.00 | 124.00 | 164.00 | 70 | 12.740 | 2 | SPMT 1810-BM |

Utilizar solo con portaherramientas 40X CoroBore XL. Deben pedirse por separado. Consulte la página K76.
En caso de tener la brida directamente en el husillo de la máquina, use un dispositivo de centrado. Consulte la página K77

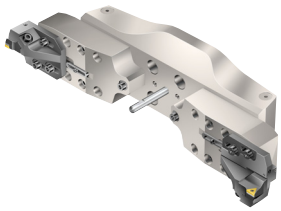
Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

K32 K76 N23 N15 K87

# Herramienta de mandrinado en desbaste CoroBore® 820 XL

**Eje - Suministro de refrigerante interior**

**Con extensión de puente**

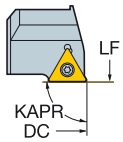




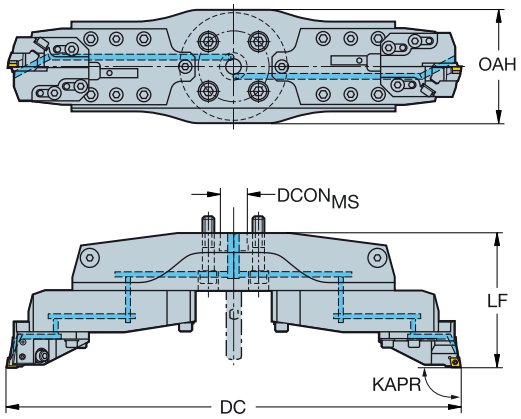
TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

KAPR

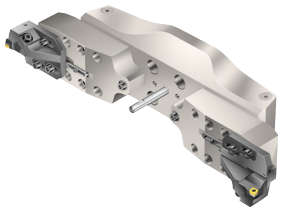


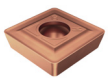

90°




| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{AXL}$ | ADJLX$_{RDL}$ | LF | OAH | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 538.00 | 780.00 | 22 | 40X | 1 | 820-780TC22 | 40.00 | 1.50 | 121.00 | 198.00 | 164.00 | 70 | 28.000 | 2 | TCMT 22 04 08 |
| 778.00 | 1020.00 | 22 | 40X | 1 | 820-1020TC22 | 40.00 | 1.50 | 121.00 | 218.00 | 164.00 | 70 | 48.000 | 2 | TCMT 22 04 08 |
| 1018.00 | 1260.00 | 22 | 40X | 1 | 820-1260TC22 | 40.00 | 1.50 | 121.00 | 218.00 | 164.00 | 70 | 43.730 | 2 | TCMT 22 04 08 |

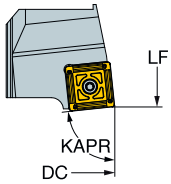
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado



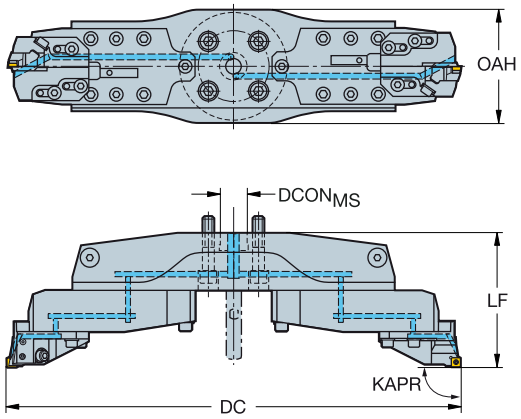


SPMT

KAPR




84°




| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{AXL}$ | ADJLX$_{RDL}$ | LF | OAH | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 538.00 | 780.00 | 18 | 40X | 1 | 820-780SP18Y | 40.00 | 1.50 | 121.00 | 198.00 | 164.00 | 70 | 25.190 | 2 | SPMT 1810-BM |
| 778.00 | 1020.00 | 18 | 40X | 1 | 820-1020SP18Y | 40.00 | 1.50 | 121.00 | 218.00 | 164.00 | 70 | 36.380 | 2 | SPMT 1810-BM |
| 1018.00 | 1260.00 | 18 | 40X | 1 | 820-1260SP18Y | 40.00 | 1.50 | 121.00 | 218.00 | 164.00 | 70 | 43.810 | 2 | SPMT 1810-BM |

Utilizar solo con portaherramientas 40X CoroBore XL. Deben pedirse por separado. Consulte la página K76.

En caso de tener la brida directamente en el husillo de la máquina, use un dispositivo de centrado. Consulte la página K77

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

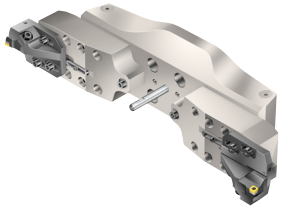
K32 K76 N23 N15 K87

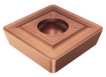
SPA

# Herramienta de mandrinado en desbaste CoroBore® 820 XL

**Eje - Suministro de refrigerante interior**

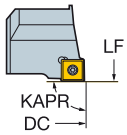
**Con extensión de puente**



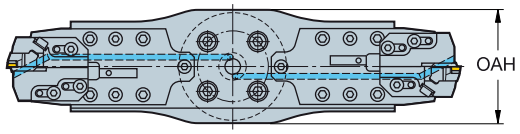


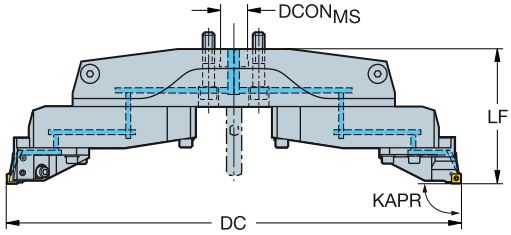
SPMT

KAPR

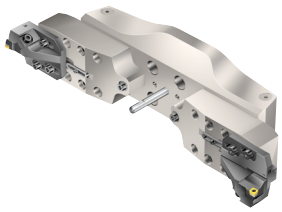



90°



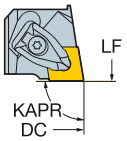

| DCN | DCX | ↔ | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{AXL}$ | ADJLX$_{RDL}$ | LF | OAH | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 538.00 | 780.00 | 18 | 40X | 1 | **820-780SP18** | 40.00 | 1.50 | 121.00 | 198.00 | 164.00 | 70 | 39.000 | 2 | SPMT 1810-BM |
| 778.00 | 1020.00 | 18 | 40X | 1 | **820-1020SP18** | 40.00 | 1.50 | 121.00 | 218.00 | 164.00 | 70 | 36.380 | 2 | SPMT 1810-BM |
| 1018.00 | 1260.00 | 18 | 40X | 1 | **820-1260SP18** | 40.00 | 1.50 | 121.00 | 218.00 | 164.00 | 70 | 43.810 | 2 | SPMT 1810-BM |



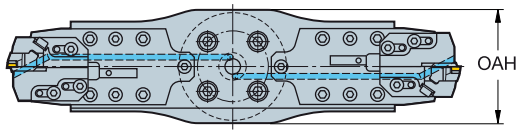


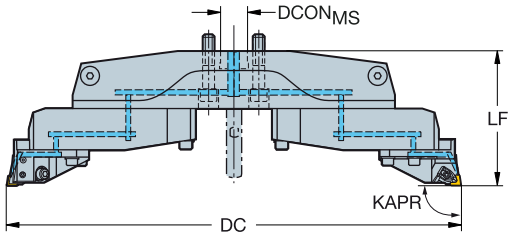
CNMM
CNMG
CNMA, CNGA

KAPR




90°




| DCN | DCX | ↔ | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{AXL}$ | ADJLX$_{RDL}$ | LF | OAH | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 538.00 | 780.00 | 19 | 40X | 1 | **820-780CN19** | 40.00 | 1.50 | 121.00 | 198.00 | 164.00 | 70 | 34.000 | 2 | CNMG 19 06 12 |
| 778.00 | 1020.00 | 19 | 40X | 1 | **820-1020CN19** | 40.00 | 1.50 | 121.00 | 218.00 | 164.00 | 70 | 43.000 | 2 | CNMG 19 06 12 |
| 1018.00 | 1260.00 | 19 | 40X | 1 | **820-1260CN19** | 40.00 | 1.50 | 121.00 | 218.00 | 164.00 | 70 | 43.830 | 2 | CNMG 19 06 12 |

Utilizar solo con portaherramientas 40X CoroBore XL. Deben pedirse por separado. Consulte la página K76.

En caso de tener la brida directamente en el husillo de la máquina, use un dispositivo de centrado. Consulte la página K77

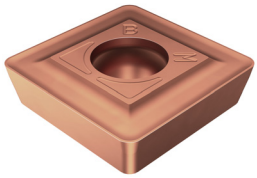
Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

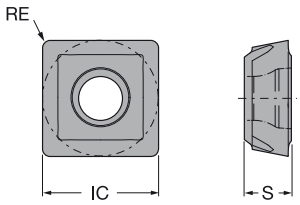
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

K32 K76 N23 N15 K87

# Plaquitas CoroBore® 111 para mandrinado en desbaste

**Plaquita tipo S (Cuadrada)**





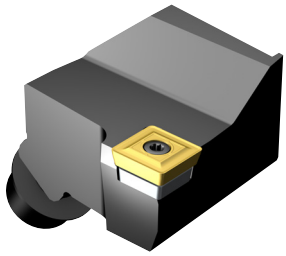

| | | | IC | S | RE | CÓDIGO ISO | P 4325 | M 2025 | K 3210 | S 1145 |
|---|---|---|---|---|---|---|---|---|---|---|
| Medio | BM | 06 | 6.0 | 2.60 | 0.60 | SPMT0606-BM | | ☆ | | ☆ |
| | | 08 | 8.9 | 3.00 | 0.80 | SPMT0808-BM | | ☆ | | ☆ |
| | | 12 | 12.65 | 4.00 | 1.00 | SPMT1210-BM | | ☆ | | ☆ |
| | | 18 | 18.6 | 5.50 | 1.00 | SPMT1810-BM | | ☆ | | ☆ |
| Desbaste | BR | 06 | 6.0 | 2.60 | 0.60 | SPMT0606-BR | ☆ | | ☆ | |
| | | 08 | 8.9 | 3.00 | 0.80 | SPMT0808-BR | ☆ | | ☆ | |
| | | 12 | 12.65 | 4.00 | 1.20 | SPMT1212-BR | ☆ | | ☆ | |
| | | 18 | 18.6 | 5.50 | 1.20 | SPMT1812-BR | ☆ | | ☆ | |

K91 N23

SPA

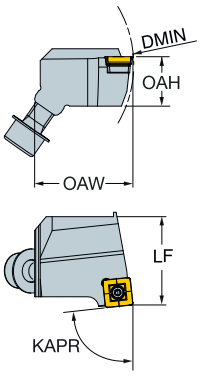
# Cartucho para CoroBore® XL

KAPR 84°



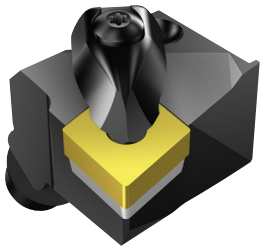


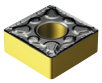
SPMT



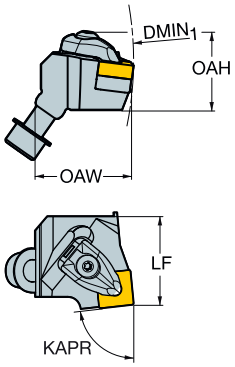

| $DMIN_1$ | | $CZC_{MS}$ | Código de pedido | Dimensiones, mm LF | HF | WF | OAH | OAL | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 148.0 | 12 | S12 | S12-R820XLR40SSYP12 | 40.00 | 22.40 | 42.00 | 30.16 | 43.30 | 0.250 | 1 | SPMT 1210-BM |

KAPR 84°





SNMM
SNMG
SNMA, SNGA

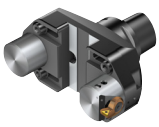
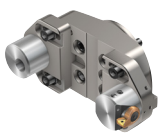
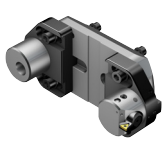



| $DMIN_1$ | | $CZC_{MS}$ | Código de pedido | Dimensiones, mm LF | LPR | HF | WF | OAH | OAL | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 148.0 | 15 | S12 | S12-R820XLR40DSYN15 | 40.00 | 41.80 | 20.00 | 42.00 | 39.70 | 43.80 | 0.310 | 1 | SNMG 15 06 08 |

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

K32 N23 N15

# Mandrinado de precisión

| | Concepto de herramienta | Gama de diámetros, mm | Tolerancia de agujero | Filo de corte | Operación | Elección de plaquitas | Adaptador del lado de la máquina | Página |
|---|---|---|---|---|---|---|---|---|
| **CoroBore® 824**  | Convencional | 1-20 | IT6 | - Barras de metal duro enterizas<br>- Barras de metal duro intercambiables | - Mandrinado de un solo filo | - CoroTurn® 107<br>- CoroTurn® XS | - Coromant Capto®<br>- Coromant EH | K35-K37 |
| **391.37A/B**  | Convencional | 3-36 | IT6 | - Barras de metal duro enterizas<br>- Barras de metal duro intercambiables<br>- Barras de acero intercambiables | - Mandrinado de un solo filo | - CoroTurn® 107<br>- Barras enterizas con geometría rectificada | - Coromant Capto®<br>- HSK | K38-K40 |
| **CoroBore® 826 HP**  | Convencional | 35-154 | IT6 | - Cartuchos intercambiables | - Mandrinado de un solo filo | - CoroTurn® 107 | - Coromant Capto® | K48-K50 |
| **CoroBore® 825**  | Convencional | 19-167 | IT6 | - Cartuchos intercambiables | - Mandrinado de un solo filo<br>- Mandrinado a tracción | - CoroTurn® 107 | - Coromant Capto®<br>- Mango cilíndrico<br>- Coromant EH | K43-K50 |
|  | Peso ligero | 69-167 | IT6 | - Cartuchos intercambiables | - Mandrinado de un solo filo<br>- Mandrinado a tracción | - CoroTurn® 107 | - Coromant Capto® | K51 |
|  | Antivibratorio | 19-167 | IT6 | - Cartuchos intercambiables | - Mandrinado de un solo filo<br>- Mandrinado a tracción | - CoroTurn® 107 | - Coromant Capto® | K52 |
| **CoroBore® 825 XL/CoroBore® 826 XL**  | Convencional | 148-315<br>298-1275 | IT6 | - Cartuchos intercambiables | - Mandrinado de un solo filo Mandrinado a tracción Mandrinado exterior | - CoroTurn® 107 | - Coromant Capto®<br>- 40X con círculo de 4 pernos | K53-K61<br>K62-K65 |
|  | Peso ligero | 148-315 | IT6 | - Cartuchos intercambiables | - Mandrinado de un solo filo<br>- Mandrinado a tracción<br>- Mandrinado exterior | - CoroTurn® 107 | - Coromant Capto®<br>- 40S con círculo de 4 pernos | K56-K59 |
|  | Antivibratorio | 148-315 | IT6 | - Cartuchos intercambiables | - Mandrinado de un solo filo<br>- Mandrinado a tracción<br>- Mandrinado exterior | - CoroTurn® 107 | - Adaptador antivibratorio A33 | K60-K61 |



SANDVIK Coromant

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# CoroBore® 824

## Mandrinado de precisión para diámetros reducidos

### Aplicación

- Mandrinado de precisión
- Mandrinado de un solo filo



### Área de aplicación ISO

P M K N S H

### Ventajas y características

- Amplia gama de diámetros, de 1 a 20 mm
- Mayor accesibilidad gracias a Coromant Capto y a los adaptadores modulares Coromant EH en diámetros pequeños
- Herramienta de mandrinado de precisión con ajute del diámetro de 2 micras (nonio) de precisión para obtener tolerancias IT6 estrechas
- Plaquitas CoroTurn® XS que deben utilizarse a partir de 1 mm de diámetro
- Barras de mandrinar de metal duro con plaquitas intercambiables CoroTurn® 107 estándar a partir de 6 mm de diámetro
- Mejor accesibilidad con cabezas de mandrinado de diámetro reducido, lo que permite mandrinar en zonas a las que cuesta acceder
- Sistema rígido para una máxima estabilidad con suministro interior de refrigerante

www.sandvik.coromant.com/corobore824

### Herramientas

Acoplamientos:
- Coromant Capto®
– Coromant EH

### Plaquitas y herramientas de corte

Plaquitas estándar con calidades y geometrías específicas para todo tipo de materiales.
- CoroTurn® XS
- CoroTurn® 107

| $DCON_{WS}$ | RPMX | ADJRG (mm) |
|---|---|---|
| 4 | 28000 | 1 |
| 6 | 20000 | 1 |
| 8 | 14000 | 1 |
| 10 | 10000 | 1.5 |



- CoroTurn® XS para agujeros de diámetro pequeño. Para ver la gama, consulte el Catálogo de torneado.



Ajusta el diámetro 0.002 mm con una escala de nonio. Un giro de 360° modifica el diámetro 0.5 mm.

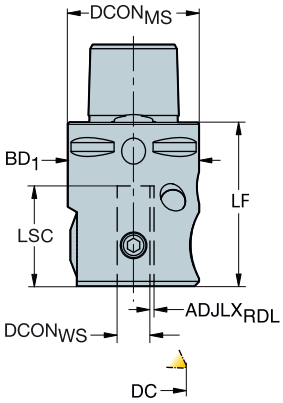
# Coromant Capto® a CoroTurn® XS

**CoroBore® 824 XS**

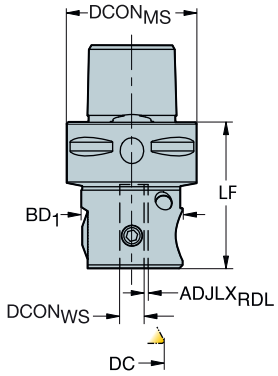
**Suministro de refrigerante interior**



DSGN 1




2



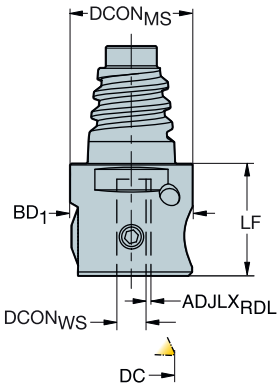

| | | | | | | | Dimensiones, mm | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | $CZC_{MS}$ | $CZC_{WS}$ | CNSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | $ADJLX_{RDL}$ | LF | BAR | KG |
| 1.00 | 6.00 | C3 | 4 | 3 | 2 | **C3-R824XS04-021** | 32.00 | 4.00 | 1.00 | 36.00 | 20 | 0.213 |
| 6.00 | 10.00 | C3 | 6 | 3 | 2 | **C3-R824XS06-016** | 32.00 | 6.00 | 1.00 | 36.00 | 20 | 0.210 |
| 10.00 | 14.00 | C3 | 8 | 3 | 1 | **C3-R824XS08-015** | 32.00 | 8.00 | 1.00 | 40.00 | 20 | 0.269 |
| 14.00 | 20.00 | C4 | 10 | 3 | 1 | **C4-R824XS10-017** | 40.00 | 10.00 | 1.50 | 42.00 | 20 | 0.451 |

# Coromant EH para adaptador CoroTurn® XS

**CoroBore® 824 XS**

**Suministro de refrigerante interior**






| | | | | | | Dimensiones, mm | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | $CZC_{MS}$ | $CZC_{WS}$ | CNSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | $ADJLX_{RDL}$ | LF | BAR | KG |
| 1.00 | 6.00 | E25 | 4 | 1 | **EH25-R824XS04-008** | 24.20 | 4.00 | 1.00 | 23.00 | 20 | 0.174 |
| 6.00 | 10.00 | E25 | 6 | 1 | **EH25-R824XS06-003** | 24.20 | 6.00 | 1.00 | 23.00 | 20 | 0.172 |
| 10.00 | 14.00 | E25 | 8 | 1 | **EH25-R824XS08-013** | 24.20 | 8.00 | 1.00 | 38.00 | 20 | 0.285 |
| 14.00 | 20.00 | E25 | 10 | 1 | **EH25-R824XS10-013** | 24.20 | 10.00 | 1.50 | 38.00 | 20 | 0.368 |

**Nota:**

Debe usarse con la barra de mandrinar CoroTurn® XS

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


L2



N23



N15



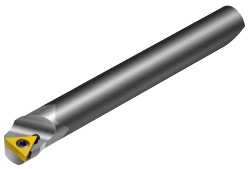
SANDVIK Coromant

SPA

# CoroTurn® XS, barra de mandrinar para mandrinado

**Conexión CXS - Suministro de refrigerante interior**

**Barra de metal duro enteriza intercambiable**

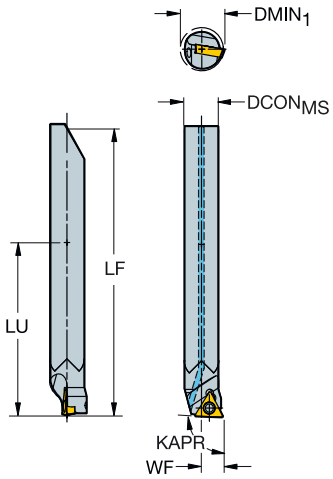




TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

KAPR 92°




| DMIN1 | | CZCMS | CNSC | Código de pedido | Dimensiones, mm DCONMS | LU | LF | WF | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.0 | 05 | 6 | 1 | CXS-06-06 030TC05 | 6.00 | 30.00 | 49.90 | 3.00 | 20 | 0.028 | 1 | TCEX 05 01 00L-F |
| 8.0 | 05 | 6 | 1 | CXS-06-08 030TC05 | 6.00 | 30.00 | 49.90 | 4.00 | 20 | 0.031 | 1 | TCEX 05 01 00L-F |
| 10.0 | 06 | 8 | 1 | CXS-08-10 040TC06 | 8.00 | 40.00 | 64.04 | 5.00 | 20 | 0.050 | 1 | TCMT 06 T1 02 |
| 12.0 | 06 | 8 | 1 | CXS-08-12 040TC06 | 8.00 | 40.00 | 64.04 | 6.00 | 20 | 0.050 | 1 | TCMT 06 T1 02 |
| 14.0 | 09 | 10 | 1 | CXS-10-14 050TC09 | 10.00 | 50.00 | 73.17 | 7.00 | 20 | 0.104 | 1 | TCMT 09 02 02 |
| 17.0 | 09 | 10 | 1 | CXS-10-17 050TC09 | 10.00 | 50.00 | 73.17 | 8.50 | 20 | 0.106 | 1 | TCMT 09 02 02 |

Adaptadores recomendados: CoroBore 824XS

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

K36 N23 N15

# Cabeza de mandrinado de precisión 391.37A/B

## Ranurado frontal y mandrinado de diámetros pequeños

### Aplicación

- Mandrinado de precisión
- Ranurado frontal



### Ventajas y características

- Barras de mandrinar de rendimiento optimizado en función de su relación longitud/diámetro
- Soluciones flexibles para una amplia gama de diámetros (3-36 mm)
- Excelente para ranuras de juntas tóricas pequeñas
- Cabeza de mandrinado de precisión de alta velocidad 391.37B con una velocidad de giro de 20.000 rev/min
- Elija entre la cabeza de mandrinado de precisión convencional (.37A) y la de alta velocidad (.37B):
- Suministro de refrigerante interior
- Ajuste del diámetro: 0.002 mm

### Herramientas

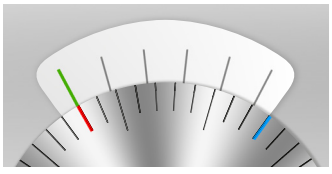
Acoplamientos:
- Coromant Capto®
– Coromant EH

### Plaquitas

Plaquitas estándar con calidades y geometrías específicas para todo tipo de materiales.
- CoroTurn® XS
- CoroTurn® 107
- CoroCut® MB - 09FA

### Cabeza de mandrinado de precisión 391.37A/B

| $DCON_{WS}$ | Velocidad de rotación máx.: RPMX | Gama de diámetros: ADJRG (mm) |
|---|---|---|
| 12 | 7000 | 3 |
| 16 | 5000 | 3 |
| 20 | 3500 | 5 |



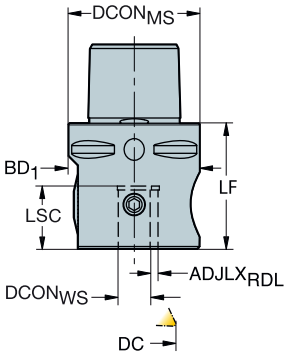
Ajusta el diámetro 0.002 mm con una escala de nonio.
Un giro de 360° modifica el diámetro 0.5 mm.

SPA

# Coromant Capto® a cabeza de mandrinado de precisión, adaptador

**Suministro de refrigerante interior**

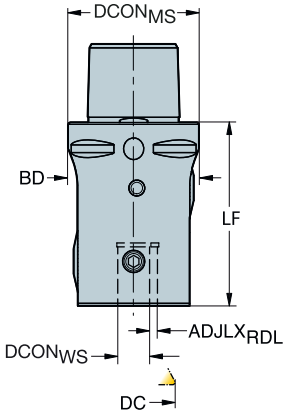





## Adaptador 391.37A

| DCN | DCX | CZC$_{MS}$ | CZC$_{WS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCON$_{WS}$ | ADJLX$_{RDL}$ | LF | BAR | KG |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3.00 | 26.00 | C4 | 12 | 3 | **C4-391.37A-12 055B** | 40.00 | 12.00 | 3.00 | 55.00 | 20 | 0.714 |
| 3.00 | 26.00 | C5 | 12 | 3 | **C5-391.37A-12 048B** | 50.00 | 12.00 | 3.00 | 48.00 | 20 | 0.799 |
| 3.00 | 32.00 | C5 | 16 | 3 | **C5-391.37A-16 070A** | 50.00 | 16.00 | 3.00 | 70.00 | 20 | 1.450 |
| 3.00 | 32.00 | C6 | 16 | 3 | **C6-391.37A-16 075A** | 63.00 | 16.00 | 3.00 | 75.00 | 20 | 1.896 |
| 17.00 | 36.00 | C5 | 20 | 3 | **C5-391.37A-20 085A** | 50.00 | 20.00 | 5.00 | 85.00 | 20 | 1.616 |
| 17.00 | 36.00 | C6 | 20 | 3 | **C6-391.37A-20 085A** | 63.00 | 20.00 | 5.00 | 85.00 | 20 | 2.886 |






## Adaptador 391.37B con contrapeso ajustable

| DCN | DCX | CZC$_{MS}$ | CZC$_{WS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCON$_{WS}$ | ADJLX$_{RDL}$ | LF | BAR | KG |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3.00 | 26.00 | C5 | 12 | 3 | **C5-391.37B-12 070B** | 50.00 | 12.00 | 3.00 | 70.00 | 20 | 1.090 |

Debe utilizarse con barras de mandrinar R429U/R429.90

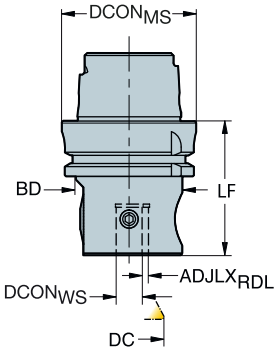
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

L2 M26 N23 N15

# HSK a cabeza de mandrinado de precisión, adaptador

**Suministro de refrigerante interior**

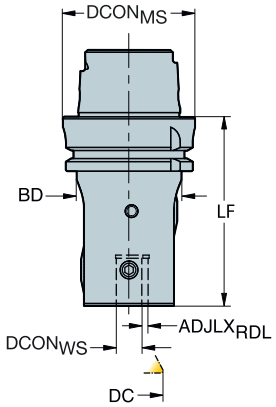





## Adaptador 391.37A

| | | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | $CZC_{MS}$ | $CZC_{WS}$ | CNSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | ISO | $ADJLX_{RDL}$ | LF | $BD_1$ | BAR | KG |
| 3.00 | 26.00 | 63 | 12 | 1 | **392.41037A-6312063B** | 63.00 | 12.00 | A | 3.00 | 63.00 | 50.00 | 20 | 1.181 |
| 3.00 | 26.00 | 100 | 12 | 1 | **392.41037A-10012076B** | 100.00 | 12.00 | A | 3.00 | 76.00 | 50.00 | 20 | 2.700 |
| 3.00 | 32.00 | 63 | 16 | 1 | **392.41037A-6316085A** | 63.00 | 16.00 | A | 3.00 | 85.00 | 63.00 | 20 | 1.770 |
| 17.00 | 36.00 | 63 | 20 | 1 | **392.41037A-63 20 100A** | 63.00 | 20.00 | A | 5.00 | 100.00 | 80.00 | 20 | 2.788 |






## Adaptador 391.37B con contrapeso ajustable

| | | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | $CZC_{MS}$ | $CZC_{WS}$ | CNSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | ISO | $ADJLX_{RDL}$ | LF | $BD_1$ | BAR | KG |
| 3.00 | 26.00 | 63 | 12 | 1 | **392.41037B-6312090B** | 63.00 | 12.00 | A | 3.00 | 90.00 | 50.00 | 20 | 1.502 |

Debe utilizarse con barras de mandrinar R429U/R429.90

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

L2 M26 N23 N15

SPA

# Barra de mandrinar con plaquita intercambiable para cabezas de mandrinado de precisión

**Mango cilíndrico - Suministro de refrigerante interior**

**Barra de acero**

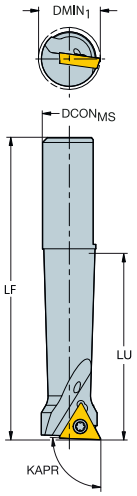




TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

KAPR 92°




| DMIN1 | | CZCMS | CNSC | Código de pedido | Dimensiones, mm DCONMS | LU | LF | WF | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8.0 | 06 | 12 | 1 | R429U-A12-08028TC06 | 12.00 | 28.00 | 54.00 | 4.00 | 20 | 0.036 | 1 | TCMT 06 T1 02 |
| 8.0 | 06 | 12 | 1 | R429U-A12-08040TC06 | 12.00 | 40.00 | 66.00 | 4.00 | 20 | 0.040 | 1 | TCMT 06 T1 02 |
| 11.0 | 06 | 12 | 1 | R429U-A12-11039TC06 | 12.00 | 39.00 | 65.00 | 5.50 | 20 | 0.048 | 1 | TCMT 06 T1 02 |
| 11.0 | 06 | 12 | 1 | R429U-A12-11055TC06 | 12.00 | 55.00 | 81.00 | 5.50 | 20 | 0.053 | 1 | TCMT 06 T1 02 |
| 14.0 | 09 | 12 | 1 | R429U-A12-14042TC09 | 12.00 | 42.00 | 68.00 | 7.00 | 20 | 0.060 | 1 | TCMT 09 02 02 |
| 14.0 | 09 | 12 | 1 | R429U-A12-14060TC09 | 12.00 | 60.00 | 86.00 | 7.00 | 20 | 0.070 | 1 | TCMT 09 02 02 |
| 17.0 | 09 | 12 | 1 | R429U-A12-17042TC09 | 12.00 | 42.00 | 68.00 | 8.50 | 20 | 0.060 | 1 | TCMT 09 02 02 |
| 17.0 | 09 | 12 | 1 | R429U-A12-17060TC09 | 12.00 | 60.00 | 86.00 | 8.50 | 20 | 0.071 | 1 | TCMT 09 02 02 |
| 20.0 | 09 | 12 | 1 | R429U-A12-20042TC09 | 12.00 | 42.00 | 68.00 | 10.00 | 20 | 0.063 | 1 | TCMT 09 02 02 |
| 20.0 | 09 | 12 | 1 | R429U-A12-20060TC09 | 12.00 | 60.00 | 86.00 | 10.00 | 20 | 0.072 | 1 | TCMT 09 02 02 |
| 8.0 | 06 | 16 | 1 | R429U-A16-08028 TC06A | 16.00 | 28.00 | 89.00 | 4.00 | 20 | 0.114 | 1 | TCMT 06 T1 02 |
| 8.0 | 06 | 16 | 1 | R429U-A16-08040TC06 | 16.00 | 40.00 | 101.00 | 4.00 | 20 | 0.103 | 1 | TCMT 06 T1 02 |
| 11.0 | 06 | 16 | 1 | R429U-A16-11039 TC06A | 16.00 | 39.00 | 100.00 | 5.50 | 20 | 0.124 | 1 | TCMT 06 T1 02 |
| 11.0 | 06 | 16 | 1 | R429U-A16-11055TC06 | 16.00 | 55.00 | 116.00 | 5.50 | 20 | 0.120 | 1 | TCMT 06 T1 02 |
| 14.0 | 09 | 16 | 1 | R429U-A16-14049 TC09A | 16.00 | 49.00 | 110.00 | 1.50 | 20 | 0.148 | 1 | TCMT 09 02 02 |
| 14.0 | 09 | 16 | 1 | R429U-A16-14070TC09 | 16.00 | 70.00 | 131.00 | 7.00 | 20 | 0.156 | 1 | TCMT 09 02 02 |
| 17.0 | 09 | 16 | 1 | R429U-A16-17056 TC09A | 16.00 | 56.00 | 117.00 | 8.50 | 20 | 0.165 | 1 | TCMT 09 02 02 |
| 17.0 | 09 | 16 | 1 | R429U-A16-17080TC09 | 16.00 | 80.00 | 141.00 | 8.50 | 20 | 0.193 | 1 | TCMT 09 02 02 |
| 20.0 | 09 | 16 | 1 | R429U-A16-20056 TC09A | 16.00 | 56.00 | 117.00 | 10.00 | 20 | 7.400 | 1 | TCMT 09 02 02 |
| 20.0 | 09 | 16 | 1 | R429U-A16-20080TC09 | 16.00 | 80.00 | 141.00 | 10.00 | 20 | 0.195 | 1 | TCMT 09 02 02 |
| 23.0 | 09 | 16 | 1 | R429U-A16-23056 TC09A | 16.00 | 56.00 | 117.00 | 11.50 | 20 | 0.160 | 1 | TCMT 09 02 02 |
| 23.0 | 09 | 16 | 1 | R429U-A16-23080TC09 | 16.00 | 80.00 | 141.00 | 11.50 | 20 | 0.192 | 1 | TCMT 09 02 02 |
| 26.0 | 09 | 16 | 1 | R429U-A16-26056 TC09A | 16.00 | 56.00 | 117.00 | 13.00 | 20 | 0.160 | 1 | TCMT 09 02 02 |
| 26.0 | 09 | 16 | 1 | R429U-A16-26080TC09 | 16.00 | 80.00 | 141.00 | 13.00 | 20 | 0.194 | 1 | TCMT 09 02 02 |
| 17.0 | 09 | 20 | 1 | R429U-A20-17060 TC09A | 20.00 | 60.00 | 134.00 | 8.50 | 20 | 0.260 | 1 | TCMT 09 02 02 |
| 20.0 | 09 | 20 | 1 | R429U-A20-20070 TC09A | 20.00 | 70.00 | 144.00 | 10.00 | 20 | 0.270 | 1 | TCMT 09 02 02 |
| 23.0 | 09 | 20 | 1 | R429U-A20-23070 TC09A | 20.00 | 70.00 | 144.00 | 11.50 | 20 | 0.290 | 1 | TCMT 09 02 02 |
| 26.0 | 09 | 20 | 1 | R429U-A20-26070 TC09A | 20.00 | 70.00 | 144.00 | 13.00 | 20 | 0.290 | 1 | TCMT 09 02 02 |

Adaptadores recomendados:
A12: 391.37A/B
A16 y A20: 391.37A

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado


K39


M26



N23

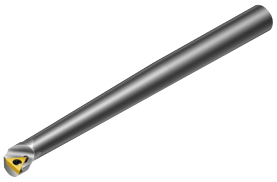


N15

# Barra de mandrinar con plaquita intercambiable para cabezas de mandrinado de precisión

**Mango cilíndrico - Suministro de refrigerante interior**

**Barra de metal duro con cabeza de acero soldado**

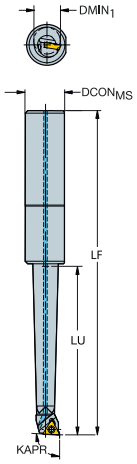




TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

KAPR 92°

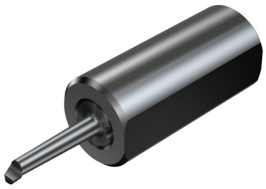


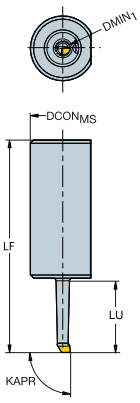

| DMIN1 | | CZCMS | CNSC | Código de pedido | Dimensiones, mm DCONMS | LU | LF | WF | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8.0 | 06 | 16 | 1 | R429U-E16-08048TC06 | 16.00 | 48.00 | 109.00 | 4.00 | 20 | 0.130 | 1 | TCMT 06 T1 02 |
| 11.0 | 06 | 16 | 1 | R429U-E16-11066TC06 | 16.00 | 66.00 | 127.00 | 5.50 | 20 | 0.170 | 1 | TCMT 06 T1 02 |
| 14.0 | 09 | 16 | 1 | R429U-E16-14084TC09 | 16.00 | 84.00 | 145.00 | 7.00 | 20 | 0.275 | 1 | TCMT 09 02 02 |
| 17.0 | 09 | 16 | 1 | R429U-E16-17096TC09 | 16.00 | 96.00 | 157.00 | 8.50 | 20 | 0.391 | 1 | TCMT 09 02 02 |
| 20.0 | 09 | 16 | 1 | R429U-E16-20096TC09 | 16.00 | 96.00 | 157.00 | 10.00 | 20 | 0.394 | 1 | TCMT 09 02 02 |
| 23.0 | 09 | 16 | 1 | R429U-E16-23096TC09 | 16.00 | 96.00 | 157.00 | 11.50 | 20 | 0.395 | 1 | TCMT 09 02 02 |
| 26.0 | 09 | 16 | 1 | R429U-E16-26096TC09 | 16.00 | 96.00 | 157.00 | 13.00 | 20 | 0.395 | 1 | TCMT 09 02 02 |

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

## Barra de mandrinar integral para cabeza de mandrinado de precisión

KAPR 90°






| DMIN1 | CZCMS | CNSC | Código de pedido | P H10F | M H10F | K H10F | N H10F | S H10F | Dimensiones, mm DCONMS | LU | LF | WF | BAR | KG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3.0 | 12 | 1 | R429.90-03-013-01-CB | ★ | ★ | ★ | ★ | ★ | 12.00 | 13.50 | 40.00 | 1.50 | 20 | 0.039 |
| 5.0 | 12 | 1 | R429.90-05-021-02-CB | ★ | ★ | ★ | ★ | ★ | 12.00 | 21.00 | 48.00 | 2.50 | 20 | 0.042 |

| DMIN1 | CZCMS | CNSC | Código de pedido | Dimensiones, mm DCON | LU | LF | WF | BAR | KG |
|---|---|---|---|---|---|---|---|---|---|
| 3.0 | 16 | 1 | R429U-E16-0301501A | 16.00 | 15.00 | 76.00 | 1.50 | 20 | 0.102 |
| 5.0 | 16 | 1 | R429U-E16-0502502A | 16.00 | 25.00 | 86.00 | 2.50 | 20 | 0.100 |

Adaptadores recomendados:
A12: A391.37A/B
A16: A391.37A

K39 M26 N23 N15

SPA

# CoroBore® 825

## Herramienta de mandrinado de gran precisión

### Aplicación

- Mandrinado de precisión convencional
- Mandrinado a tracción

### Área de aplicación ISO

P M K N S H

### Ventajas y características

- Soluciones de conexión flexibles para cualquier acoplamiento de máquina; elija entre Coromant Capto y los adaptadores modulares EH
- Alcance el voladizo necesario, incluso en diámetros reducidos, con el sistema modular EH
- Sistema fiable con adaptadores rígidos entre la cabeza y el cartucho para un mandrinado estable y sin vibraciones
- CoroBore 825 permite ajustar precisa y manualmente el filo con una resolución de 0.01 mm del diámetro
- Tolerancias de agujero IT6 precisas
- Disponible como herramienta antivibratoria para un mandrinado sin vibraciones, incluso en voladizos largos
- Refrigerante a través de la herramienta



www.sandvik.coromant.com/corobore825

### Herramientas

Acoplamientos:
- Coromant Capto®
– Coromant EH
- Mango cilíndrico

### Plaquitas

Plaquitas estándar con calidades y geometrías específicas para todo tipo de materiales
- CoroTurn® 107
- CoroTurn® 111 (no disponible como kit)



Ajusta el diámetro 0.002 mm con una escala de nonio. Un giro de 360° modifica el diámetro 0.5 mm.




Con un amortiguador Silent Tools™ situado más cerca del filo y una cabeza de mandrinado de precisión de aluminio de longitud reducida, puede aumentar el rendimiento y la productividad.



También disponibles como herramientas de peso ligero. Realice operaciones de mandrinado de grandes diámetros con una mayor estabilidad y sin aumentar el peso de la herramienta.

# CoroBore ® 826

## Herramienta de mandrinado de gran precisión

J

### Aplicación

- Mandrinado de gran precisión

### Área de aplicación ISO

P M K N S H

### Ventajas y características

K

- Refrigerante de gran precisión de hasta 70 bares dirigido al filo de corte para un excelente control de virutas
- Refrigerante a través de la herramienta y el cartucho
- Reglaje escalonado mediante clics para una configuración simplificada de la herramienta
- Sistema fiable con adaptadores rígidos entre la cabeza y el cartucho para un mandrinado estable y sin vibraciones
- Tolerancias de agujero estrechas hasta IT6
- La herramienta CoroBore® 826 de gran precisión ajusta el filo con una resolución de 2 micras en el diámetro.



L

www.sandvik.coromant.com/corobore826

### Herramientas

Acoplamientos:
- Coromant Capto®

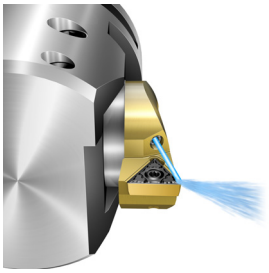
### Plaquitas

Plaquitas estándar con calidades y geometrías específicas para todo tipo de materiales
- CoroTurn® 107

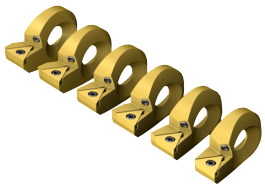
M



Cada clic ajusta el diámetro 0.002 mm. Un giro de 360°, modifica el diámetro 0.1 mm. Modificación total del diámetro en la cabeza de mandrinado de precisión de 1.1-1.3 mm.



Boquilla de refrigerante de gran precisión para un caudal de refrigerante cuidadosamente dirigido al filo



¡Gama de diámetros extendida gracias al uso de kits de cartuchos! Consulte la página K84

N

SPA

# Herramienta de mandrinado de precisión CoroBore® 825

**Coromant Capto® - Suministro de refrigerante interior**

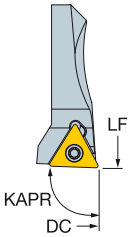


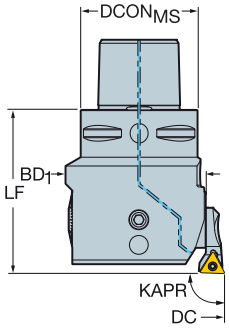


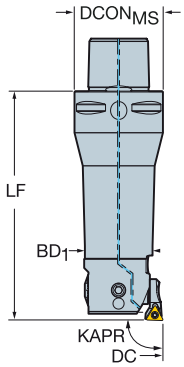
TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

KAPR 92° 92°
DSGN 1 2




| DCN | DCX | ↔ | CZC$_{MS}$ | CNSC | DSGN | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | ULDR | LF | BD$_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19.00 | 23.00 | 06 | C3 | 3 | 2 | **825-23TC06-C3** | 32.00 | 2.00 | 3.00 | 89.00 | 18.00 | 70 | 0.430 | 1 | TCMT 06 T1 02 |
| 23.00 | 29.00 | 06 | C3 | 3 | 2 | **825-29TC06-C3** | 32.00 | 3.00 | 2.00 | 76.00 | 20.00 | 70 | 0.414 | 1 | TCMT 06 T1 02 |
| 23.00 | 29.00 | 06 | C4 | 3 | 2 | **825-29TC06-C4** | 40.00 | 3.00 | 2.00 | 85.00 | 20.00 | 70 | 0.897 | 1 | TCMT 06 T1 02 |
| 28.00 | 36.00 | 06 | C3 | 3 | 2 | **825-36TC06-C3** | 32.00 | 4.00 | 2.00 | 83.00 | 25.00 | 70 | 0.692 | 1 | TCMT 06 T1 02 |
| 28.00 | 36.00 | 06 | C4 | 3 | 2 | **825-36TC06-C4** | 40.00 | 4.00 | 2.00 | 95.00 | 25.00 | 70 | 0.992 | 1 | TCMT 06 T1 02 |
| 35.00 | 45.00 | 09 | C3 | 3 | 1 | **825-45TC09-C3** | 32.00 | 5.00 | | 48.00 | 32.00 | 70 | 0.641 | 1 | TCMT 09 02 04 |
| 35.00 | 45.00 | 09 | C4 | 3 | 2 | **825-45TC09-C4** | 40.00 | 5.00 | 1.50 | 83.00 | 32.00 | 70 | 1.007 | 1 | TCMT 09 02 04 |
| 44.00 | 56.00 | 09 | C4 | 3 | 1 | **825-56TC09-C4** | 40.00 | 6.00 | | 56.00 | 40.00 | 70 | 0.874 | 1 | TCMT 09 02 04 |
| 44.00 | 56.00 | 09 | C5 | 3 | 2 | **825-56TC09-C5** | 50.00 | 6.00 | 1.50 | 98.00 | 40.00 | 70 | 1.600 | 1 | TCMT 09 02 04 |
| 55.00 | 70.00 | 11 | C5 | 3 | 1 | **825-70TC11-C5** | 50.00 | 7.50 | | 66.00 | 50.00 | 70 | 1.430 | 1 | TCMT 11 03 04 |
| 55.00 | 70.00 | 11 | C6 | 3 | 2 | **825-70TC11-C6** | 63.00 | 7.50 | 1.50 | 120.00 | 50.00 | 70 | 2.620 | 1 | TCMT 11 03 04 |
| 69.00 | 87.00 | 11 | C5 | 3 | 1 | **825-87TC11-C5** | 50.00 | 9.00 | | 70.00 | 63.00 | 70 | 1.930 | 1 | TCMT 11 03 04 |
| 69.00 | 87.00 | 11 | C6 | 3 | 1 | **825-87TC11-C6** | 63.00 | 9.00 | | 78.00 | 63.00 | 70 | 2.360 | 1 | TCMT 11 03 04 |
| 86.00 | 107.00 | 11 | C5 | 3 | 1 | **825-107TC11-C5** | 50.00 | 10.50 | | 76.00 | 80.00 | 70 | 2.240 | 1 | TCMT 11 03 04 |
| 86.00 | 107.00 | 11 | C6 | 3 | 1 | **825-107TC11-C6** | 63.00 | 10.50 | | 90.00 | 80.00 | 70 | 3.180 | 1 | TCMT 11 03 04 |
| 106.00 | 137.00 | 11 | C6 | 3 | 1 | **825-137TC11-C6** | 63.00 | 15.50 | | 90.00 | 100.00 | 70 | 3.792 | 1 | TCMT 11 03 04 |
| 106.00 | 137.00 | 11 | C8 | 3 | 1 | **825-137TC11-C8** | 80.00 | 15.50 | | 100.00 | 100.00 | 70 | 5.045 | 1 | TCMT 11 03 04 |
| 136.00 | 167.00 | 11 | C6 | 3 | 1 | **825-167TC11-C6** | 63.00 | 15.50 | | 90.00 | 130.00 | 70 | 4.430 | 1 | TCMT 11 03 04 |
| 136.00 | 167.00 | 11 | C8 | 3 | 1 | **825-167TC11-C8** | 80.00 | 15.50 | | 100.00 | 130.00 | 70 | 5.570 | 1 | TCMT 11 03 04 |

Diámetros válidos para mandrinado frontal.

Para obtener más información sobre mandrinado a tracción, consulte la página K92
Para obtener más información sobre el uso de correderas de extensión, consulte la página K89

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

Para todas las DSGN 2; LU = DC*ULDR

L2 N23 N15 K89

# Herramienta de mandrinado de precisión CoroBore® 825

**Mango cilíndrico - Suministro de refrigerante interior**

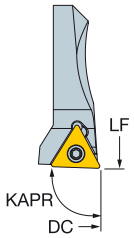




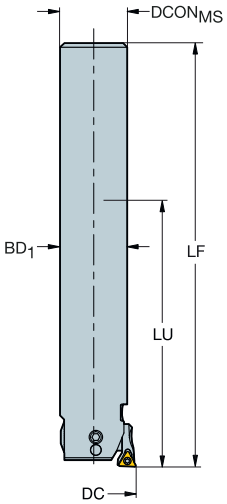
TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

KAPR




92°




| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | LU | LF | BD$_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19.00 | 23.00 | 06 | 18 | 1 | **825-23TC06-A18** | 18.00 | 2.00 | 77.00 | 128.00 | 18.00 | 70 | 0.731 | 1 | TCMT 06 T1 02 |
| 23.00 | 29.00 | 06 | 20 | 1 | **825-29TC06-A20** | 20.00 | 3.00 | 81.00 | 132.00 | 20.00 | 70 | 0.606 | 1 | TCMT 06 T1 02 |
| 28.00 | 36.00 | 06 | 25 | 1 | **825-36TC06-A25** | 25.00 | 4.00 | 101.00 | 158.00 | 25.00 | 70 | 0.951 | 1 | TCMT 06 T1 02 |

Diámetros válidos para mandrinado frontal.

Para obtener más información sobre mandrinado a tracción, consulte la página K92

Para obtener más información sobre el uso de correderas de extensión, consulte la página K89

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

L2 N23 N15 K89

SPA

# Herramienta de mandrinado de precisión CoroBore® 825

**Acoplamiento Coromant EH - Suministro de refrigerante interior**

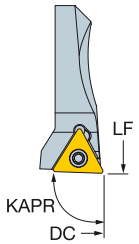




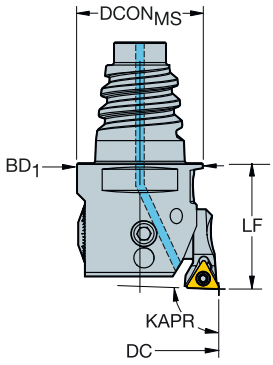
TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

KAPR




92°




| | | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | ↔ | $CZC_{MS}$ | CNSC | **Código de pedido** | $DCON_{MS}$ | $ADJLX_{RDL}$ | LF | $BD_1$ | BAR | KG | CICT | MIID |
| 19.00 | 23.00 | 06 | E16 | 1 | **825-23TC06-EH16** | 15.50 | 2.00 | 25.00 | 18.00 | 70 | 0.500 | 1 | TCMT 06 T1 02 |
| 23.00 | 29.00 | 06 | E20 | 1 | **825-29TC06-EH20** | 19.30 | 3.00 | 25.00 | 20.00 | 70 | 0.600 | 1 | TCMT 06 T1 02 |
| 28.00 | 36.00 | 06 | E25 | 1 | **825-36TC06-EH25** | 24.20 | 4.00 | 25.00 | 25.00 | 70 | 0.687 | 1 | TCMT 06 T1 02 |

Diámetros válidos para mandrinado frontal.

Para obtener más información sobre mandrinado a tracción, consulte la página K92

Para obtener más información sobre el uso de correderas de extensión, consulte la página K89

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

L2 N23 N15 K89

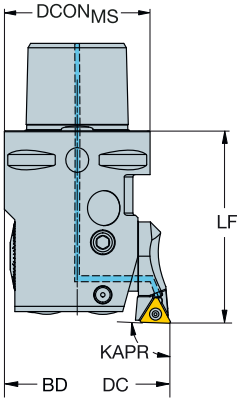
# Herramienta de mandrinado de precisión CoroBore® 826

**Coromant Capto® - Suministro de refrigerante de precisión**

KAPR 92°








TCMT, TCMX, TCGT, TCGX TCEX

TCMW

| DCN | DCX | | $CZC_{MS}$ | CNSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $ADJLX_{RDL}$ | LF | $BD_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35.45 | 36.55 | 09 | C3 | 3 | 826-36TC09-C3HP | 32.00 | 0.55 | 48.00 | 32.00 | 70 | 0.566 | 1 | TCMT 09 02 04 |
| 36.45 | 37.55 | 09 | C3 | 3 | 826-37TC09-C3HP | 32.00 | 0.55 | 48.00 | 32.00 | 70 | 0.565 | 1 | TCMT 09 02 04 |
| 37.45 | 38.55 | 09 | C3 | 3 | 826-38TC09-C3HP | 32.00 | 0.55 | 48.00 | 32.00 | 70 | 0.631 | 1 | TCMT 09 02 04 |
| 38.45 | 39.55 | 09 | C3 | 3 | 826-39TC09-C3HP | 32.00 | 0.55 | 48.00 | 32.00 | 70 | 0.640 | 1 | TCMT 09 02 04 |
| 39.45 | 40.55 | 09 | C3 | 3 | 826-40TC09-C3HP | 32.00 | 0.55 | 48.00 | 32.00 | 70 | 0.647 | 1 | TCMT 09 02 04 |
| 40.45 | 41.55 | 09 | C3 | 3 | 826-41TC09-C3HP | 32.00 | 0.55 | 48.00 | 32.00 | 70 | 0.290 | 1 | TCMT 09 02 04 |
| 41.45 | 42.55 | 09 | C3 | 3 | 826-42TC09-C3HP | 32.00 | 0.55 | 48.00 | 32.00 | 70 | 0.290 | 1 | TCMT 09 02 04 |
| 42.45 | 43.55 | 09 | C3 | 3 | 826-43TC09-C3HP | 32.00 | 0.55 | 48.00 | 32.00 | 70 | 0.290 | 1 | TCMT 09 02 04 |
| 43.45 | 44.55 | 09 | C3 | 3 | 826-44TC09-C3HP | 32.00 | 0.55 | 48.00 | 32.00 | 70 | 0.290 | 1 | TCMT 09 02 04 |
| 44.45 | 45.55 | 09 | C4 | 3 | 826-45TC09-C4HP | 40.00 | 0.55 | 56.00 | 40.00 | 70 | 0.591 | 1 | TCMT 09 02 04 |
| 45.45 | 46.55 | 09 | C4 | 3 | 826-46TC09-C4HP | 40.00 | 0.55 | 56.00 | 40.00 | 70 | 0.570 | 1 | TCMT 09 02 04 |
| 46.45 | 47.55 | 09 | C4 | 3 | 826-47TC09-C4HP | 40.00 | 0.55 | 56.00 | 40.00 | 70 | 1.104 | 1 | TCMT 09 02 04 |
| 47.45 | 48.55 | 09 | C4 | 3 | 826-48TC09-C4HP | 40.00 | 0.55 | 56.00 | 40.00 | 70 | 0.570 | 1 | TCMT 09 02 04 |
| 48.45 | 49.55 | 09 | C4 | 3 | 826-49TC09-C4HP | 40.00 | 0.55 | 56.00 | 40.00 | 70 | 0.570 | 1 | TCMT 09 02 04 |
| 49.45 | 50.55 | 09 | C4 | 3 | 826-50TC09-C4HP | 40.00 | 0.55 | 56.00 | 40.00 | 70 | 0.918 | 1 | TCMT 09 02 04 |
| 50.45 | 51.55 | 09 | C4 | 3 | 826-51TC09-C4HP | 40.00 | 0.55 | 56.00 | 40.00 | 70 | 0.570 | 1 | TCMT 09 02 04 |
| 51.45 | 52.55 | 09 | C4 | 3 | 826-52TC09-C4HP | 40.00 | 0.55 | 56.00 | 40.00 | 70 | 0.940 | 1 | TCMT 09 02 04 |
| 52.45 | 53.55 | 09 | C4 | 3 | 826-53TC09-C4HP | 40.00 | 0.55 | 56.00 | 40.00 | 70 | 0.570 | 1 | TCMT 09 02 04 |
| 53.45 | 54.55 | 09 | C4 | 3 | 826-54TC09-C4HP | 40.00 | 0.55 | 56.00 | 40.00 | 70 | 0.570 | 1 | TCMT 09 02 04 |
| 54.45 | 55.55 | 09 | C4 | 3 | 826-55TC09-C4HP | 40.00 | 0.55 | 56.00 | 40.00 | 70 | 0.570 | 1 | TCMT 09 02 04 |
| 55.35 | 56.65 | 11 | C5 | 3 | 826-56TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.397 | 1 | TCMT 11 03 04 |
| 56.35 | 57.65 | 11 | C5 | 3 | 826-57TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.455 | 1 | TCMT 11 03 04 |
| 57.35 | 58.65 | 11 | C5 | 3 | 826-58TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.414 | 1 | TCMT 11 03 04 |
| 58.35 | 59.65 | 11 | C5 | 3 | 826-59TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.070 | 1 | TCMT 11 03 04 |
| 59.35 | 60.65 | 11 | C5 | 3 | 826-60TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.466 | 1 | TCMT 11 03 04 |
| 60.35 | 61.65 | 11 | C5 | 3 | 826-61TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.070 | 1 | TCMT 11 03 04 |
| 61.35 | 62.65 | 11 | C5 | 3 | 826-62TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.070 | 1 | TCMT 11 03 04 |
| 62.35 | 63.65 | 11 | C5 | 3 | 826-63TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.426 | 1 | TCMT 11 03 04 |
| 63.35 | 64.65 | 11 | C5 | 3 | 826-64TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.503 | 1 | TCMT 11 03 04 |
| 64.35 | 65.65 | 11 | C5 | 3 | 826-65TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.520 | 1 | TCMT 11 03 04 |
| 65.35 | 66.65 | 11 | C5 | 3 | 826-66TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.070 | 1 | TCMT 11 03 04 |
| 66.35 | 67.65 | 11 | C5 | 3 | 826-67TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.070 | 1 | TCMT 11 03 04 |
| 67.35 | 68.65 | 11 | C5 | 3 | 826-68TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.070 | 1 | TCMT 11 03 04 |
| 68.35 | 69.65 | 11 | C5 | 3 | 826-69TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.070 | 1 | TCMT 11 03 04 |
| 69.35 | 70.65 | 11 | C5 | 3 | 826-70TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.455 | 1 | TCMT 11 03 04 |
| 70.35 | 71.65 | 11 | C5 | 3 | 826-71TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.070 | 1 | TCMT 11 03 04 |
| 71.35 | 72.65 | 11 | C5 | 3 | 826-72TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.070 | 1 | TCMT 11 03 04 |
| 72.35 | 73.65 | 11 | C5 | 3 | 826-73TC11-C5HP | 50.00 | 0.65 | 66.00 | 50.00 | 70 | 1.557 | 1 | TCMT 11 03 04 |
| 73.35 | 74.65 | 11 | C6 | 3 | 826-74TC11-C6HP | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |
| 74.35 | 75.65 | 11 | C6 | 3 | 826-75TC11-C6HP | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |
| 75.35 | 76.65 | 11 | C6 | 3 | 826-76TC11-C6HP | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 2.400 | 1 | TCMT 11 03 04 |
| 76.35 | 77.65 | 11 | C6 | 3 | 826-77TC11-C6HP | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |
| 77.35 | 78.65 | 11 | C6 | 3 | 826-78TC11-C6HP | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |
| 78.35 | 79.65 | 11 | C6 | 3 | 826-79TC11-C6HP | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

L2 N23 N15 K89

SPA

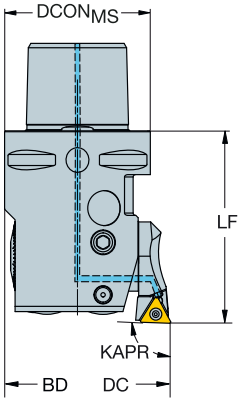
# Herramienta de mandrinado de precisión CoroBore® 826

**Coromant Capto® - Suministro de refrigerante de precisión**

KAPR 92°








TCMT, TCMX, TCGT, TCGX TCEX

TCMW

| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | LF | BD$_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 79.35 | 80.65 | 11 | C6 | 3 | **826-80TC11-C6HP** | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |
| 80.35 | 81.65 | 11 | C6 | 3 | **826-81TC11-C6HP** | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |
| 81.35 | 82.65 | 11 | C6 | 3 | **826-82TC11-C6HP** | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |
| 82.35 | 83.65 | 11 | C6 | 3 | **826-83TC11-C6HP** | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |
| 83.35 | 84.65 | 11 | C6 | 3 | **826-84TC11-C6HP** | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |
| 84.35 | 85.65 | 11 | C6 | 3 | **826-85TC11-C6HP** | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |
| 85.35 | 86.65 | 11 | C6 | 3 | **826-86TC11-C6HP** | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |
| 86.35 | 87.65 | 11 | C6 | 3 | **826-87TC11-C6HP** | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |
| 87.35 | 88.65 | 11 | C6 | 3 | **826-88TC11-C6HP** | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |
| 88.35 | 89.65 | 11 | C6 | 3 | **826-89TC11-C6HP** | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |
| 89.35 | 90.65 | 11 | C6 | 3 | **826-90TC11-C6HP** | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |
| 90.35 | 91.65 | 11 | C6 | 3 | **826-91TC11-C6HP** | 63.00 | 0.65 | 78.00 | 63.00 | 70 | 1.940 | 1 | TCMT 11 03 04 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

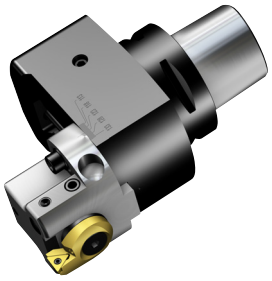
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

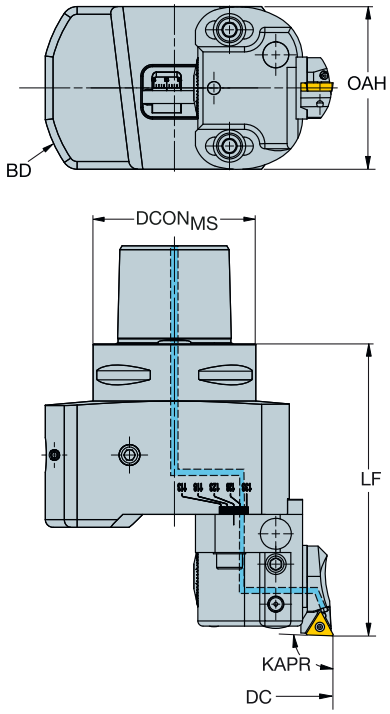
L2 N23 N15 K89

# Herramienta de mandrinado de precisión CoroBore® 826

**Coromant Capto® - Suministro de refrigerante interior**

KAPR 92°








TCMT, TCMX, TCGT, TCGX TCEX

TCMW

| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | LF | OAH | BD$_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91.35 | 112.65 | 11 | C6 | 3 | **826-112TC11-C6HP** | 63.00 | 10.65 | 113.00 | 63.00 | 85.00 | 70 | 3.215 | 1 | TCMT 11 03 04 |
| 112.35 | 133.65 | 11 | C6 | 3 | **826-133TC11-C6HP** | 63.00 | 10.65 | 113.00 | 63.00 | 105.00 | 70 | 3.645 | 1 | TCMT 11 03 04 |
| 133.35 | 154.65 | 11 | C6 | 3 | **826-154TC11-C6HP** | 63.00 | 10.65 | 113.00 | 63.00 | 125.00 | 70 | 3.940 | 1 | TCMT 11 03 04 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

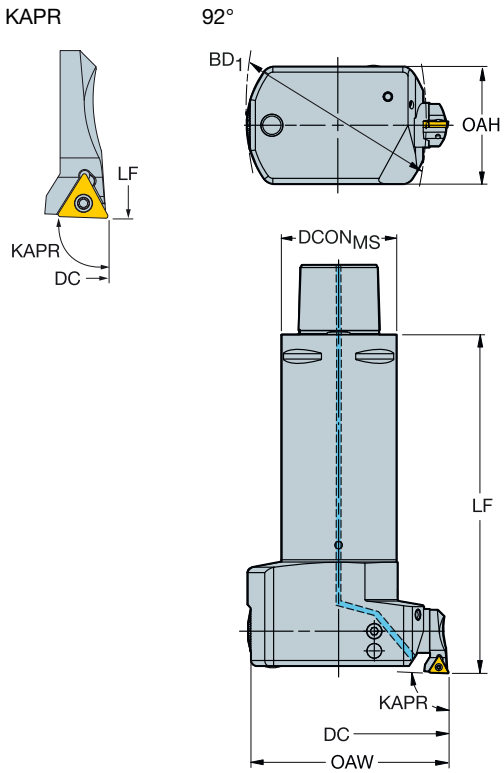
L2 N23 N15 K89

SPA

# Herramienta de mandrinado de precisión CoroBore® 825 de peso ligero

**Coromant Capto® - Suministro de refrigerante interior**








TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | LF | OAH | BD$_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69.00 | 87.00 | 11 | C5 | 3 | **825L-87TC11-C5** | 50.00 | 9.00 | 150.00 | 51.00 | 63.00 | 70 | 2.150 | 1 | TCMT 11 03 04 |
| 86.00 | 107.00 | 11 | C5 | 3 | **825L-107TC11-C5** | 50.00 | 10.50 | 156.00 | 51.00 | 80.00 | 70 | 2.230 | 1 | TCMT 11 03 04 |
| 106.00 | 137.00 | 11 | C6 | 3 | **825L-137TC11-C6** | 63.00 | 15.50 | 190.00 | 64.00 | 100.00 | 70 | 3.970 | 1 | TCMT 11 03 04 |
| 106.00 | 137.00 | 11 | C8 | 3 | **825L-137TC11-C8** | 80.00 | 15.50 | 200.00 | 80.00 | 100.00 | 70 | 4.885 | 1 | TCMT 11 03 04 |
| 136.00 | 167.00 | 11 | C8 | 3 | **825L-167TC11-C8** | 80.00 | 15.50 | 200.00 | 80.00 | 130.00 | 70 | 5.160 | 1 | TCMT 11 03 04 |

Diámetros válidos para mandrinado frontal.

Para obtener más información sobre mandrinado a tracción, consulte la página K92
Para obtener más información sobre el uso de correderas de extensión, consulte la página K89

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado


L2



N23



N15


K89

# Herramienta antivibratoria de mandrinado de precisión CoroBore® 825

**Coromant Capto® - Suministro de refrigerante interior**

| | | |
|---|---|---|
| KAPR | 92° | 92° |
| DSGN | 1 | 2 |

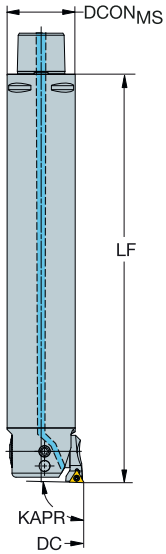
SilentTools®

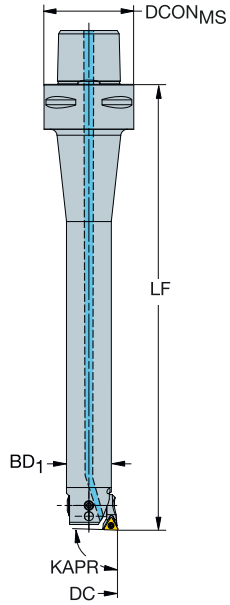




TCMT, TCMX, TCGT, TCGX TCEX

TCMW




| DCN | DCX | ⟷ | CZCMS | CNSC | DSGN | Código de pedido | Dimensiones, mm DCONMS | ADJLXRDL | ULDR | LF | OAH | BD1 | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19.00 | 23.00 | 06 | C4 | 3 | 2 | 825D-23TC06U-C4L | 40.00 | 2.00 | 6.00 | 163.00 | | 18.00 | 70 | 0.568 | 1 | TCMT 06 T1 02 |
| 23.00 | 29.00 | 06 | C4 | 3 | 2 | 825D-29TC06U-C4L | 40.00 | 3.00 | 6.00 | 199.00 | | 20.00 | 70 | 0.728 | 1 | TCMT 06 T1 02 |
| 28.00 | 36.00 | 06 | C3 | 3 | 2 | 825D-36TC06U-C3L | 32.00 | 4.00 | 6.00 | 216.00 | | 25.00 | 70 | 0.968 | 1 | TCMT 06 T1 02 |
| 35.00 | 45.00 | 09 | C3 | 3 | 1 | 825D-45TC09U-C3L | 32.00 | 5.00 | | 221.00 | | 32.00 | 70 | 1.484 | 1 | TCMT 09 02 04 |
| 35.00 | 45.00 | 09 | C4 | 3 | 2 | 825D-45TC09U-C4L | 40.00 | 5.00 | 6.00 | 270.00 | | 32.00 | 70 | 1.924 | 1 | TCMT 09 02 04 |
| 35.00 | 45.00 | 09 | C6 | 3 | 2 | 825D-45TC09U-C6L | 63.00 | 5.00 | 6.00 | 297.00 | | 32.00 | 70 | 2.574 | 1 | TCMT 09 02 04 |
| 44.00 | 56.00 | 09 | C4 | 3 | 1 | 825D-56TC09U-C4L | 40.00 | 6.00 | | 220.00 | | 40.00 | 70 | 2.124 | 1 | TCMT 09 02 04 |
| 44.00 | 56.00 | 09 | C5 | 3 | 2 | 825D-56TC09U-C5L | 50.00 | 6.00 | 6.00 | 336.00 | | 40.00 | 70 | 3.744 | 1 | TCMT 09 02 04 |
| 44.00 | 56.00 | 09 | C6 | 3 | 2 | 825D-56TC09U-C6L | 63.00 | 6.00 | 6.00 | 363.00 | | 40.00 | 70 | 4.384 | 1 | TCMT 09 02 04 |
| 55.00 | 70.00 | 11 | C5 | 3 | 1 | 825D-70TC11U-C5M | 50.00 | 7.50 | | 300.00 | | 50.00 | 70 | 4.940 | 1 | TCMT 11 03 04 |
| 55.00 | 70.00 | 11 | C6 | 3 | 2 | 825D-70TC11U-C6M | 63.00 | 7.50 | 5.60 | 400.00 | | 50.00 | 70 | 6.789 | 1 | TCMT 11 03 04 |
| 69.00 | 87.00 | 11 | C6 | 3 | 1 | 825D-87TC11U-C6M | 63.00 | 9.00 | | 400.00 | | 63.00 | 70 | 9.659 | 1 | TCMT 11 03 04 |
| 69.00 | 87.00 | 11 | C8 | 3 | 2 | 825D-87TC11U-C8S | 80.00 | 9.00 | 5.60 | 500.00 | | 63.00 | 70 | 12.869 | 1 | TCMT 11 03 04 |
| 86.00 | 107.00 | 11 | C6 | 3 | 1 | 825D-107TC11U-C6M | 63.00 | 10.50 | | 400.00 | 64.00 | 80.00 | 70 | 9.729 | 1 | TCMT 11 03 04 |
| 86.00 | 107.00 | 11 | C8 | 3 | 1 | 825D-107TC11U-C8M | 80.00 | 10.50 | | 500.00 | | 80.00 | 70 | 18.089 | 1 | TCMT 11 03 04 |
| 86.00 | 107.00 | 11 | C8 | 3 | 1 | 825D-107TC11U-C8S | 80.00 | 10.50 | | 410.00 | | 80.00 | 70 | 15.669 | 1 | TCMT 11 03 04 |
| 106.00 | 137.00 | 11 | C6 | 3 | 1 | 825D-137TC11U-C6M | 63.00 | 15.50 | | 400.00 | 64.00 | 100.00 | 70 | 9.809 | 1 | TCMT 11 03 04 |
| 106.00 | 137.00 | 11 | C8 | 3 | 1 | 825D-137TC11U-C8M | 80.00 | 15.50 | | 500.00 | 81.00 | 100.00 | 70 | 18.199 | 1 | TCMT 11 03 04 |
| 106.00 | 137.00 | 11 | C8 | 3 | 1 | 825D-137TC11U-C8S | 80.00 | 15.50 | | 400.00 | 81.00 | 100.00 | 70 | 15.759 | 1 | TCMT 11 03 04 |
| 136.00 | 167.00 | 11 | C8 | 3 | 1 | 825D-167TC11U-C8S | 80.00 | 15.50 | | 500.00 | 81.00 | 130.00 | 70 | 18.359 | 1 | TCMT 11 03 04 |

Diámetros válidos para mandrinado frontal.

Para obtener más información sobre mandrinado a tracción, consulte la página K92
Para obtener más información sobre el uso de correderas de extensión, consulte la página K89

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

L2 N23 N15 K89

SPA

# CoroBore® 825 XL/CoroBore® 826 XL

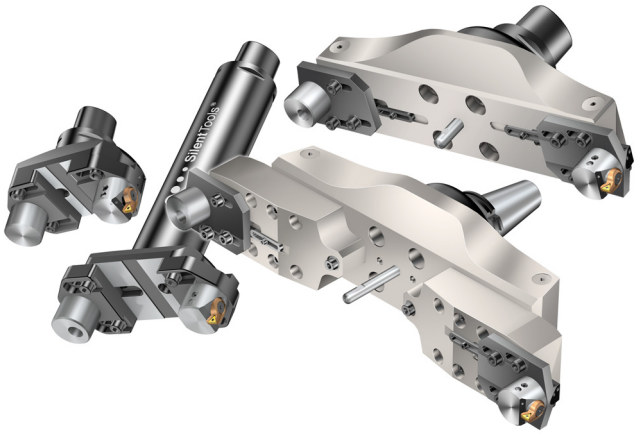
## Herramienta de mandrinado de precisión para grandes diámetros

### Aplicación

- Mandrinado de precisión
- Mandrinado a tracción
- Operaciones exteriores

### Área de aplicación ISO

P M K N S H




### Ventajas y características

- Sistema fiable con adaptadores rígidos entre la cabeza y el cartucho para un mandrinado estable y sin vibraciones
- Portaherramientas específicos optimizados para mandrinado de diámetros grandes
- Tolerancias de agujero estrechas (hasta IT5 para CoroBore 826)
- Cartucho diseñado para lograr la máxima estabilidad
- Refrigerante interior
- El diámetro de 298-1275 mm está hecho de aluminio de gran resistencia, lo que reduce el peso del conjunto
- Recubrimiento duro para la protección de la superficie
- Utilice correderas de extensión para ajuste radial y mandrinado a tracción
- Base modular robusta para la creación de conjuntos en diferentes aplicaciones (mandrinado en desbaste, mandrinado de precisión, ranurado frontal, spiro grooving y torneado con interpolación)

www.sandvik.coromant.com/corobore825

SilentTools®

### Herramientas

Acoplamientos:
- Coromant Capto®
- En eje

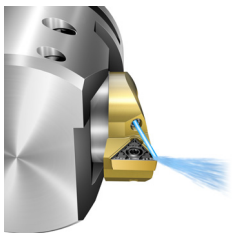
### Plaquitas

Plaquitas estándar con calidades y geometrías específicas para todo tipo de materiales
- CoroTurn® 107

### Ajuste del diámetro:

825: ajusta el diámetro 0.002 mm con un nonio. Un giro de 360° modifica el diámetro 0.5 mm.

826: cada clic ajusta el diámetro 0.002 mm. Un giro de 360° modifica el diámetro 0.1 mm. Modificación total del diámetro en la cabeza de mandrinado de precisión de 1.1-1.3 mm.



Boquilla de refrigerante de gran precisión para un caudal de refrigerante cuidadosamente dirigido al filo

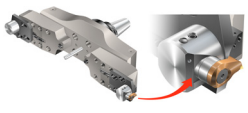
Disponibles como herramientas de peso ligero. Mandrine diámetros grandes sin aumentar el peso de la herramienta.



Utilice el mismo puente/extensión de puente para el desbaste, acabado y ranurado frontal a partir de 150 mm de diámetro (contrapeso necesario para acabado).

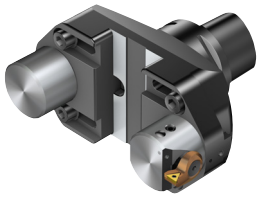


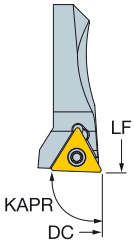
Utilice correderas de extensión para ajuste radial y mandrinado a tracción

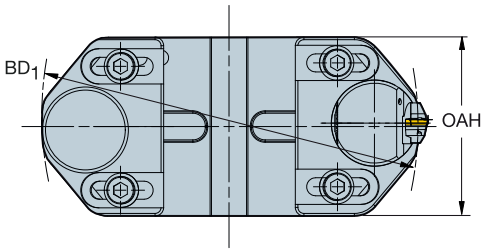


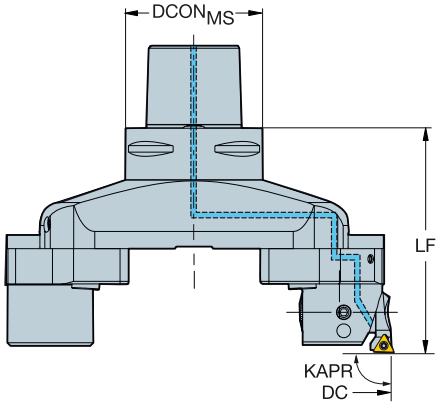
# Herramienta de mandrinado de precisión CoroBore® 825 XL

**Coromant Capto® - Suministro de refrigerante interior**








TCMT, TCMX, TCGT, TCGX TCEX

TCMW

| DCN | DCX | ⟷ | $CZC_{MS}$ | CNSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $ADJLX_{RDL}$ | LF | OAH | $BD_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 148.00 | 215.00 | 11 | C6 | 3 | **825-215TC11-C6** | 63.00 | 33.50 | 118.00 | 104.00 | 145.00 | 70 | 4.534 | 1 | TCMT 11 03 04 |
| 148.00 | 215.00 | 11 | C8 | 3 | **825-215TC11-C8** | 80.00 | 33.50 | 130.00 | 104.00 | 145.00 | 70 | 7.500 | 1 | TCMT 11 03 04 |
| 148.00 | 215.00 | 11 | C10 | 3 | **825-215TC11-C10** | 100.00 | 33.50 | 136.00 | 104.00 | 145.00 | 70 | 9.460 | 1 | TCMT 11 03 04 |
| 198.00 | 265.00 | 11 | C6 | 3 | **825-265TC11-C6** | 63.00 | 33.50 | 118.00 | 104.00 | 195.00 | 70 | 4.750 | 1 | TCMT 11 03 04 |
| 198.00 | 265.00 | 11 | C8 | 3 | **825-265TC11-C8** | 80.00 | 33.50 | 130.00 | 104.00 | 195.00 | 70 | 9.100 | 1 | TCMT 11 03 04 |
| 198.00 | 265.00 | 11 | C10 | 3 | **825-265TC11-C10** | 100.00 | 33.50 | 136.00 | 104.00 | 195.00 | 70 | 10.850 | 1 | TCMT 11 03 04 |
| 248.00 | 315.00 | 11 | C6 | 3 | **825-315TC11-C6** | 63.00 | 33.50 | 118.00 | 104.00 | 245.00 | 70 | 5.400 | 1 | TCMT 11 03 04 |
| 248.00 | 315.00 | 11 | C8 | 3 | **825-315TC11-C8** | 80.00 | 33.50 | 130.00 | 104.00 | 245.00 | 70 | 10.350 | 1 | TCMT 11 03 04 |
| 248.00 | 315.00 | 11 | C10 | 3 | **825-315TC11-C10** | 100.00 | 33.50 | 136.00 | 104.00 | 245.00 | 70 | 12.570 | 1 | TCMT 11 03 04 |

Diámetros válidos para mandrinado frontal.

Para obtener más información sobre mandrinado exterior, consulte la página K94
Para obtener más información sobre mandrinado a tracción, consulte la página K92
Para obtener más información sobre el uso de correderas de extensión, consulte la página K90

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

L2 N23 N15 K90

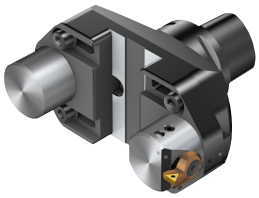
SPA

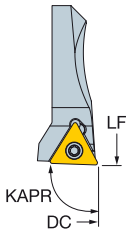
# Herramienta de mandrinado de precisión CoroBore® 826 XL

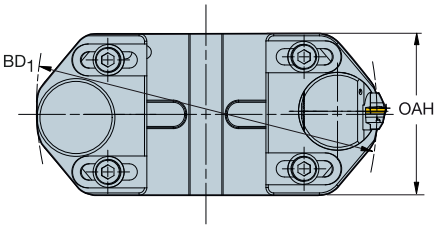
**Coromant Capto® - Suministro de refrigerante interior**

KAPR
STDNO

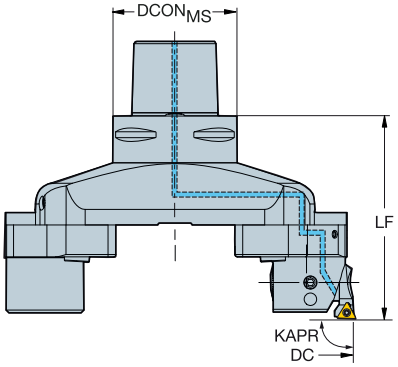
92°
ISO26623-1








TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

| DCN | DCX | ⟷ | IC | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | LF | OAH | BD$_1$ | BAR PSI | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 154.35 | 207.65 | 11 | 1/4 | C6 | 3 | **826-207TC11-C6HP** | 63.00 | 26.65 | 125.00 | 104.00 | 145.00 | 70 | 3.560 | 1 | TCMT 11 03 04 |
| 154.35 | 207.65 | 11 | 1/4 | C8 | 3 | **826-207TC11-C8HP** | 80.00 | 26.65 | 137.00 | 104.00 | 145.00 | 70 | 6.430 | 1 | TCMT 11 03 04 |
| 204.35 | 257.65 | 11 | 1/4 | C6 | 3 | **826-257TC11-C6HP** | 63.00 | 26.65 | 125.00 | 104.00 | 195.00 | 70 | 3.880 | 1 | TCMT 11 03 04 |
| 204.35 | 257.65 | 11 | 1/4 | C8 | 3 | **826-257TC11-C8HP** | 80.00 | 26.65 | 137.00 | 104.00 | 195.00 | 70 | 7.630 | 1 | TCMT 11 03 04 |
| 254.35 | 307.65 | 11 | 1/4 | C6 | 3 | **826-307TC11-C6HP** | 63.00 | 26.65 | 125.00 | 104.00 | 245.00 | 70 | 4.240 | 1 | TCMT 11 03 04 |
| 254.35 | 307.65 | 11 | 1/4 | C8 | 3 | **826-307TC11-C8HP** | 80.00 | 26.65 | 137.00 | 104.00 | 245.00 | 70 | 8.720 | 1 | TCMT 11 03 04 |

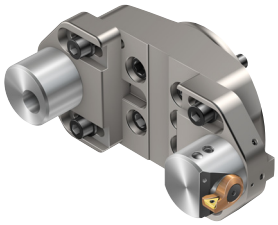
Diámetros válidos para mandrinado frontal.
No se recomienda el mandrinado a tracción con CoroBore® 826
Para obtener más información sobre el uso de correderas de extensión, consulte la página K92
Para obtener más información sobre mandrinado exterior, consulte la página K94

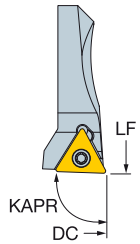
Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

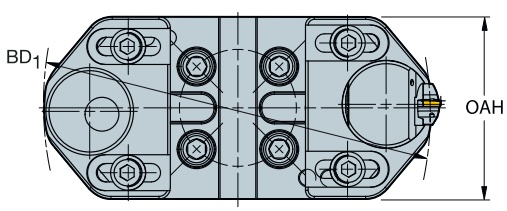
L2 N23 N15 K90

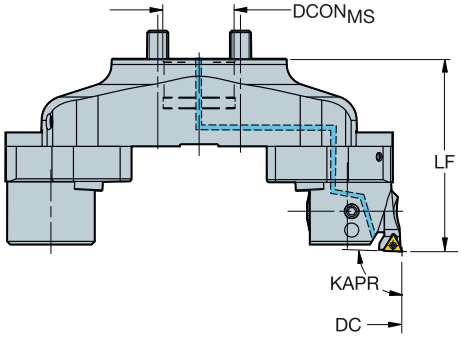
# Herramienta de mandrinado de precisión CoroBore® 825 XL de peso ligero

**Eje - Suministro de refrigerante interior**








TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

| DCN | DCX | | $CZC_{MS}$ | CNSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $ADJLX_{RDL}$ | LF | OAH | $BD_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 148.00 | 215.00 | 11 | 40S | 1 | **825L-215TC11** | 40.00 | 33.50 | 110.00 | 104.00 | 145.00 | 70 | 4.450 | 1 | TCMT 11 03 04 |
| 198.00 | 265.00 | 11 | 40S | 1 | **825L-265TC11** | 40.00 | 33.50 | 110.00 | 104.00 | 195.00 | 70 | 4.920 | 1 | TCMT 11 03 04 |
| 248.00 | 315.00 | 11 | 40S | 1 | **825L-315TC11** | 40.00 | 33.50 | 110.00 | 104.00 | 245.00 | 70 | 5.370 | 1 | TCMT 11 03 04 |

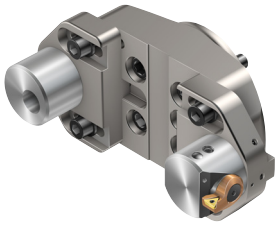
Debe utilizarse con portaherramientas de fresas de planeado 40S, por ejemplo C8-391.05-40 060M. Pedir por separado.
Diámetros válidos para mandrinado frontal.
Para obtener más información sobre mandrinado a tracción, consulte la página K92
Para obtener más información sobre el uso de correderas de extensión, consulte la página K90
Para obtener más información sobre mandrinado exterior, consulte la página K94
Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

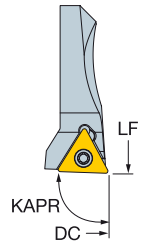
L2 N23 N15 K90

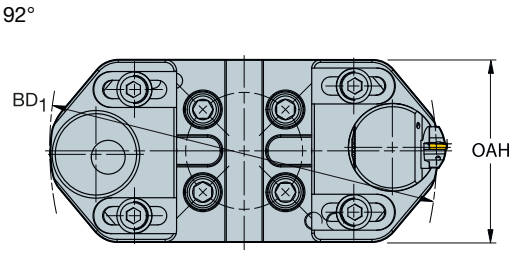
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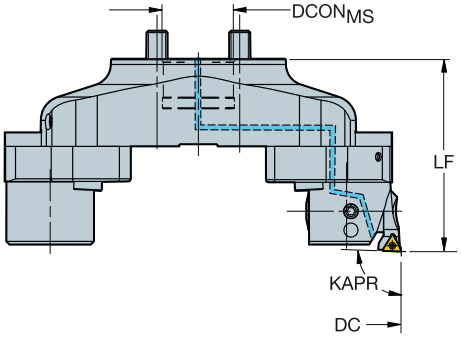
# Herramienta de mandrinado de precisión CoroBore® 826 XL de peso ligero

**Eje - Suministro de refrigerante interior**








TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ISO | ADJLX$_{RDL}$ | LF | OAH | BD$_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 154.35 | 207.65 | 11 | 40S | 1 | **826L-207TC11HP** | 40.00 | C | 26.65 | 117.00 | 104.00 | 145.00 | 70 | 3.310 | 1 | TCMT 11 03 04 |
| 204.35 | 257.65 | 11 | 40S | 1 | **826L-257TC11HP** | 40.00 | C | 26.65 | 117.00 | 104.00 | 195.00 | 70 | 3.650 | 1 | TCMT 11 03 04 |
| 254.35 | 307.65 | 11 | 40S | 1 | **826L-307TC11HP** | 40.00 | C | 26.65 | 117.00 | 104.00 | 245.00 | 70 | 4.320 | 1 | TCMT 11 03 04 |

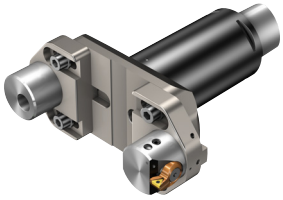
Debe utilizarse con portaherramientas de fresas de planeado 40S, por ejemplo C8-391.05-40 060M. Pedir por separado.
No se recomienda el mandrinado a tracción con CoroBore® 826
Para obtener más información sobre mandrinado exterior, consulte la página K94
Para obtener más información sobre el uso de correderas de extensión, consulte la página K90
Diámetros válidos para mandrinado frontal.

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

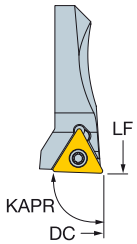
L2 N23 N15 K90

# Herramienta de mandrinado de precisión CoroBore® 825 XL de peso ligero

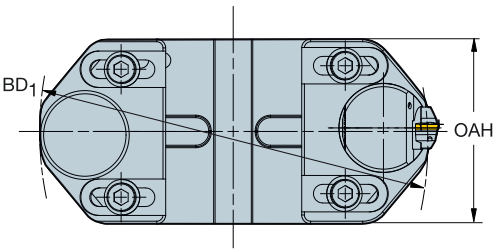
**Coromant Capto® - Suministro de refrigerante interior**

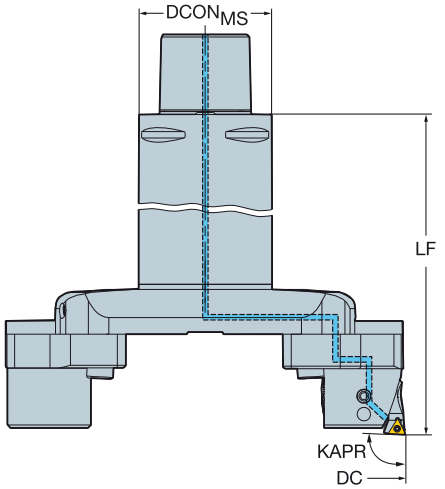


KAPR




92°






TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

| DCN | DCX | ⟷ | $CZC_{MS}$ | CNSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $ADJLX_{RDL}$ | LF | OAH | $BD_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 148.00 | 215.00 | 11 | C8 | 3 | **825L-215TC11-C8** | 80.00 | 33.50 | 230.00 | 104.00 | 145.00 | 70 | 7.640 | 1 | TCMT 11 03 04 |
| 198.00 | 265.00 | 11 | C8 | 3 | **825L-265TC11-C8** | 80.00 | 33.50 | 230.00 | 104.00 | 195.00 | 70 | 8.320 | 1 | TCMT 11 03 04 |
| 248.00 | 315.00 | 11 | C8 | 3 | **825L-315TC11-C8** | 80.00 | 33.50 | 230.00 | 104.00 | 245.00 | 70 | 8.680 | 1 | TCMT 11 03 04 |

Diámetros válidos para mandrinado frontal.

Para obtener más información sobre mandrinado exterior, consulte la página K94
Para obtener más información sobre mandrinado a tracción, consulte la página K92
Para obtener más información sobre el uso de correderas de extensión, consulte la página K90

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

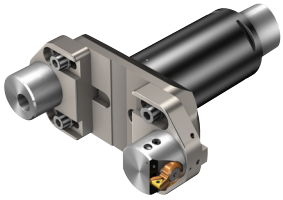
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

L2 N23 N15 K90

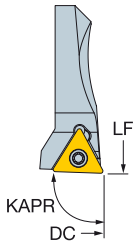
SPA

# Herramienta de mandrinado de precisión CoroBore® 826 XL de peso ligero

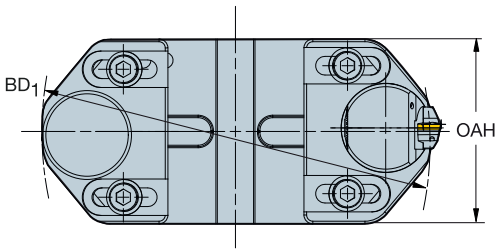
**Coromant Capto® - Suministro de refrigerante interior**

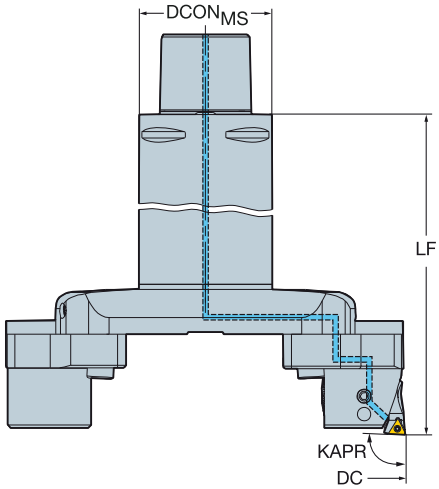


KAPR




92°






TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

| DCN | DCX | ↔ | $CZC_{MS}$ | CNSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $ADJLX_{RDL}$ | LF | OAH | $BD_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 154.35 | 207.65 | 11 | C8 | 3 | **826L-207TC11-C8HP** | 80.00 | 26.65 | 237.00 | 104.00 | 145.00 | 70 | 6.300 | 1 | TCMT 11 03 04 |
| 204.35 | 257.65 | 11 | C8 | 3 | **826L-257TC11-C8HP** | 80.00 | 26.65 | 237.00 | 104.00 | 195.00 | 70 | 6.660 | 1 | TCMT 11 03 04 |
| 254.35 | 307.65 | 11 | C8 | 3 | **826L-307TC11-C8HP** | 80.00 | 26.65 | 237.00 | 104.00 | 245.00 | 70 | 7.030 | 1 | TCMT 11 03 04 |

No se recomienda el mandrinado a tracción con CoroBore® 826

Para obtener más información sobre mandrinado exterior, consulte la página K94

Para obtener más información sobre el uso de correderas de extensión, consulte la página K90

Diámetros válidos para mandrinado frontal.

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

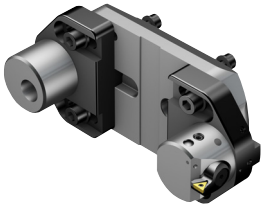
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

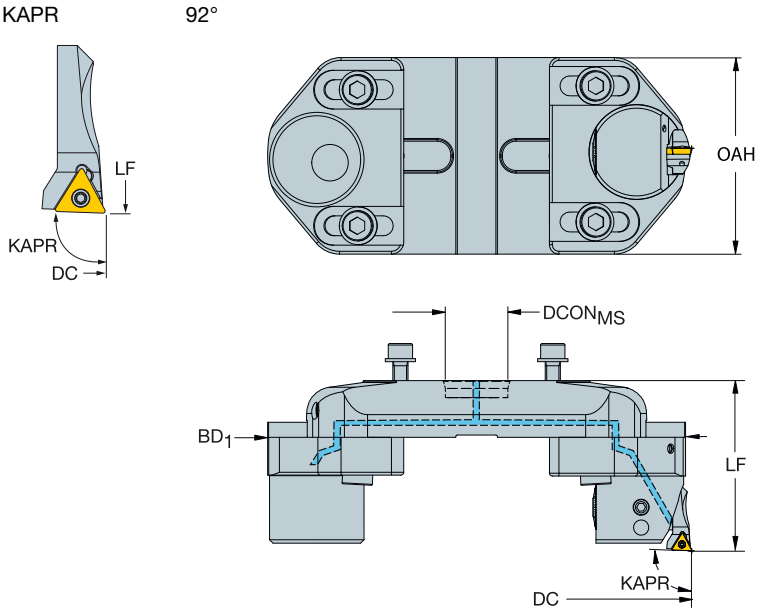
L2 N23 N15 K90

# Herramienta de mandrinado de precisión CoroBore® 825 XL

**Eje - Suministro de refrigerante interior**

**Específica para mandrinado con Silent Tools**








TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

| DCN | DCX | ⟷ | $CZC_{MS}$ | CNSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $ADJLX_{RDL}$ | LF | OAH | $BD_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 148.00 | 215.00 | 11 | 33 | 1 | **825D-215TC11** | 33.00 | 33.50 | 90.00 | 104.00 | 145.00 | 70 | 2.620 | 1 | TCMT 11 03 04 |
| 198.00 | 265.00 | 11 | 33 | 1 | **825D-265TC11** | 33.00 | 33.50 | 90.00 | 104.00 | 195.00 | 70 | 2.940 | 1 | TCMT 11 03 04 |
| 248.00 | 315.00 | 11 | 33 | 1 | **825D-315TC11** | 33.00 | 33.50 | 90.00 | 104.00 | 245.00 | 70 | 4.190 | 1 | TCMT 11 03 04 |

Diámetros válidos para mandrinado frontal.

Para obtener más información sobre mandrinado exterior, consulte la página K94

Para obtener más información sobre mandrinado a tracción, consulte la página K92

Para obtener más información sobre el uso de correderas de extensión, consulte la página K90

Estos conjuntos de peso ligero han sido específicamente diseñados para usarse con adaptadores de mandrinado antivibratorios. Los adaptadores antivibratorios se compran por separado, consulte la página K77.

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

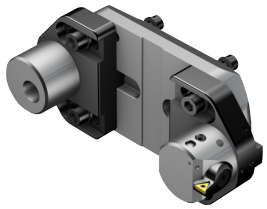
K77 N23 N15 K90

SPA

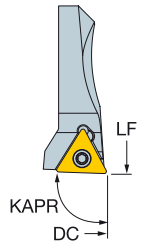
# Herramienta de mandrinado de precisión CoroBore® 826 XL

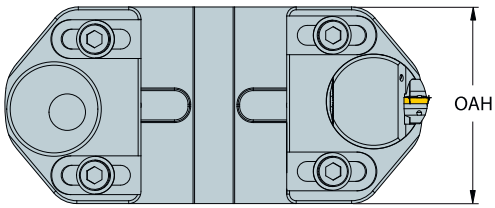
**Eje - Suministro de refrigerante interior**

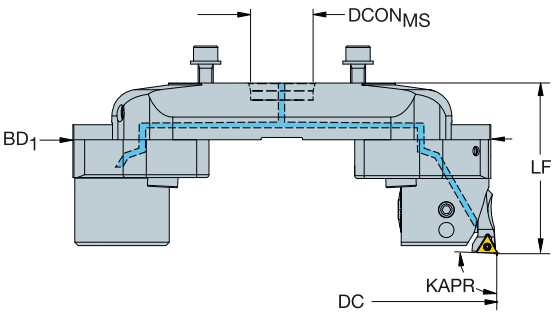
**Específica para mandrinado con Silent Tools**



KAPR 92°






TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

| DCN | DCX | | $CZC_{MS}$ | CNSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $ADJLX_{RDL}$ | LF | OAH | $BD_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 154.35 | 207.65 | 11 | 33 | 1 | **826D-207TC11HP** | 33.00 | 26.65 | 97.00 | 104.00 | 145.00 | 70 | 2.770 | 1 | TCMT 11 03 04 |
| 204.35 | 257.65 | 11 | 33 | 1 | **826D-257TC11HP** | 33.00 | 26.65 | 97.00 | 104.00 | 195.00 | 70 | 3.110 | 1 | TCMT 11 03 04 |
| 254.35 | 307.65 | 11 | 33 | 1 | **826D-307TC11HP** | 33.00 | 26.65 | 97.00 | 104.00 | 245.00 | 70 | 3.470 | 1 | TCMT 11 03 04 |

Diámetros válidos para mandrinado frontal.

No se recomienda el mandrinado a tracción con CoroBore® 826

Para obtener más información sobre mandrinado exterior, consulte la página K94

Para obtener más información sobre el uso de correderas de extensión, consulte la página K90

Estos conjuntos de peso ligero han sido específicamente diseñados para usarse con adaptadores de mandrinado antivibratorios. Los adaptadores antivibratorios se compran por separado, consulte la página K77.

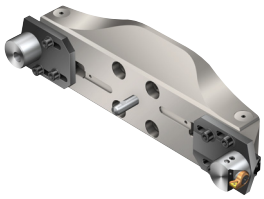
Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

K77 N23 N15 K90

# Herramienta de mandrinado de precisión CoroBore® 825 XL

**Eje - Suministro de refrigerante interior**

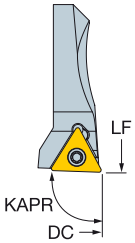




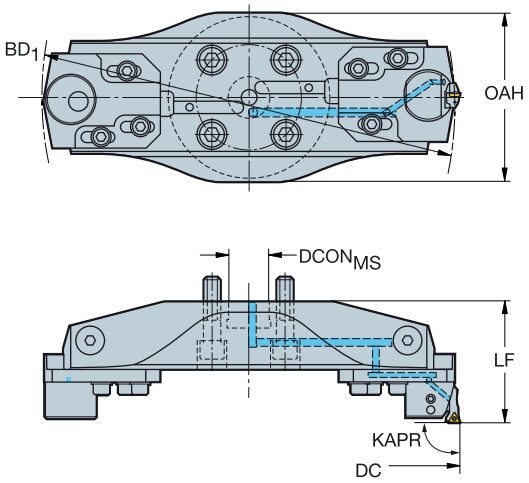
TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

KAPR




92°




| DCN | DCX | ↔ | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | LF | OAH | BD$_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 298.00 | 395.00 | 11 | 40X | 1 | **825-395TC11** | 40.00 | 48.50 | 114.00 | 164.00 | 295.00 | 70 | 10.385 | 1 | TCMT 11 03 04 |
| 378.00 | 475.00 | 11 | 40X | 1 | **825-475TC11** | 40.00 | 48.50 | 119.00 | 164.00 | 375.00 | 70 | 12.280 | 1 | TCMT 11 03 04 |
| 458.00 | 555.00 | 11 | 40X | 1 | **825-555TC11** | 40.00 | 48.50 | 124.00 | 164.00 | 455.00 | 70 | 16.400 | 1 | TCMT 11 03 04 |

Diámetros válidos para mandrinado frontal.

Para obtener más información sobre mandrinado exterior, consulte la página K94
Para obtener más información sobre mandrinado a tracción, consulte la página K92
Para obtener más información sobre el uso de correderas de extensión, consulte la página K90

Utilizar solo con portaherramientas 40X CoroBore XL. Deben pedirse por separado. Consulte la página K76.

En caso de tener la brida directamente en el husillo de la máquina, use un dispositivo de centrado. Consulte la página K77

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

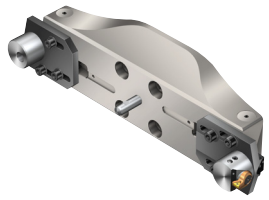
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

K76 N23 N15 K90

SPA

# Herramienta de mandrinado de precisión CoroBore® 826 XL

**Eje - Suministro de refrigerante interior**

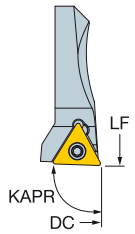




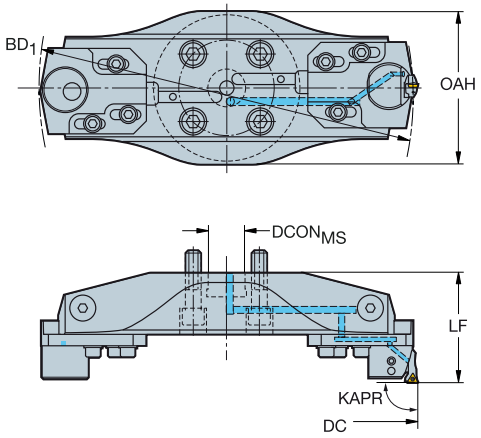
TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

KAPR




92°




| DCN | DCX | ↔ | IC | $CZC_{MS}$ | CNSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $ADJLX_{RDL}$ | LF | OAH | $BD_1$ | BAR PSI | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 304.35 | 387.65 | 11 | 1/4 | 40X | 1 | **826-387TC11HP** | 40.00 | 41.65 | 121.00 | 164.00 | 295.00 | 70 | 8.870 | 1 | TCMT 11 03 04 |
| 384.35 | 467.65 | 11 | 1/4 | 40X | 1 | **826-467TC11HP** | 40.00 | 41.65 | 126.00 | 164.00 | 375.00 | 70 | 10.400 | 1 | TCMT 11 03 04 |
| 464.35 | 547.65 | 11 | 1/4 | 40X | 1 | **826-547TC11HP** | 40.00 | 41.65 | 131.00 | 164.00 | 455.00 | 70 | 12.340 | 1 | TCMT 11 03 04 |

Diámetros válidos para mandrinado frontal.
No se recomienda el mandrinado a tracción con CoroBore® 826
Para obtener más información sobre mandrinado exterior, consulte la página K94
Para obtener más información sobre el uso de correderas de extensión, consulte la página K90
Utilizar solo con portaherramientas 40X CoroBore XL. Deben pedirse por separado. Consulte la página K76.
En caso de tener la brida directamente en el husillo de la máquina, use un dispositivo de centrado. Consulte la página K77

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

K76 N23 N15 K90

# Herramienta de mandrinado de precisión CoroBore® 825 XL

**Eje - Suministro de refrigerante interior**

**Con extensión de puente**

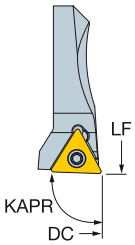




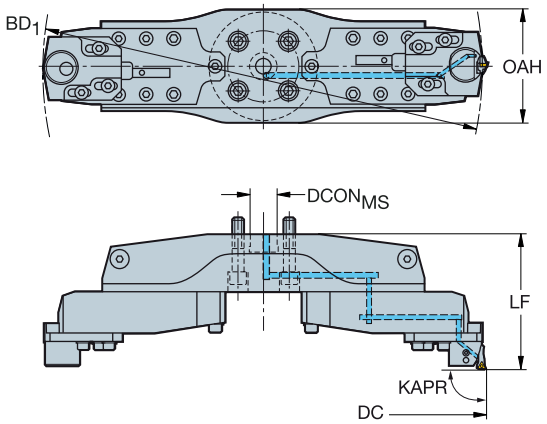
TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

KAPR




92°




| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | LF | OAH | BD$_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 538.00 | 795.00 | 11 | 40X | 1 | **825-795TC11** | 40.00 | 128.50 | 198.00 | 164.00 | 535.00 | 70 | 25.640 | 1 | TCMT 11 03 04 |
| 778.00 | 1035.00 | 11 | 40X | 1 | **825-1035TC11** | 40.00 | 128.50 | 218.00 | 164.00 | 775.00 | 70 | 36.830 | 1 | TCMT 11 03 04 |
| 1018.00 | 1275.00 | 11 | 40X | 1 | **825-1275TC11** | 40.00 | 128.50 | 218.00 | 164.00 | 1015.00 | 70 | 44.260 | 1 | TCMT 11 03 04 |

Diámetros válidos para mandrinado frontal.

Para obtener más información sobre mandrinado exterior, consulte la página K94
Para obtener más información sobre mandrinado a tracción, consulte la página K92
Para obtener más información sobre el uso de correderas de extensión, consulte la página K90

Utilizar solo con portaherramientas 40X CoroBore XL. Deben pedirse por separado. Consulte la página K76.

En caso de tener la brida directamente en el husillo de la máquina, use un dispositivo de centrado. Consulte la página K77

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

K76 N23 N15 K90

SPA

# Herramienta de mandrinado de precisión CoroBore® 826 XL

**Eje - Suministro de refrigerante interior**

**Con extensión de puente**

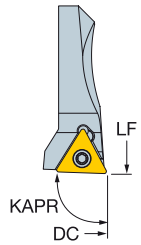




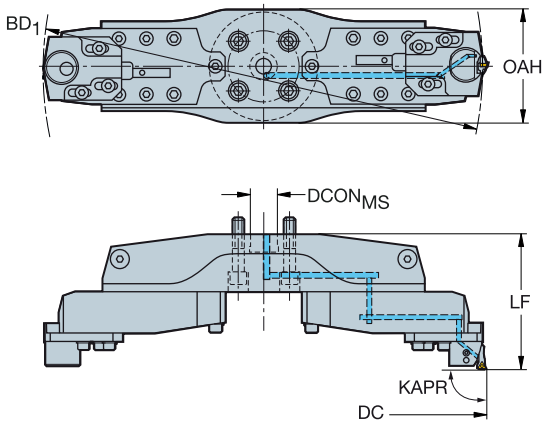
TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

KAPR




92°




| DCN | DCX | ⟷ | $CZC_{MS}$ | CNSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $ADJLX_{RDL}$ | LF | OAH | $BD_1$ | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 544.35 | 787.65 | 11 | 40X | 1 | **826-787TC11HP** | 40.00 | 121.65 | 205.00 | 164.00 | 535.00 | 70 | 24.430 | 1 | TCMT 11 03 04 |
| 784.35 | 1027.65 | 11 | 40X | 1 | **826-1027TC11HP** | 40.00 | 121.65 | 225.00 | 164.00 | 775.00 | 70 | 35.060 | 1 | TCMT 11 03 04 |
| 1024.35 | 1267.65 | 11 | 40X | 1 | **826-1267TC11HP** | 40.00 | 121.65 | 225.00 | 164.00 | 1015.00 | 70 | 44.110 | 1 | TCMT 11 03 04 |

Diámetros válidos para mandrinado frontal.

No se recomienda el mandrinado a tracción con CoroBore® 826

Para obtener más información sobre mandrinado exterior, consulte la página K94

Para obtener más información sobre el uso de correderas de extensión, consulte la página K90

Utilizar solo con portaherramientas 40X CoroBore XL. Deben pedirse por separado. Consulte la página K76.

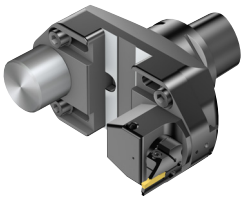
En caso de tener la brida directamente en el husillo de la máquina, use un dispositivo de centrado. Consulte la página K77

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

K76 N23 N15 K90

# Ranurado frontal

| | Gama de diámetros, mm | Tolerancia de agujero | Filos de corte | Operación | Elección de plaquitas | Adaptador del lado de la máquina | Página |
|---|---|---|---|---|---|---|---|
| **CoroCut® MB**  | 14-50 | IT7 | 1 | - Ranurado frontal | - CoroCut® MB | - Coromant Capto® | K67 |
| **CoroBore® 825 SL**  | 47-150 | IT7 | 1 | - Ranurado frontal | - CoroCut® | - Coromant Capto® | K68-K69 |
| **CoroBore® 825 SL XL**  | 148-1275 | IT7 | 1 | - Ranurado frontal | - CoroCut® | - Coromant Capto®<br>- 40X con círculo de 4 pernos | K70 |
| **SpiroGrooving™**  | 30-289 | | 1 (interior y exterior) | - Spirogrooving | - CoroTurn® 107 | - Coromant Capto® | K71-K73 |

SPA

# Mango cilíndrico a adaptador CoroCut® MB

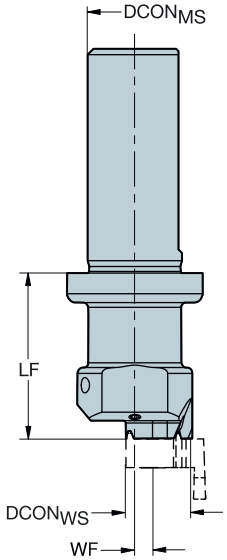
**Para ranurado frontal**

**Suministro de refrigerante interior**





MB...FA




| | | | | Dimensiones, mm | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | WF | BAR | KG |
| 16 | 09 | 1 | R429U-A16-14032MB09 | 16.00 | 9.00 | 32.00 | -2.00 | 20 | 0.115 |
| 16 | 09 | 1 | R429U-A16-19030MB09 | 16.00 | 9.00 | 30.00 | 0.50 | 20 | 0.114 |
| 16 | 09 | 1 | R429U-A16-24028MB09 | 16.00 | 9.00 | 28.00 | 3.00 | 20 | 0.120 |
| 16 | 09 | 1 | R429U-A16-29026MB09 | 16.00 | 9.00 | 26.00 | 5.50 | 20 | 0.120 |
| 16 | 09 | 1 | R429U-A16-34024MB09 | 16.00 | 9.00 | 24.00 | 8.00 | 20 | 0.129 |
| 16 | 09 | 1 | R429U-A16-39022MB09 | 16.00 | 9.00 | 22.00 | 10.50 | 20 | 0.145 |
| 16 | 09 | 1 | R429U-A16-44020MB09 | 16.00 | 9.00 | 20.00 | 13.00 | 20 | 0.153 |

Para ver las herramientas de corte CoroCut® MB, consulte el Catálogo de herramientas de torneado

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

Adaptadores recomendados:

A16: 391.37A


L2



N23



N15

# CoroBore® 825 SL

## Ranurado frontal

### Aplicación

- Ranurado frontal
- Ranurado axial




### Área de aplicación ISO

P M K N S H

### Ventajas y características

- Mayor productividad en comparación con el fresado
- Excelente control de la viruta gracias al refrigerante interior dirigido al filo de corte
- Compatible con nuestra gran variedad de cabezas CoroTurn® SL estándar y el sistema CoroCut de 1 y 2 filos. (Tipo a izquierda, curva A: convexa)
- Cabezas de ranurado frontal con ajuste radial de precisión para pre-reglaje
- Diseño robusto con herramientas específicas para el ranurado frontal de diámetro grande y pequeño
- Refrigerante interior

### Herramientas

Acoplamientos:
- Coromant Capto®
- En eje

### Plaquitas

- Plaquitas del sistema CoroCut® de 1 y 2 filos
- Calidades y geometrías específicas para todos los materiales

Las plaquitas y la cabeza CoroTurn® SL se piden por separado.

825: ajusta el diámetro 0.002 mm con un nonio. Un giro de 360° modifica el diámetro 0.5 mm.



Cabeza de ranurado frontal de ajuste radial preciso para el prerreglaje con el mismo adaptador que la cabeza de mandrinado de precisión CoroBore 825

Geometrías de primera elección: -CM o -TF, según el radio de punta elegido. Valor inicial recomendado para el avance: 0.15 mm/rev

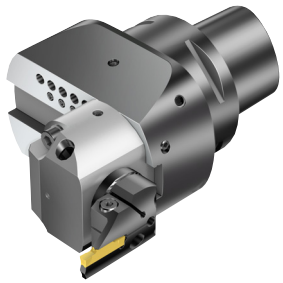
Si se requieren ranuras con una mayor tolerancia de ancho, elija la geometría -GF. Valor inicial recomendado para el avance: 0.10 mm/rev

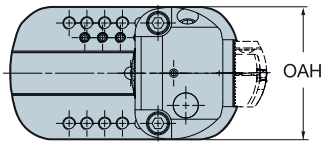


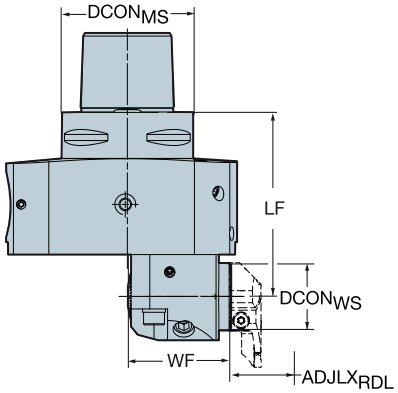
SPA

# Coromant Capto® a CoroTurn® SL, adaptador ajustable

**Coromant Capto® - Suministro de refrigerante interior**

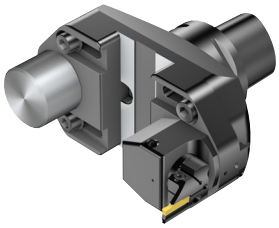


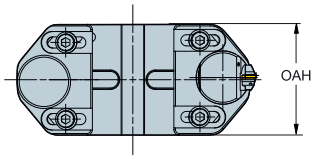


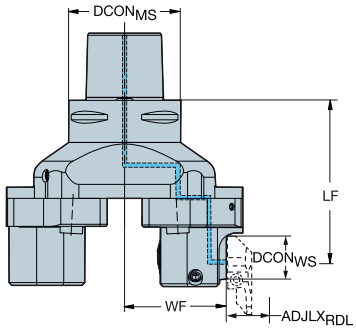




## Ajuste de precisión CoroBore® 825

| | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | $ADJLX_{RDL}$ | LF | LPR | WF | OAH | OAW | BAR | KG |
| C6 | 32 | 3 | 825-150SL32-C6 | 63.00 | 32.00 | 51.50 | 88.00 | 109.00 | 5.50 | 63.40 | 106.00 | 20 | 4.320 |
| C8 | 32 | 3 | 825-150SL32-C8 | 80.00 | 32.00 | 51.50 | 96.00 | 117.00 | 5.50 | 80.40 | 106.00 | 20 | 5.470 |






## CoroBore® 825 XL

| | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | $ADJLX_{RDL}$ | LF | LPR | WF | OAH | OAW | BAR | KG |
| C8 | 32 | 3 | 825-215SL32-C8 | 80.00 | 32.00 | 33.50 | 112.00 | 133.00 | 56.00 | 104.00 | 130.00 | 20 | 8.040 |
| C8 | 32 | 3 | 825-265SL32-C8 | 80.00 | 32.00 | 33.50 | 112.00 | 133.00 | 81.00 | 104.00 | 180.00 | 20 | 9.120 |
| C8 | 32 | 3 | 825-315SL32-C8 | 80.00 | 32.00 | 33.50 | 112.00 | 133.00 | 106.00 | 104.00 | 230.00 | 20 | 10.750 |

La gama de diámetros de la cabeza CoroTurn® SL y de la herramienta deben ajustarse al requisito del componente. Para obtener más información sobre las cabezas CoroTurn® SL, consulte el Catálogo de herramientas de torneado

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es


L2



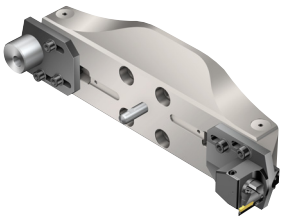
N23

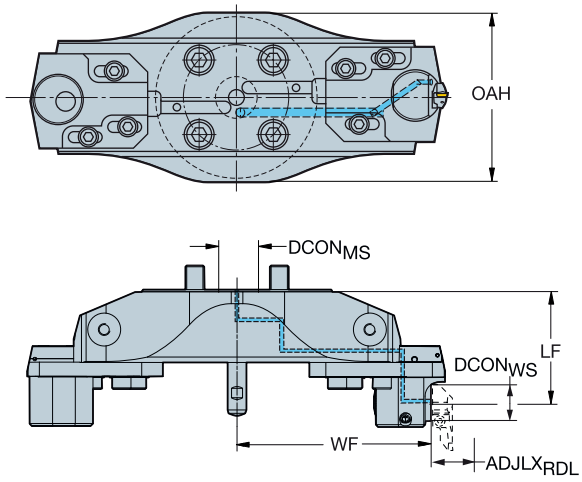


N15

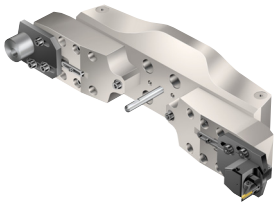
# Eje a CoroTurn® SL, adaptador ajustable

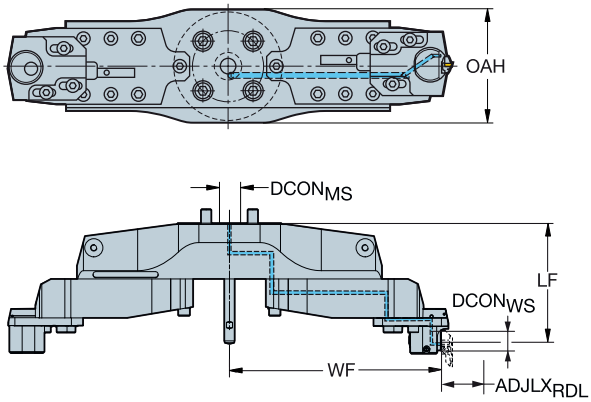
**Eje - Suministro de refrigerante interior**






| CZCMS | CZCWS | CNSC | Código de pedido | Dimensiones, mm DCONMS | DCONWS | ADJLXRDL | LF | LPR | WF | OAH | OAW | BAR | KG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40X | 32 | 1 | 825-395SL32 | 40.00 | 32.00 | 48.50 | 96.00 | 117.00 | 131.00 | 164.00 | 334.00 | 20 | 8.980 |
| 40X | 32 | 1 | 825-475SL32 | 40.00 | 32.00 | 48.50 | 101.00 | 122.00 | 171.00 | 164.00 | 414.00 | 20 | 12.830 |
| 40X | 32 | 1 | 825-555SL32 | 40.00 | 32.00 | 48.50 | 106.00 | 127.00 | 211.00 | 104.00 | 494.00 | 20 | 12.670 |






**Con extensión de puente**

| CZCMS | CZCWS | CNSC | Código de pedido | Dimensiones, mm DCONMS | DCONWS | ADJLXRDL | LF | LPR | WF | OAH | OAW | BAR | KG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40X | 32 | 1 | 825-1035SL32 | 40.00 | 32.00 | 128.50 | 200.00 | 221.00 | 371.00 | 164.00 | 838.00 | 20 | 36.310 |
| 40X | 32 | 1 | 825-1275SL32 | 40.00 | 32.00 | 128.50 | 200.00 | 221.00 | 491.00 | 164.00 | 1078.00 | 20 | 43.740 |
| 40X | 32 | 1 | 825-795SL32 | 40.00 | 32.00 | 128.50 | 180.00 | 201.00 | 251.00 | 164.00 | 598.00 | 20 | 25.120 |

La gama de diámetros de la cabeza CoroTurn® SL y de la herramienta deben ajustarse al requisito del componente. Para obtener más información sobre las cabezas CoroTurn® SL, consulte el Catálogo de herramientas de torneado

Utilizar solo con portaherramientas 40X CoroBore XL. Deben pedirse por separado. Consulte la página K76.

En caso de tener la brida directamente en el husillo de la máquina, use un dispositivo de centrado. Consulte la página K77

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

K76 N23 N15

SPA

# SpiroGrooving™

## Mecanizado de ranuras de anillos de sellado con una máxima productividad

### Aplicación

- Todas las ranuras de 23°, R-RX y BX
- No aplicable a chaflanes de 45° en el flanco exterior de las ranuras BX
- Debe disponer del software SpiroGrooving™
- Es recomendable programar tamaños de «tolerancia intermedia para la profundidad y el diámetro.
- Transfiera el código de CN generado al controlador de la máquina



### Área de aplicación ISO:

P M K N S H

### Ventajas y características

**Seguridad del proceso**
- Rotura de la viruta controlada con el recorrido de herramienta SpiroGrooving™
- Refrigerante interior
- Sin vibraciones

**Alta productividad**
- Gran aprovechamiento de la máquina debido al buen control de la viruta
- Método de mecanizado muy eficiente
- Tiempo en corte reducido a través de mayores datos de corte

**Programación rápida y sencilla**
- Calculadora SpiroGrooving™ para generación de códigos de CN
- Base modular robusta para la creación de conjuntos en diferentes aplicaciones (mandrinado en desbaste, mandrinado de precisión, ranurado frontal, spiro grooving y torneado con interpolación)

www.sandvik.coromant.com/spirogrooving

### Herramientas

- Coromant Capto®
- CoroBore® XL integrado - sistema rígido y fiable para una máxima estabilidad
- Disponibilidad de cartuchos con ajuste axial y radial



### Plaquitas

- Plaquitas CoroTurn® 107 (VCMT) para el tamaño 30-75 mm
- Plaquitas CoroTurn® 107 (VCMT) para el tamaño 48-289 mm

SpiroGrooving utiliza un movimiento cónico de herramienta de espirógrafo. Esto reduce el grosor de la viruta, ofreciendo así una acción de corte suave y un mayor avance. Además, partes del filo de la plaquita realizan cortes interrumpidos, lo cual elimina las virutas largas enredadas en la herramienta y el husillo.

SpiroGrooving es una solución exclusiva, desarrollada para proporcionar un mecanizado seguro y productivo de ranuras de anillos de sellado en componentes no rotativos. Hágase con el paquete completo para este exclusivo método de mecanizado con herramientas y generador de códigos de control numérico (CN).

### ¿Quiere saber cómo se programa?

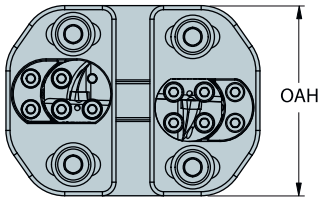
Con el generador de códigos de CN SpiroGrooving puede obtener su código de CN en pocos y rápidos pasos.
Generador de códigos de CN – introduzca la geometría de la ranura y los parámetros de corte, y recibirá un código de control numérico.

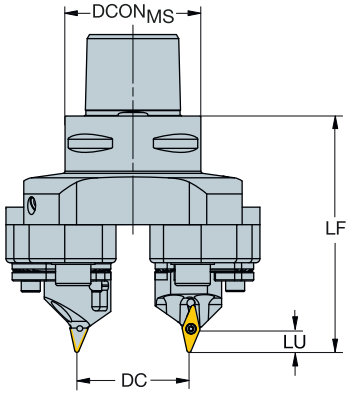
# Herramienta CoroBore® XL ajustable para SpiroGrooving™

**Coromant Capto® - Suministro de refrigerante interior**

KAPR 67°








VCMT

**Ajuste radial y axial**

| DCN | DCX | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | ADJLX$_{RDL}$ | LU | LF | OAH | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30.00 | 75.60 | 11 | C5 | 1 | **820-75VC11X-C5** | 50.00 | 22.80 | 9.00 | 87.00 | 70.00 | 80 | 2.655 | 1 | VBMT 11 03 04 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado


L2



N23



N15



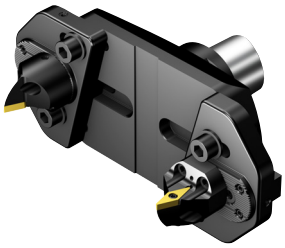
SANDVIK Coromant

SPA

# Herramienta CoroBore® XL ajustable para SpiroGrooving™

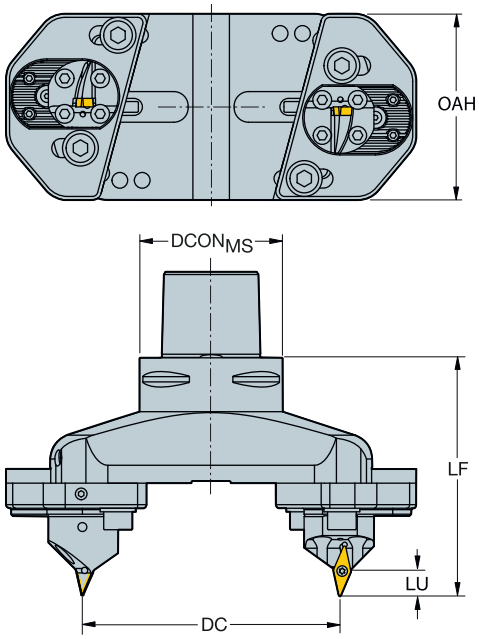
**Coromant Capto® - Suministro de refrigerante interior**

KAPR 67°





VBMT




## Ajuste radial y axial

| | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DCN | DCX | | $CZC_{MS}$ | CNSC | **Código de pedido** | $DCON_{MS}$ | $ADJLX_{RDL}$ | LU | LF | OAH | BAR | KG | CICT | MIID |
| 48.00 | 139.60 | 16 | C6 | 1 | **820-139VB16X-C6** | 63.00 | 45.80 | 15.00 | 121.00 | 104.00 | 80 | 5.060 | 1 | VBMT 16 04 08 |
| 48.00 | 139.60 | 16 | C8 | 1 | **820-139VB16X-C8** | 80.00 | 45.80 | 15.00 | 133.00 | 104.00 | 80 | 6.390 | 1 | VBMT 16 04 08 |
| 98.00 | 189.60 | 16 | C6 | 1 | **820-189VB16X-C6** | 63.00 | 45.80 | 15.00 | 121.00 | 104.00 | 80 | 6.210 | 1 | VBMT 16 04 08 |
| 98.00 | 189.60 | 16 | C8 | 1 | **820-189VB16X-C8** | 80.00 | 45.80 | 15.00 | 133.00 | 104.00 | 80 | 7.620 | 1 | VBMT 16 04 08 |
| 148.00 | 239.60 | 16 | C8 | 1 | **820-239VB16X-C8** | 80.00 | 45.80 | 15.00 | 133.00 | 104.00 | 80 | 8.820 | 1 | VBMT 16 04 08 |
| 198.00 | 289.60 | 16 | C8 | 1 | **820-289VB16X-C8** | 80.00 | 45.80 | 15.00 | 133.00 | 104.00 | 80 | 9.860 | 1 | VBMT 16 04 08 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

L2 N23 N15

# Torneado con interpolación

## Tornear lo intorneable

J

### Aplicación

El torneado con interpolación es un nuevo método de torneado flexible desarrollado para centros de mecanizado avanzados y máquinas multitarea con eje B.

### Área de aplicación ISO

P M K N S H



K

### Ventajas y características

- Solución flexible que permite utilizar centros de mecanizado con reglajes de herramientas modulares en lugar de máquinas de mandrinado específicas con cabezas de refrentado en el eje U o W
- El componente puede mecanizarse completamente sin necesidad de moverlo, lo cual es especialmente bueno para componentes grandes asimétricos
- Menor coste de inversión en herramientas
- CoroBore® XL integrado: sistema rígido y fiable que ofrece una máxima estabilidad para la creación de conjuntos en diferentes aplicaciones (mandrinado en desbaste, mandrinado de precisión, ranurado frontal, spiro grooving y torneado con interpolación)

L

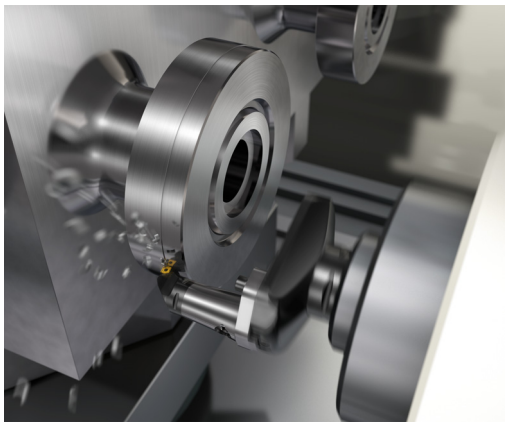
### Herramientas

- Coromant Capto®

### Plaquitas

- CoroTurn® 107

M



La pieza puede mecanizarse de principio a fin sin necesidad de moverla, lo cual es especialmente bueno para piezas grandes no simétricas

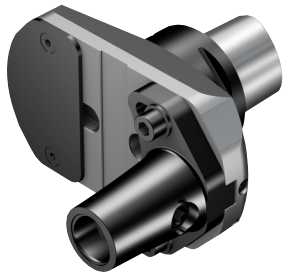
N

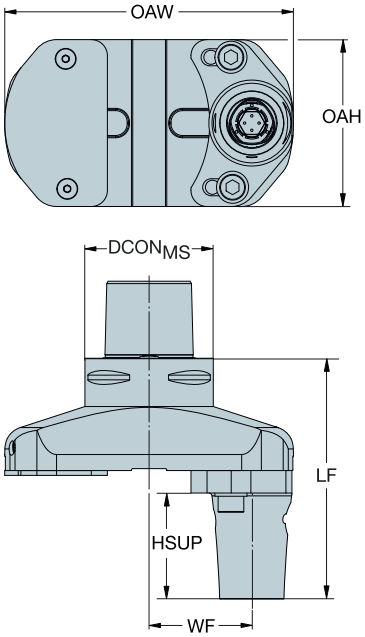
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# Adaptador ajustable Coromant Capto® con cambio rápido

**Para torneado con interpolación**

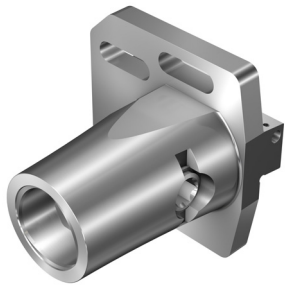
**Suministro de refrigerante interior**

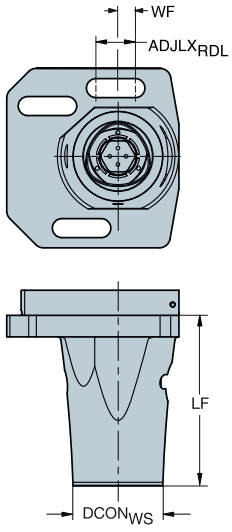





| | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | $ADJLX_{RDL}$ | LF | WF | OAH | OAW | BAR | KG |
| C8 | C4 | 3 | **820-100C4-QC-C8** | 80.00 | 40.00 | 26.00 | 150.00 | 51.00 | 104.00 | 180.00 | 70 | 7.090 |
| C8 | C4 | 3 | **820-150C4-QC-C8** | 80.00 | 40.00 | 51.00 | 150.00 | 51.00 | 104.00 | 230.00 | 70 | 9.430 |
| C8 | C4 | 3 | **820-50C4-QC-C8** | 80.00 | 40.00 | 13.50 | 150.00 | 38.50 | 104.00 | 130.00 | 70 | 5.860 |

# Corredera para CoroBore® XL






| | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | **Código de pedido** | $DCON_{WS}$ | $ADJLX_{RDL}$ | LF | WF | OAH | OAW | BAR | KG |
| S24R | C5 | 4 | **S24-R820XLC5QC-095** | 50.00 | 22.00 | 95.00 | 9.75 | 100.00 | 96.00 | 70 | 2.350 |

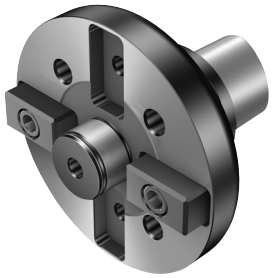
Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es

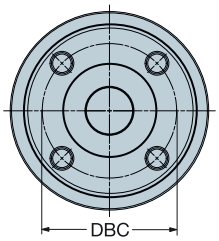
Para ver plaquitas y cabezas de corte, consulte el Catálogo de herramientas de torneado.

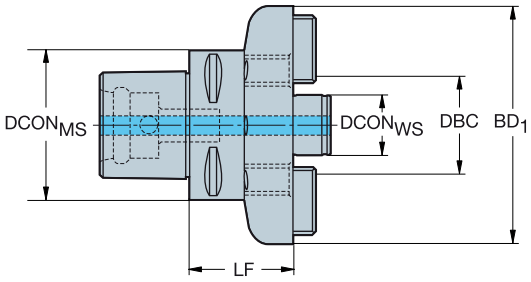
L2 N23 N15

# Coromant Capto® a CoroBore® XL, adaptador

**Suministro de refrigerante interior**



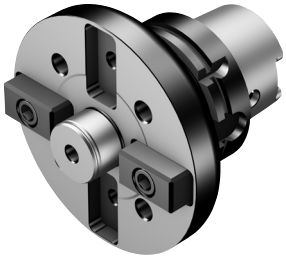


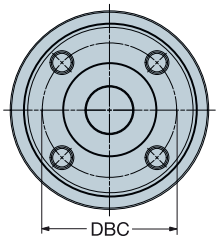



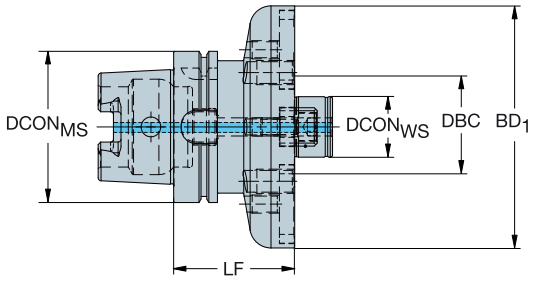

| | | | | | Dimensiones, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | DBC | $DCON_{WS}$ | LF | $BD_1$ | BAR | KG |
| C8 | 40X | 1 | 1 | **C8-391.XL-40 065** | 80.0 | 101.6 | 40.0 | 65.0 | 160.0 | 80 | 7.09 |
| C10 | 40X | 1 | 1 | **C10-391.XL-40 070** | 100.0 | 101.6 | 40.0 | 70.0 | 160.0 | 80 | 8.67 |

# HSK a CoroBore® XL, adaptador

**Suministro de refrigerante interior**





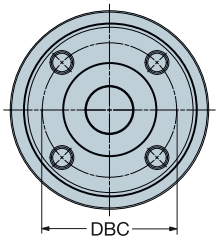



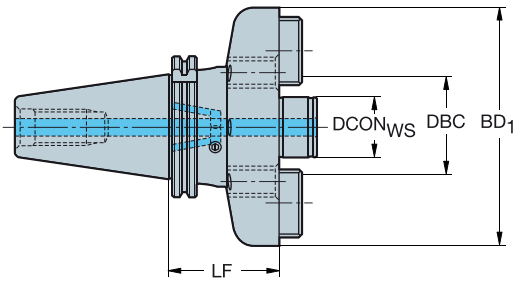

| | | | | | | Dimensiones, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | DBC | $DCON_{WS}$ | LF | $BD_1$ | BAR | KG |
| 100 | 40X | 1 | 1 | 1 | **392.410XL-10040 080** | 100.0 | 101.6 | 40.0 | 80.0 | 160.0 | 80 | 8.16 |

# ISO 7388-1 a CoroBore® XL, adaptador

**Suministro de refrigerante interior**






**ISO7388.1/MAS-BT 403**

| | | | | | | Dimensiones, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | DBC | $DCON_{WS}$ | LF | $LB_1$ | $BD_1$ | BAR | KG |
| 50 | 40X | 7 | 1 | 1 | **392.644XL-5040 075** | 101.6 | 40.0 | 75.0 | 75.0 | 160.0 | 80 | 8.46 |
| | 40X | 7 | 1 | 1 | **392.646XL-5040 080** | 101.6 | 40.0 | 80.0 | 80.0 | 160.0 | 80 | 8.46 |

Todos los soportes enterizos CoroBore XL tienen rectificada la parte posterior de la pestaña y las roscas para poder montar una placa de apoyo, con el fin de aumentar la estabilidad en caso necesario. La placa de apoyo debe pedirse por separado y debe rectificarse para adecuarse a la máquina y al soporte específicos. Consulte la página de accesorios M12.

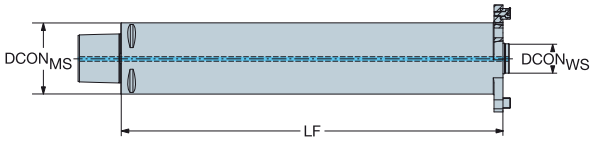
N23 N15

SPA

# Coromant Capto® a CoroBore® XL, cuerpo de herramienta antivibratorio

**Suministro de refrigerante interior**





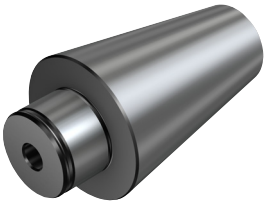

SilentTools®

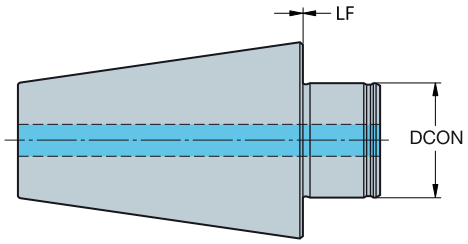
| | | | | Dimensiones, mm | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | BAR | KG |
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | | |
| C8 | 33 | 3 | **C8-R822XLA33-F410** | 80.00 | 33.00 | 410.00 | 70 | 17.800 |
| C10 | 33 | 3 | **C10-R822XLA33-F560** | 100.00 | 33.00 | 560.00 | 70 | 26.400 |

Para obtener información sobre componentes, accesorios y piezas de repuesto para herramientas de mandrinar, visite www.sandvik.coromant.com/es
Consulte la página K27 para ver el kit de herramienta de mandrinado que debe utilizarse con este adaptador.

# Adaptador de centraje

**Suministro de refrigerante interior**






**ISO7388.1/MAS-BT 403**

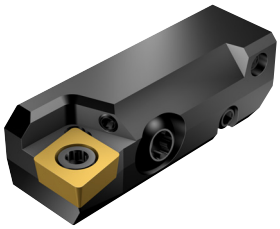
| | | | | | Dimensiones, mm | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | BAR | KG | |
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | LF | | | |
| 50 | 40 plug | 1 | 1 | **392.647XL-5040** | 0.0 | 80 | 8.93 | |

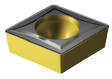
L2 N23 N15

# Cartucho de mandrinado intercambiable

**Ajuste axial y radial**

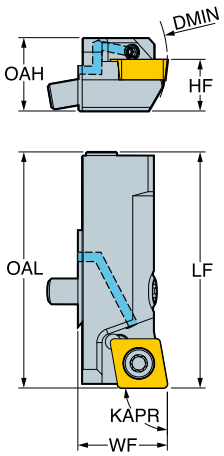
KAPR 90°





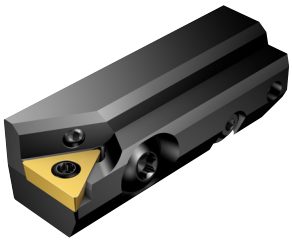
CCMT, CCGT
CCGX, CCET

CCMW




| DMIN1 | | CZCMS | CNSC | Código de pedido | Dimensiones, mm ADJLXAXL | ADJLXRDL | LF | HF | WF | OAH | OAL | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25.0 | 06 | 08CB | 2 | SCFCR08CBX06 | 0.50 | 0.20 | 40.00 | 8.00 | 13.50 | 12.20 | 40.00 | 70 | 0.050 | 1 | CCMT 06 02 04 |
| 40.0 | 09 | 10CB | 2 | SCFCR10CBX09 | 0.50 | 0.20 | 45.00 | 10.00 | 16.50 | 14.20 | 45.00 | 70 | 0.070 | 1 | CCMT 09 T3 08 |
| 50.0 | 12 | 12CB | 2 | SCFCR12CBX12 | 0.50 | 0.20 | 50.00 | 12.00 | 19.00 | 16.20 | 50.00 | 70 | 0.100 | 1 | CCMT 12 04 08 |

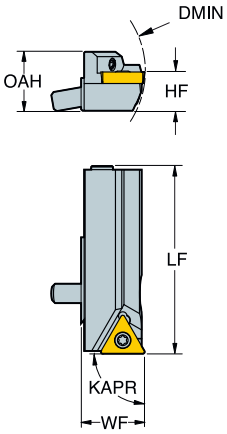
KAPR 90°





TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW




| DMIN1 | | CZCMS | CNSC | Código de pedido | Dimensiones, mm ADJLXAXL | ADJLXRDL | LF | HF | WF | OAH | OAL | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25.0 | 09 | 08CB | 2 | STFCR08CBX09 | 0.50 | 0.20 | 40.00 | 8.00 | 13.50 | 12.20 | 40.00 | 70 | 0.050 | 1 | TCMT 09 02 04 |
| 40.0 | 11 | 10CB | 2 | STFCR10CBX11 | 0.50 | 0.20 | 45.00 | 10.00 | 16.50 | 14.20 | 45.00 | 70 | 0.070 | 1 | TCMT 11 03 04 |
| 50.0 | 16 | 12CB | 2 | STFCR12CBX16 | 0.50 | 0.20 | 50.00 | 12.00 | 19.00 | 16.20 | 50.00 | 70 | 0.100 | 1 | TCMT 16 T3 08 |

Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

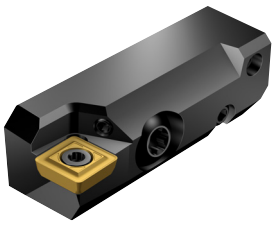
ISO 13399 N23

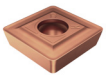
CNSC CXSC N15

# Cartucho de mandrinado intercambiable

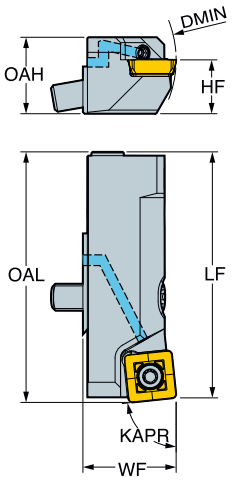
**Ajuste axial y radial**

KAPR 84°





SPMT



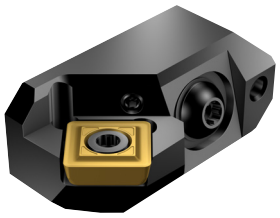

| DMIN$_1$ | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm ADJLX$_{AXL}$ | ADJLX$_{RDL}$ | LF | HF | WF | OAH | OAL | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25.0 | 06 | 08CB | 2 | **SSYPR08CBX06** | 0.50 | 0.20 | 40.00 | 8.00 | 13.50 | 12.20 | 40.60 | 70 | 0.050 | 1 | SPMT 0606-BM |
| 40.0 | 08 | 10CB | 2 | **SSYPR10CBX08** | 0.50 | 0.20 | 45.00 | 10.00 | 16.50 | 14.20 | 45.80 | 70 | 0.070 | 1 | SPMT 0808-BM |
| 50.0 | 12 | 12CB | 2 | **SSYPR12CBX12** | 0.50 | 0.20 | 50.00 | 12.00 | 19.00 | 16.20 | 51.20 | 70 | 0.100 | 1 | SPMT 1210-BM |

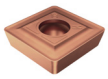
K32 N23 N15

# Cartucho de mandrinado intercambiable

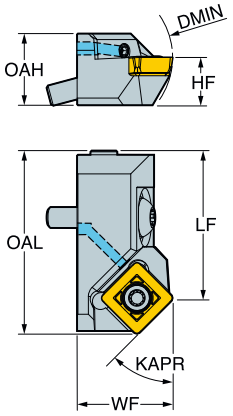
**Ajuste axial**

KAPR 45°



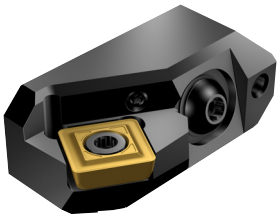


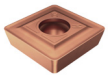
SPMT



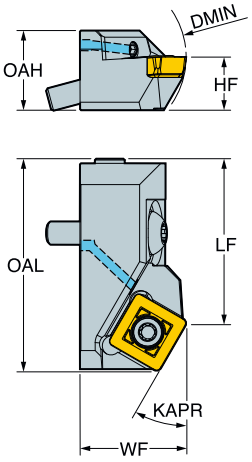

| DMIN1 | | CZCMS | CNSC | Código de pedido | Dimensiones, mm ADJLXAXL | LF | HF | WF | OAH | OAL | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.0 | 06 | 06CC | 2 | **SSSPR06CCX06** | 0.50 | 21.00 | 6.00 | 11.00 | 10.20 | 24.80 | 70 | 0.020 | 1 | SPMT 0606-BM |
| 25.0 | 08 | 08CC | 2 | **SSSPR08CCX08** | 0.50 | 25.00 | 8.00 | 16.00 | 12.20 | 30.70 | 70 | 0.040 | 1 | SPMT 0808-BM |
| 40.0 | 12 | 10CC | 2 | **SSSPR10CCX12** | 0.50 | 32.00 | 10.00 | 21.00 | 14.00 | 40.20 | 70 | 0.070 | 1 | SPMT 1210-BM |

KAPR 30°





SPMT




| DMIN1 | | CZCMS | CNSC | Código de pedido | Dimensiones, mm ADJLXAXL | LF | HF | WF | OAH | OAL | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.0 | 06 | 06CC | 2 | **SSTPR06CCX06** | 0.50 | 21.00 | 6.00 | 11.00 | 10.20 | 25.60 | 70 | 0.020 | 1 | SPMT 0606-BM |
| 25.0 | 08 | 08CC | 2 | **SSTPR08CCX08** | 0.50 | 25.00 | 8.00 | 16.00 | 12.20 | 31.90 | 70 | 0.040 | 1 | SPMT 0808-BM |
| 40.0 | 12 | 10CC | 2 | **SSTPR10CCX12** | 0.50 | 32.00 | 10.00 | 21.00 | 14.20 | 42.00 | 70 | 0.080 | 1 | SPMT 1210-BM |

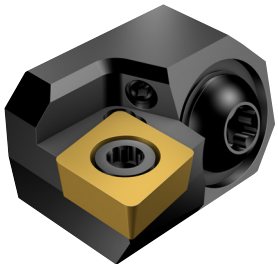
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

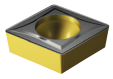
K32 N23 N15

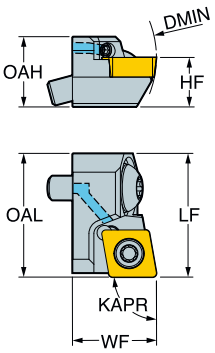
# Cartucho de mandrinado intercambiable

**Sin ajuste**

KAPR 90°





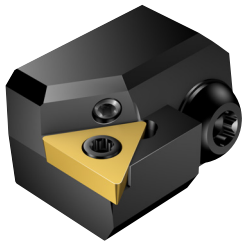



CCMT, CCGT
CCGX, CCET

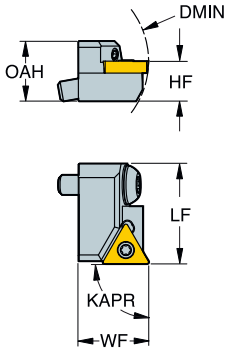
CCMW

| DMIN$_1$ | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm LF | HF | WF | OAH | OAL | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.0 | 06 | 06CD | 2 | **SCFCR06CDX06** | 16.00 | 6.00 | 11.00 | 10.20 | 16.00 | 70 | 0.020 | 1 | CCMT 06 02 04 |
| 25.0 | 06 | 08CD | 2 | **SCFCR08CDX06** | 20.00 | 8.00 | 14.00 | 12.00 | 20.00 | 70 | 0.030 | 1 | CCMT 06 02 04 |
| 40.0 | 09 | 10CD | 2 | **SCFCR10CDX09** | 25.00 | 10.00 | 17.00 | 14.20 | 25.00 | 70 | 0.050 | 1 | CCMT 09 T3 08 |
| 50.0 | 12 | 12CD | 2 | **SCFCR12CDX12** | 30.00 | 12.00 | 20.00 | 16.20 | 30.00 | 70 | 0.070 | 1 | CCMT 12 04 08 |

KAPR 90°








TCMT, TCMX,
TCGT, TCGX
TCEX

TCMW

| DMIN$_1$ | | CZC$_{MS}$ | CNSC | Código de pedido | Dimensiones, mm LF | HF | WF | OAH | OAL | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.0 | 06 | 06CD | 2 | **STFCR06CDX06** | 16.00 | 6.00 | 11.00 | 10.20 | 16.00 | 70 | 0.020 | 1 | TCMT 06 T1 02 |
| 25.0 | 09 | 08CD | 2 | **STFCR08CDX09** | 20.00 | 8.00 | 14.00 | 12.20 | 20.00 | 70 | 0.030 | 1 | TCMT 09 02 04 |
| 40.0 | 11 | 10CD | 2 | **STFCR10CDX11** | 25.00 | 10.00 | 17.00 | 14.20 | 25.00 | 70 | 0.050 | 1 | TCMT 11 03 04 |
| 50.0 | 16 | 12CD | 2 | **STFCR12CDX16** | 30.00 | 12.00 | 20.00 | 16.20 | 30.00 | 70 | 0.070 | 1 | TCMT 16 T3 08 |

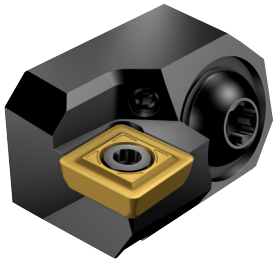
Para obtener más información sobre plaquitas, consulte el Catálogo de herramientas de torneado

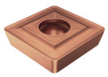
N23 N15

# Cartucho de mandrinado intercambiable

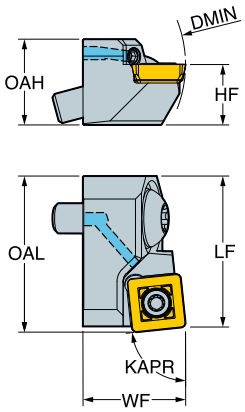
**Sin ajuste**

KAPR 84°







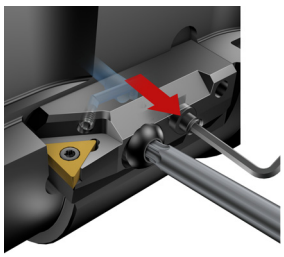



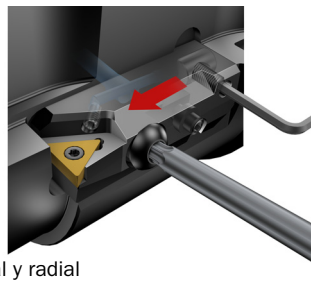

| $DMIN_1$ | | $CZC_{MS}$ | CNSC | Código de pedido | Dimensiones, mm LF | HF | WF | OAH | OAL | BAR | KG | CICT | MIID |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.0 | 06 | 06CD | 2 | **SSYPR06CDX06** | 16.00 | 6.00 | 11.00 | 10.20 | 16.60 | 70 | 0.020 | 1 | SPMT 0606-BM |
| 25.0 | 08 | 08CD | 2 | **SSYPR08CDX08** | 20.00 | 8.00 | 14.00 | 12.20 | 20.80 | 70 | 0.030 | 1 | SPMT 0808-BM |
| 40.0 | 08 | 10CD | 2 | **SSYPR10CDX08** | 25.00 | 10.00 | 17.00 | 14.00 | 25.80 | 70 | 0.050 | 1 | SPMT 0808-BM |
| 50.0 | 12 | 12CD | 2 | **SSYPR12CDX12** | 30.00 | 12.00 | 20.00 | 16.20 | 31.20 | 70 | 0.070 | 1 | SPMT 1210-BM |

K32 N23 N15

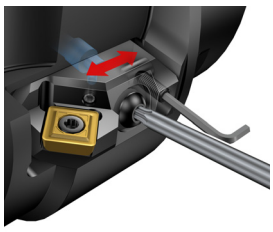
# CoroBore®

## Cartuchos integrados - CB, CC y CD

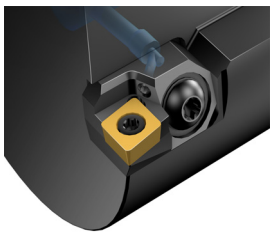




CB: mandrinado con ajuste axial y radial

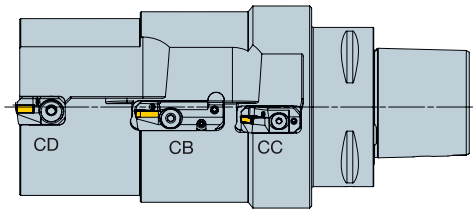


CC: ajuste axial con chaflán



CD: fijo, sin ajuste

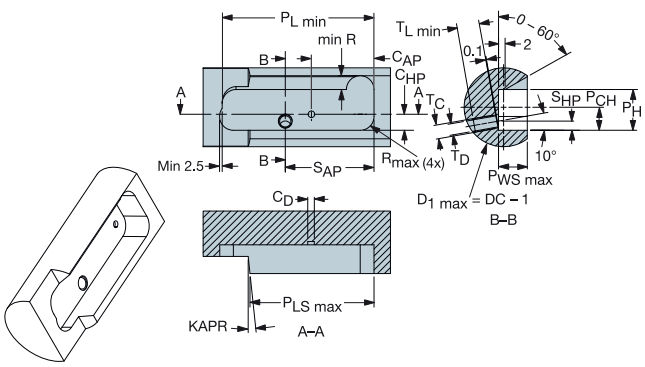




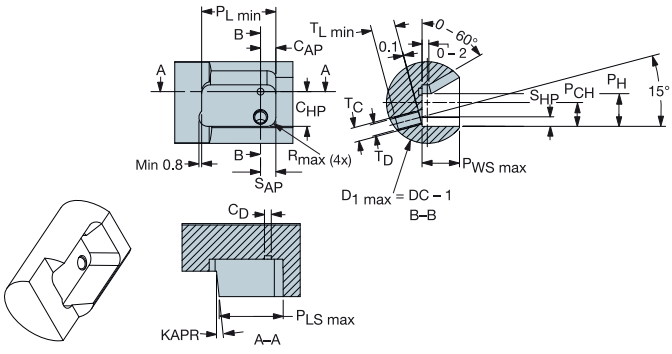

| Tamaño/tipo | Conjunto de sujeción | Par de apriete (Nm) | Tamaño de llave |
|---|---|---|---|
| 06CB | 5519 201-01 | 4.8 | 15IP |
| 10CB | 5519 201-02 | 9.0 | 20IP |
| 12CB | 5519 201-03 | 16.0 | 25IP |
| 06CC | 5519 202-01 | 3.2 | 10IP |
| 08CC | 5519 202-02 | 4.8 | 15IP |
| 10CC | 5519 202-04 | 16.0 | 25IP |
| 06CD | 5519 202-01 | 3.2 | 10IP |
| 08CD | 5519 202-02 | 4.8 | 15IP |
| 10CD | 5519 202-03 | 16.0 | 25IP |
| 12CD | 5519 202-04 | 16.0 | 25IP |

| Parámetro | Descripción |
|---|---|
| $P_L$ min | Longitud mín. de la cavidad |
| $P_{CH}$ | Altura central de la cavidad |
| $P_H$ | Altura de la cavidad |
| $P_{LS}$ max | Longitud máx. de la cavidad para soporte |
| KAPR | Ángulo del filo de corte de la herramienta |
| $P_{WS}$ max | Ancho máx. de la cavidad para soporte |
| $R_{max}$ | Radio máx. |
| $S_{AP}$ | Posición axial del tornillo |
| $S_{HP}$ | Posición de la altura del tornillo |
| $T_D$ | Tamaño de la rosca |
| $T_C$ | Diá. de la rosca |
| $T_L$ min | Longitud mín. de la rosca |
| $C_{AP}$ | Posición axial del refrigerante |
| $C_{HP}$ | Posición de la altura del refrigerante |
| $C_D$ | Diá. del agujero para refrigerante |

### Tipo CB

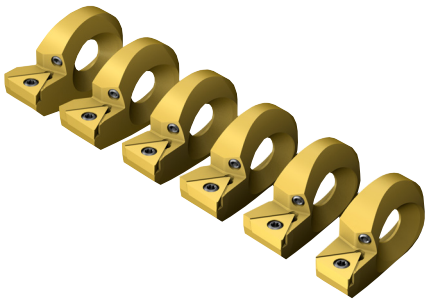


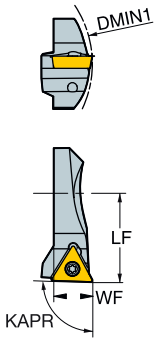

### Tipos CC y CD



# CoroBore® 826 HP

**Juego de cartuchos**






| | Código de pedido | Cartuchos incluidos | WF |
|---|---|---|---|
| Conjunto de tamaño B | 826B-4-TC09U | R826B-AF17STUC09HP | 7.0 |
| | | R826B-BF17STUC09HP | 7.5 |
| | | R826B-CF17STUC09HP | 8.0 |
| | | R826B-DF17STUC09HP | 8.5 |
| Conjunto de tamaño C | 826C-6-TC11U | R826C-AF23STUC11HP | 10.0 |
| | | R826C-BF23STUC11HP | 10.5 |
| | | R826C-CF23STUC11HP | 11.0 |
| | | R826C-DF23STUC11HP | 11.5 |
| | | R826C-EF23STUC11HP | 12.0 |
| | | R826C-FF23STUC11HP | 12.5 |

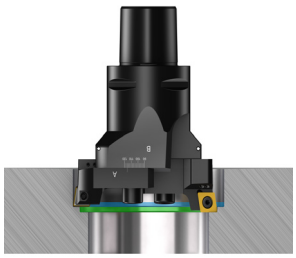
SPA

# CoroBore® BR20

## Operaciones



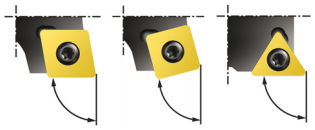
1



2

1. Mandrinado de doble filo
   - Se puede aplicar una mayor velocidad de avance.
2. Mandrinado escalonado de doble filo
   - Se puede aplicar una gran profundidad de corte.
   - Función integrada en la corredera.

## Elección de plaquitas





| | | | | |
|---|---|---|---|---|
| Ángulo de posición<br>Angulo | 90°<br>0° | 84°<br>6° | 90°<br>0° | 84°<br>6° |

**CoroTurn® 107 con sujeción por tornillo**

Para aplicaciones que requieran menores fuerzas de corte

**Sujeción por tornillo CoroBore® 111**

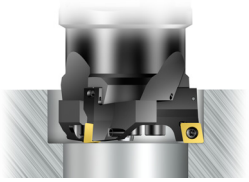
Plaquita específica para mandrinado en desbaste con una selección de calidades optimizadas para P,M,K,S

## Velocidad de corte máxima, $V_c$ máx.:

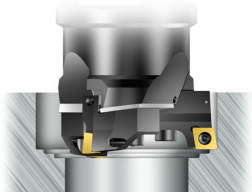
BR20: 1200 m/min
BR20 Antivibratorio: 900 m/min

# CoroBore® BR30

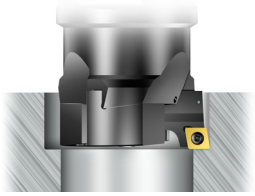
## Operaciones



1



2



3

1. Mandrinado de varios filos
   - Se puede aplicar una mayor velocidad de avance.

2. Mandrinado escalonado con varios filos
   - Se puede aplicar una gran profundidad de corte.
   - Es necesario un conjunto de placa de apoyo que debe pedirse por separado. La dimensión LF- al utilizar el conjunto de placa de apoyo aumenta en 1-2 mm.
   - Pueden combinarse las correderas de R820x-AR... y R820x-BR... con 90° kappa

3. Mandrinado de un solo filo:
   - Es necesario disponer de dos tapas que deben pedirse por separado.

**Conjunto de placa de apoyo y tapa - CoroBore® BR30**

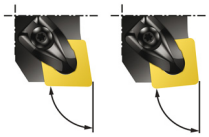
| Tamaño de adaptador | Juego de placas de apoyo | Espesor mm | Cubierta |
|---|---|---|---|
| A | R820A-AS00B | 0.5+1 | R820A-AC10B |
| B | R820B-AS00B | 0.5+1 | R820B-AC11B |
| C | R820C-AS00B | 0.5+1 | R820C-AC15B |
| D | R820D-AS00B | 0.5+1 | R820D-AC17A |
| E | R820E-AS00B | 0.8+1.6 | R820E-AC20A |
| F | R820F-AS00B | 0.8+1.6 | R820F-AC22A |
| G | R820G-AS00B | 0.8+1.6 | R820G-AC22A |
| H | R820H-AS00B | 1+2 | R820H-BC24A |

**Velocidad de corte máxima, Vc máx.: Convencional: Vc 1200 m/min**

## Elección de plaquitas







| Ángulo de posición<br>Angulo | 90°<br>0° | 84°<br>6° | 90°<br>0° | 84°<br>6° |
|---|---|---|---|---|

**CoroTurn® 107 con sujeción por tornillo**

Para aplicaciones que requieran menores fuerzas de corte

**Sujeción por tornillo CoroBore® 111**

Plaquita específica para mandrinado en desbaste con una selección de calidades optimizadas para P,M,K,S

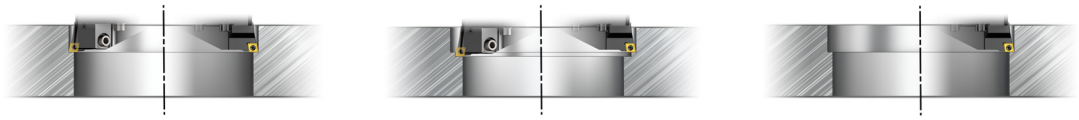
**T-Max® P, CoroTurn® RC sujeción rígida**

Para una máxima economía en plaquitas, o para aplicaciones que requieran plaquitas resistentes en condiciones estables

SPA

# CoroBore® 820 XL

## Operaciones



1 2 3

1. Mandrinado de doble filo
   - Se puede aplicar una mayor velocidad de avance.

2. Mandrinado escalonado de doble filo
   - Permite aplicar grandes profundidades de corte
   - Cartuchos axialmente ajustables +1.5 mm
   - En el mandrinado escalonado, deben utilizarse cartuchos con ángulo de posición (ángulo de inclinación) de 90° (0°) kappa

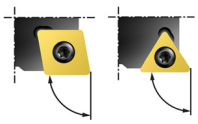
3. Mandrinado de un solo filo:
   - Ajuste el filo no utilizado a un diámetro de menor tamaño y utilícelo como contrapeso.

**Portaherramientas para CoroBore XL, diámetro de 150–1275 mm**

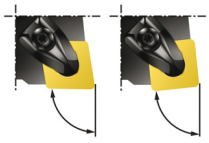
Debe comprarse por separado. Adaptadores disponibles: C8, C10, HSK-A 100, HSK-A 125, CAT-V 50, ISO 7388/1 50, MAS BT 50

**Velocidad de corte máxima, $V_c$ máx.: Convencional: 1200 m/min, Peso ligero: 600 m/min**

## Elección de plaquitas







| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Ángulo de posición | 90° | 90° | | 90° | 84° | 90° | 84° |
| Angulo | 0° | 0° | | 0° | 6° | 0° | 6° |

**CoroTurn® 107 con sujeción por tornillo**

- Para aplicaciones que requieran menores fuerzas de corte

**Sujeción por tornillo CoroBore® 111**

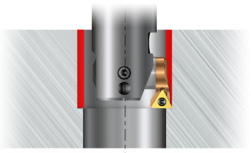
- Plaquita específica para mandrinado en desbaste con una selección de calidades optimizadas para P,M,K,S

**T-Max® P, CoroTurn® RC sujeción rígida**

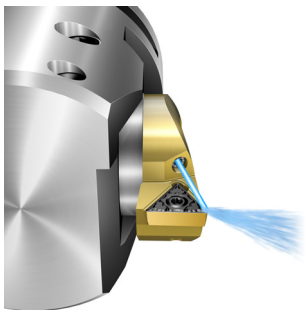
- Para una máxima economía en plaquitas, o para aplicaciones que requieran plaquitas resistentes en condiciones estables

# CoroBore® 826 HP

## Operaciones



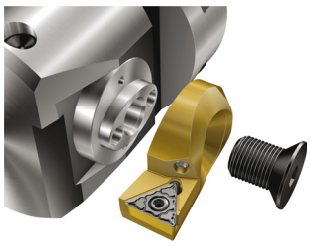
Mandrinado



- Utilice refrigerante de gran precisión para garantizar una rotura de la viruta optimizada



- ¡Sentir las micras! Cada incremento del diámetro de 0.002 mm puede sentirse a través de un clic

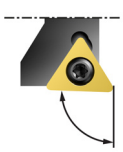


- Comparado con el cartucho CB825, el cartucho CB826 está girado 90 grados

Velocidad de corte máxima, $V_c$ máx.: $V_c$ 1200 m/min

## Elección de plaquitas

### Plaquitas CoroTurn® 107



| | |
|---|---|
| Ángulo de posición | 92° |
| Angulo | -2° |



CoroTurn® 107:
TC.. 1103

SPA

# CoroBore® 825

## Operaciones



Mandrinado



Mandrinado a tracción

**Convencional:**

La restricción geométrica (LU) solo es válida cuando el diámetro de mandrinado (DC) es inferior al diámetro del acoplamiento ($DCON_{MS}$). La máx. profundidad de agujero recomendada (para mandrinado convencional) cuando el diámetro de mandrinado (DC) es superior al diámetro del acoplamiento ($DCON_{MS}$).

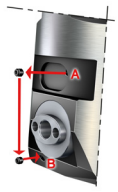
**CoroBore® 825 EH:**

La posición del filo único será correcta al utilizar portaherramientas cilíndricos o cónicos EH (disponibles en acero, metal duro, metal pesado) porque permiten girar el conjunto en el adaptador portapinzas (utilizando CoroChuck 930, de ajuste contracción térmica, portapinzas) para encontrar la posición de corte del filo único.

### Mandrinado a tracción con CoroBore® 825 (Convencional)

1. Retire el tornillo del conducto de refrigerante A y atorníllelo en el conducto de refrigerante B.
2. Apriete A (si se utiliza) + B + C al par correcto.
3. Cambie la dirección del husillo al sentido contrario a las agujas del reloj (M04).

1.




2.




| Diámetro mm | Corredera de extensión | Espesor mm | Extensión del diámetro mm |
|---|---|---|---|
| 19-36 | 825A-030A | 3 | +6 |
| 35-56 | 825B-036A | 3.6 | +7.2 |
| 55-1275 | 825C-048A | 4.8 | +9.6 |

### Mandrinado a tracción para CoroBore® 825D (Antivibratorio)



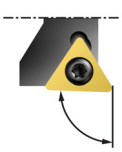
| Gama de diámetros, mandrinado convencional, mm | Gama de diámetros, mandrinado a tracción, mm | Kit de cartucho de mandrinado a tracción (Cartucho 1 ud., extensión de corredera 1 ud.) | Cartucho de mandrinado a tracción | Corredera de extensión |
|---|---|---|---|---|
| 19-36 | 31-48 | 825A-TC06U-BW | L825A-AF11STUC06T1 | 825A-030A |
| 35-56 | 48-69 | 825B-TC06U-BW | L825B-AF15STUC06T1 | 825B-036A |
| 55-167 | 69-181 | 825C-TC09U-BW | L825C-AF20STUC0902 | 825C-048A |

Todos los kits de mandrinado a tracción incluyen 1 extensión de corredera y 1 cartucho de mandrinado a tracción. Tenga en cuenta que los diámetros de mandrinado a tracción son diferentes a los del mandrinado convencional. Consulte la tabla informativa para ver las gamas de diámetros correctas.

Velocidad de corte máxima, $V_c$ máx.: **Convencional:** $V_c$ 1200 m/min, **Peso ligero:** Vc 600 m/min **Antivibratorio:** $V_c$ 900m/min

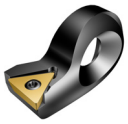
## Elección de plaquitas

### Plaquitas CoroTurn® 107

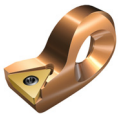




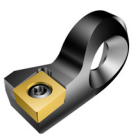
| | | |
|---|---|---|
| Ángulo de posición | 92° | 95° |
| Angulo | -2° | -5° |



CoroTurn® 107:
TC.. 06, 09
(TC.. 1.2, 1.8)



CoroTurn® 107:
TC.. 1103



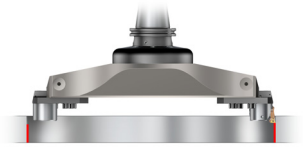
CoroTurn® 107:
CCMT 09
(CCMT3 (2.5))



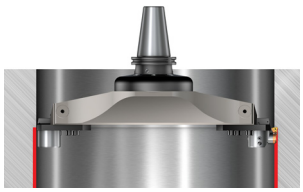
CoroTurn® 111

# CoroBore® 825 XL/CoroBore® 826 XL

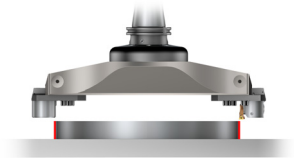
## Operaciones



Mandrinado



Mandrinado a tracción



Operaciones exteriores

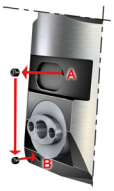
**Portaherramientas para CoroBore XL**

Debe comprarse por separado. Adaptadores disponibles: C8, C10, HSK-A 100, HSK-A 125, CAT-V 50, ISO 7388/1 50, MAS BT 50

**Mandrinado a tracción (no válido para CoroBore® 826HP y 825 SL)**

1. Retire el tornillo del conducto de refrigerante A y atorníllelo en el conducto de refrigerante B.
2. Apriete A (si se utiliza) + B + C al par correcto.
3. Cambie la dirección del husillo al sentido contrario a las agujas del reloj (M04).

1.




2.




| Diámetro mm | Corredera de extensión (A) | Espesor mm | Extensión del diámetro mm |
|---|---|---|---|
| 55-1275 | 825C-048A | +4.8 | +9.6 |

**Velocidad de corte máxima, $V_c$ máx.:**

**Convencional: $V_c$ 1200 m/min. Peso ligero: Vc 600 m/min. Antivibratorio: $V_c$ 600 m/min**

## Elección de plaquitas

**Plaquitas CoroTurn® 107**





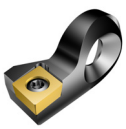
| | | |
|---|---|---|
| Ángulo de posición | 92° | 95° |
| Angulo | -2° | -5° |



CoroTurn® 107
TCMT1103
(TCMT 22)



CoroTurn® 107:
TC.. 1103



CoroTurn® 107:
CCMT 09
(CCMT3 (2.5))

SPA

## Recomendaciones iniciales

- La velocidad de corte deberá reducirse al trabajar con grandes voladizos. Pero pueden utilizarse herramientas antivibratorias Silent Tools para alcanzar mayores velocidades de corte con determinados voladizos.

### Mandrinado en desbaste

- Para garantizar una buena evacuación de la viruta y un proceso estable y seguro en la operación de mandrinado en desbaste, el valor inicial recomendado de velocidad de corte es 200 m/min.

| **CoroBore® 111** | | Avance ($f_n$) mm/r | | | Profundidad de corte ($a_p$), mm | | | Velocidad de corte ($V_c$) m/min | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Calidad | Código de pedido | Mín. | Máx. | Rec | Mín. | Máx. | Rec | Mín. | Máx. | Rec |
| **4325** | SPMT0606-BR | 0.10 | 0.25 | 0.20 | 0.6 | 4.5 | 2.0 | 365 | 460 | 395 |
| | SPMT0808-BR | 0.15 | 0.35 | 0.20 | 0.8 | 6.5 | 2.5 | 325 | 425 | 395 |
| | SPMT1212-BR | 0.15 | 0.40 | 0.25 | 1.2 | 9.0 | 3.0 | 305 | 425 | 365 |
| | SPMT1812-BR | 0.20 | 0.40 | 0.30 | 1.2 | 12.0 | 3.8 | 305 | 395 | 345 |
| **2025** | SPMT0606-BM | 0.10 | 0.15 | 0.10 | 0.6 | 4.5 | 1.8 | 260 | 265 | 265 |
| | SPMT0808-BM | 0.10 | 0.25 | 0.20 | 0.8 | 6.5 | 2.2 | 225 | 265 | 240 |
| | SPMT1210-BM | 0.10 | 0.30 | 0.20 | 1.0 | 9.0 | 2.5 | 205 | 265 | 240 |
| | SPMT1810-BM | 0.20 | 0.30 | 0.25 | 1.0 | 12.0 | 3.0 | 205 | 240 | 225 |
| **3210** | SPMT0606-BR | 0.15 | 0.30 | 0.25 | 0.6 | 4.5 | 2.0 | 285 | 330 | 300 |
| | SPMT0808-BR | 0.20 | 0.50 | 0.30 | 0.8 | 6.5 | 2.5 | 235 | 315 | 285 |
| | SPMT1212-BR | 0.20 | 0.50 | 0.30 | 1.2 | 9.0 | 3.0 | 235 | 315 | 285 |
| | SPMT1812-BR | 0.25 | 0.50 | 0.30 | 1.2 | 12.0 | 3.8 | 235 | 300 | 285 |
| **1145** | SPMT0606-BM | 0.10 | 0.15 | 0.10 | 0.6 | 4.5 | 1.8 | 15 | 20 | 20 |
| | SPMT0808-BM | 0.10 | 0.15 | 0.10 | 0.8 | 6.5 | 2.2 | 15 | 20 | 20 |
| | SPMT1210-BM | 0.10 | 0.20 | 0.15 | 1.0 | 9.0 | 2.5 | 10 | 20 | 15 |
| | SPMT1810-BM | 0.10 | 0.20 | 0.15 | 1.0 | 12.0 | 3.0 | 10 | 20 | 15 |

### Mandrinado de precisión

- Para garantizar una buena evacuación de la viruta y un proceso estable y seguro en la operación de mandrinado de precisión, el valor inicial recomendado de velocidad de corte es 240 m/min.
- El valor inicial recomendado de velocidad de corte para la cabeza de mandrinar 391.37A con barras de acero o metal duro con plaquitas es de 90-120 m/min (utilice unos valores más bajos para barras de acero largas). El valor inicial recomendado para barras de metal duro rectificadas es 60 m/min.
- Consulte la siguiente tabla para seleccionar la geometría y la calidad en función de su aplicación de mandrinado de precisión.
- La profundidad de corte máxima recomendada para el mandrinado de precisión es de 0.5 mm. Si la herramienta se ajusta al mínimo diámetro posible, la evacuación de la viruta resultará más compleja y podría ser necesario reducir la profundidad de corte.
- El avance máximo en operaciones de mandrinado de precisión está limitado por el acabado superficial deseado. Como consecuencia, la posibilidad de influir en la formación de la viruta es limitada. Al utilizar una plaquita wiper, puede conservarse el acabado superficial aplicando mayores avances. No obstante, las plaquitas wiper ejercen una mayor presión radial, lo cual aumenta el riesgo de inestabilizar el proceso.

Estas recomendaciones iniciales son generales. Para ver información más detallada, visite CoroPlus ToolGuide en www.sandvik.coromant.com/es

| Mandrinado de precisión | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AP | Radio de punta | Avance máx. para la superficie requerida | | Material | | | | | | | | |
| | | Ra 1.6 | Ra 0.8 | P | | M | | K | N | S (níquel) | | S (titanio) |
| 0.1-0.15 | 02 | 0.08 | 0.05 | PF 5015 | L-K 1515 | MF-1115 | L-K 1515 | PF 1515 | AL H10 | MF 1115 | L-K 1115 | AL H10 |
| 0.15-0.3 | 04 | 0.12 | 0.07 | PF 5015 | L-K 1515 | MF 2015 | L-K 1515 | PF 4215 | AL H10 | MF 1115 | L-K 1115 | AL H10 |
| 0.3-0.5 | 08 | 0.15 | 0.10 | PF 5015 | | MF 2015 | | PF 4215 | AL H10 | MF 1115 | L-K 1115 | AL H10 |

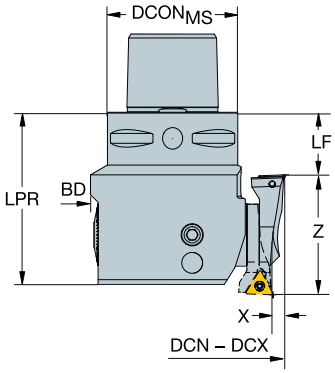
### Ranurado frontal

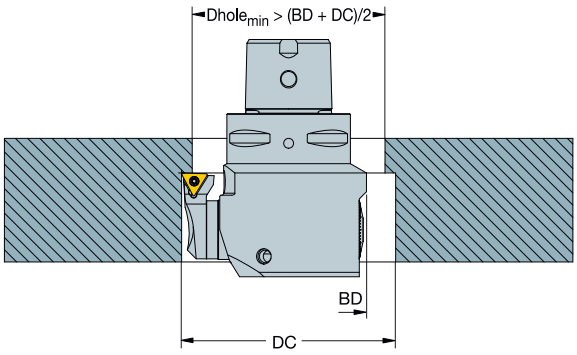
La primera elección es el sistema de plaquita CoroCut de 2 filos.
Utilice la geometría -TF para avance reducido, la geometría -CM para avance medio y la geometría -RM para ranurado frontal radial inferior.
Las geometrías -TF y -CM son geometrías positivas que eliminan el riesgo del filo de aportación. La geometría -TF ofrece un buen control de la viruta y genera un acabado superficial de gran calidad gracias al diseño wiper. La -GF permite seleccionar mayores anchuras.
Dependiendo del radio de punta seleccionado:
- Elija -CM para un menor radio de punta (0.2)
- Elija -TF para un mayor radio de punta (>0.3)
- Avance inicial recomendado: 0.15 mm/rev
- Si se requieren ranuras de tolerancia más estrecha, elija -GF
- Avance inicial recomendado: 0.10 mm/rev

Para mejorar el control de la viruta:
- incremente la velocidad de avance
- incremente la velocidad de corte

# Mandrinado a tracción con CoroBore® 825 (Convencional)






| Tamaño de cartucho | Z (mm) | X (mm) |
|---|---|---|
| A | 22 | 3.0 |
| B | 34 | 3.6 |
| C | 46 | 4.8 |

### Mandrinado a tracción para CoroBore® 825

En el mandrinado a tracción, LF se reducirá en dos LF del cartucho. Es decir:
- LF – 22 mm para el tamaño A (p. ej. R825A-AF**11**STUC06T1A)
- LF – 34 mm para el tamaño B (p. ej. R825B-AF**17**STUC0902A)
- LF – 46 mm para el tamaño C (p. ej. R825C-AF**23**STUC1103A)
- Aviso: cambie la dirección de giro -> a izquierda.

DC se incrementará en dos WF de la extensión de la corredera. Es decir:
- 2 x 3.0 = 6.0 mm para el tamaño A (825A-**030**A)
- 2 x 3.6 = 7.2 mm para el tamaño B (825B-**036**A)
- 2 x 4.8 = 9.6 mm para el tamaño C (825C-**048**A)
- Cálculo de diámetro de agujero mínimo posible: Dhole$_{min}$ = (BD+DC)/2+1

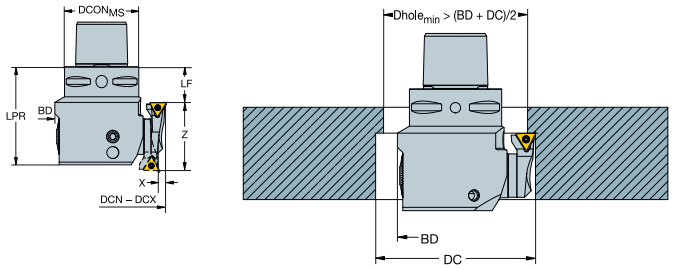
### Mandrinado a tracción para CoroBore® 825XL

En el mandrinado a tracción, LF se reducirá en dos LF del cartucho. Es decir:
- LF – 46 mm para el tamaño C (p. ej. R825C-AF**23**STUC1103A)
- Aviso: cambie la dirección de giro -> a izquierda.

DC se incrementará en dos WF de la extensión de la corredera. Es decir:
- 2 x 4.8 = 9.6 mm para el tamaño C (825C-**048**A)
- Cálculo de diámetro de agujero mínimo posible: Dhole$_{min}$>(DC+DC-26)/2

Además, es necesario ajustar la cabeza de mandrinado de precisión A34 al máximo.
Ejemplo: Gama de diámetros para 825-215TC11-C6
- **DCN (mandrinado a tracción)** = (DCN(frontal))+(2x recorrido A34-R825)+ (2x extensión de corredera) = 148 mm + 15 mm + 9,6 mm = **172,6 mm**
- **DCX (mandrinado a tracción)**= (DCX(frontal))+ (2x extensión de corredera) = 215 mm +9,6 mm = **224,6 mm**

# Mandrinado a tracción para CoroBore® 825D (Antivibratorio)




| | Cartucho | | | | Corredera de extensión | | |
|---|---|---|---|---|---|---|---|
| Tamaño | LF<br>Convencional | WF<br>Convencional | LF<br>A tracción | WF<br>A tracción | WF | X | Z |
| A | 11 | 5 | 11 | 8.0 | 3.0 | 6.0 | 22 |
| B | 17 | 7 | 15 | 9.9 | 3.6 | 6.5 | 32 |
| C | 23 | 10 | 20 | 12.2 | 4.8 | 7.0 | 43 |

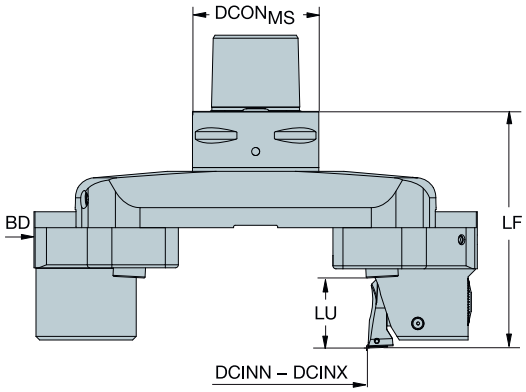
### Mandrinado a tracción para CoroBore® 825D

En el caso del mandrinado a tracción, a LF se le restará LF convencional + LF a tracción. Es decir:
- LF – 22 mm para el tamaño A
- LF – 32 mm para el tamaño B
- LF – 43 mm para el tamaño C
- Precaución: ¡la dirección de giro seguirá siendo a derecha!

DC incrementará el doble de WF de la extensión de corredera - WF convencional + WF a tracción. Es decir:
- DC + 2 x (3.0 - 5.0 + 8.0) = 12.0 mm para el tamaño A
- DC + 2 x (3.6 - 7.0 + 9.9) = 13.0 mm para el tamaño B
- DC + 2 x (4.8 - 10.0 + 12.2) = 14.0 mm para el tamaño C
- Cálculo del diámetro del agujero mínimo posible: $Dagujero_{mín}$ = (BD+DC)/2+1

Nota: el mandrinado a tracción sólo es válido para CoroBore® 825D y no para CoroBore® 825D XL o CoroBore® 825

# Mandrinado exterior




### Exterior para CoroBore® 825XL

En el mandrinado exterior, LF será igual.
Ejemplo: Gama de diámetros para 825-215TC11-C6

- **DCN (exterior)** = DCN(frontal)-(2x DMIN A34-R825)-(2x recorrido A34-R825) = 148 mm-110 mm-15 mm = **23 mm**
- **DCX (exterior)** = DCX(frontal)-(2x DMIN A34-R825)-(2x recorrido A34-R825) = 215 mm- 110 mm -15 mm = **90 mm**
- Aviso: cambie la dirección de giro -> a izquierda.

La longitud útil para el mandrinado exterior en diámetros de 23 mm a 190 mm (Mandrinado frontal: 148 mm a 315 mm) es 34 mm. La longitud útil para el mandrinado exterior en diámetros de 173 mm a 1150 mm (Mandrinado frontal: 298 mm a 1275 mm) es 28 mm.

### Mandrinado exterior para CoroBore® 826XL

En el mandrinado exterior, LF será igual.
Ejemplo: Gama de diámetros para 826-200TC11-C6

- **DCN (exterior)**= DCN(frontal)-(2xDMIN A34-R825) = 148 mm-110 mm = **38 mm**
- **DCX (exterior)** = DCX(frontal)-(2xDMIN A34-R825) = 200 mm- 110 mm = **90 mm**
- Aviso: cambie la dirección de giro -> a izquierda.

La longitud útil para el mandrinado exterior en diámetros de 38 mm a 190 mm (Mandrinado frontal: 148 mm a 300 mm) es 34 mm. La longitud útil para el mandrinado exterior en diámetros de 188 mm a 1150 mm (Mandrinado frontal: 298 mm a 1260 mm) es 28 mm.

# Par de apriete

## Coromant Capto®

| Tamaño Coromant Capto® | NM |
|---|---|
| C3 | 40-50 |
| C4 | 50-60 |
| C5 | 90-100 |
| C6-C8 | 160-180 |
| C10 | 380 |

## Acoplamiento EH

| Tamaño | NM |
|---|---|
| 16 | 30 |
| 20 | 50 |
| 25 | 65 |

## Tornillo de plaquita

| Plaquita | NM |
|---|---|
| TC05 / TC06 / TP06 | 0.6 |
| TC09 / TP09 / SP06 | 0.8 |
| TC1103 / TP1103 / CC06 | 0.9 |
| SP08 | 1.7 |
| SP12 | 2 |
| CC09 / CC12 / SC09 / SC12 / TC16 / TC22 / SP18 | 3 |
| CN12 / SN12 | 3.9 |
| CN16 / SN15 | 6.4 |

## CoroBore® BR10

| Tamaño | DCN mm | DCX mm | Par de apriete para la corredera NM | Tamaño del tornillo |
|---|---|---|---|---|
| A | 32 | 38 | 4.8 | M4 |
| B | 37 | 45 | 4.8 | M4 |
| C | 44 | 54 | 9 | M5 |
| D | 53 | 65 | 16 | M6 |
| DX | 64 | 76 | 16 | M6 |
| E | 75 | 91 | 38 | M8 |
| F | 90 | 110 | 75 | M10 |
| G | 109 | 136 | 75 | M10 |
| H | 135 | 170 | 75 | M10 |

## CoroBore® BR20

| Tamaño | DCN mm | DCX mm | Par de apriete para la corredera NM | Tamaño del tornillo |
|---|---|---|---|---|
| A | 23 | 29 | 4.8 | M4 |
| B | 28 | 36 | 4.8 | M4 |
| C | 35 | 45 | 9 | M5 |
| D | 44 | 56 | 16 | M6 |
| E | 55 | 71 | 38 | M8 |
| F | 70 | 90 | 75 | M10 |
| G | 89 | 116 | 75 | M10 |
| H | 115 | 150 | 75 | M10 |

## CoroBore® BR30

| Tamaño | DCN mm | DCX mm | Par de apriete para la corredera NM | Tamaño del tornillo |
|---|---|---|---|---|
| A | 35 | 45 | 4.8 | M4 |
| B | 44 | 56 | 9 | M5 |
| C | 55 | 70 | 16 | M6 |
| D | 69 | 87 | 16 | M6 |
| E | 86 | 107 | 38 | M8 |
| F | 106 | 137 | 75 | M10 |
| G | 136 | 167 | 75 | M10 |
| H | 166 | 214 | 75; 120 | M10; M12 |

# Par de apriete

### CoroBore® 820 XL / 820L XL

| Gama de diámetros, mm<br>148-300 | NM | Tamaño del tornillo |
|---|---|---|
| Puente | 100 | M12 |
| Corredera | 60 | M10 |
| Cartucho | 60 | M10 |

### CoroBore® 820 XL

| Gama de diámetros, mm<br>298-1260 | NM | Tamaño del tornillo |
|---|---|---|
| Puente | 200 | M16 |
| Extensión del puente | 100 | M12 |
| Corredera | 60 | M10 |
| Cartucho | 60 | M10 |

### CoroBore® 825 XL / 826 XL / 825D XL / 826D XL / 825L XL / 826L XL

| Gama de diámetros, mm<br>825: 148-315<br>826: 148-300 | NM | Tamaño del tornillo |
|---|---|---|
| Puente | 100 | M12 |
| Corredera | 60 | M10 |
| Contrapeso | 60 | M10 |
| Cabeza para mandrinado de precisión | 14 | M6 |
| Tornillo de bloqueo CB825 | 6 | M8 |
| Tornillo de bloqueo CB826HP | 8 | M8 |
| Tornillo para cartucho | 6 | M8 |

### CoroBore® 825 XL / 826 XL

| Gama de diámetros, mm<br>825: 298-1275<br>826: 298-1260 | NM | Tamaño del tornillo |
|---|---|---|
| Puente | 200 | M16 |
| Extensión del puente | 100 | M12 |
| Corredera | 60 | M10 |
| Contrapeso | 60 | M10 |
| Cabeza para mandrinado de precisión | 14 | M6 |
| Tornillo de bloqueo CB825 | 6 | M8 |
| Tornillo de bloqueo CB826HP | 8 | M8 |
| Tornillo para cartucho | 6 | M8 |

### CoroBore® 825, 825D y 826HP

| | NM | Tamaño del tornillo |
|---|---|---|
| **Tornillo para cartucho** | | |
| R825A... | 1.2 | M3.5 |
| R825B..., R826B... | 3.0 | M5 |
| R825C..., R826C... | 6.0 | M8 |
| | | |
| **Tornillo de bloqueo** | | |
| ...R825A-xA18/...R825A-xAA | 0.9 | M4 |
| ...R825A-xAB | 1.2 | M5 |
| ...R825B...;...R826B | 3.0; 4.0 | M6 |
| ...R825C...;...R826C | 6.0; 8.0 | M8 |

### CoroBore® 824 XS

| Gama de diámetros, mm<br>1-20<br>Tornillo de bloqueo/ Barras de mandinar (plaquitas)<br>Tamaño | NM | Tamaño del tornillo |
|---|---|---|
| XS04 | 1.2 | M5 |
| XS06 | 1.2 | M5 |
| XS08 | 3 | M6 |
| XS10 | 3 | M6 |

### CoroBore® 825 SL

| Gama de diámetros, mm<br>47-150 | NM | Tamaño del tornillo |
|---|---|---|
| Cabeza de ranurado frontal (S20) | 14 | M6 |
| Tornillo de bloqueo | 8 | M10 |
| Contrapeso | 8 | M10 |
| Lama | 9 | M5 |

### CoroBore® 825 SL XL

| Gama de diámetros, mm<br>150-1275 | NM | Tamaño del tornillo |
|---|---|---|
| Cabeza de ranurado frontal (A34) | 14 | M6 |
| Tornillo de bloqueo | 12 | M10 |
| Lama | 9 | M5 |

Otros componentes, ver CoroBore® 825

### Cabeza de mandrinado de precisión, 391.37A/ 391.37B

| Diámetro mm | NM | Tamaño del tornillo |
|---|---|---|
| **Tornillo para barra:** | | |
| 12 | 10 | M8 |
| 16 | 10 | M8 |
| 20 | 18 | M10 |
| | | |
| **Tornillo de bloqueo:** | | |
| 12 | 8 | M8 |
| 16 | 8 | M8 |
| 20 | 12 | M10 |

# Adaptadores de herramientas rotativas

## Adaptadores


Coromant Capto® L4-L26

HSK L27-L41

BIG-PLUS® ISO L42-L50

BIG-PLUS® MAS-BT L51-L59

ISO 7388-1 L60-L72

MAS-BT L73-L85

DIN 2080 L86-L88

DIN 2079 L89-L90

Mango cilíndrico L91-L98

Mango Weldon L99-L100

Bridgeport L101-L102

Coromant EH L103-L104

ER L105-L107

Inductor de refrigerante L108


## Adaptadores amortiguados


L109

Coromant Capto® L110-L111

HSK L112

## Adaptadores

| | | Lado de la máquina | | | | | |
|---|---|---|---|---|---|---|---|
| | | **Coromant Capto®** | **HSK** | **BIG-PLUS® ISO** | **BIG-PLUS® MAS-BT** | **ISO 7388-1** | **MAS-BT** |
| **Lado de la pieza** | **Coromant Capto®** | -Extensión<br>-Extensión con cambio rápido<br>-Reducción<br><br>L4-L7<br><br>Inductor de refrigerante L108 | -Adaptador<br>-Cambio rápido<br><br>L28-L30 | -Adaptador<br>-Cambio rápido<br><br>L43 | -Adaptador<br>-Cambio rápido<br><br>L52-L53 | -Adaptador<br>-Cambio rápido<br><br>L61 | -Adaptador<br>-Cambio rápido<br><br>L74-L75 |
| | **Coromant EH** | -Adaptador<br><br>L8-L9 | -Adaptador<br><br>L31 | | | -Adaptador<br><br>L62 | -Adaptador<br><br>L76 |
| | **En eje** | -Adaptador<br>-Con tornillos de transmisión<br>-Fresado lateral y planeado<br><br>L10-L12 | -Adaptador<br>-Con tornillos de transmisión<br><br>L32-L33 | -Adaptador<br><br>L44 | -Adaptador<br><br>L54 | -Adaptador<br>-Con tornillos de transmisión<br>-Fresado lateral y planeado<br><br>L63-L64 | -Adaptador<br>-Con tornillos de transmisión<br>-Fresado lateral y planeado<br><br>L77-L78 |
| | **VL** | -Adaptador<br><br>L13 | -Adaptador<br><br>L33 | -Adaptador<br><br>L45 | -Adaptador<br><br>L55 | -Adaptador<br><br>L65 | -Adaptador<br><br>L80 |
| | **Weldon** | -Adaptador<br><br>L14 | -Adaptador<br><br>L34 | | | -Adaptador<br><br>L66 | -Adaptador<br><br>L79 |
| | **MDI** | -Adaptador<br><br>L15 | -Adaptador<br><br>L35 | | | | |
| | **ISO 9766** | -Adaptador<br><br>L16<br><br>Inductor de refrigerante L108 | -Adaptador<br><br>L36 | | | -Adaptador<br>-Adaptador ajustable<br><br>L67-L68 | -Adaptador<br>-Adaptador ajustable<br><br>L81 |
| | **Weldon/ISO 9766** | -Adaptador<br><br>L17 | | -Adaptador<br><br>L46 | -Adaptador<br><br>L55 | | |
| | **CoroMill® 327** | -Adaptador<br><br>L17 | | | | | |
| | **CoroChuck™ 930** | -Adaptador<br><br>L18-L22 | -Adaptador<br><br>L37-L39 | -Adaptador<br><br>L47 | -Adaptador<br><br>L56 | -Adaptador<br><br>L69 | -Adaptador<br><br>L82-L83 |
| | **Portapinzas de ajuste por contracción térmica** | -Adaptador<br><br>L23 | -Adaptador<br><br>L40 | | | | |
| | **ER** | -Portapinzas<br>-Portabrocas<br><br>L24-L25 | -Portapinzas<br><br>L40 | -Portapinzas<br><br>L49 | -Portapinzas<br><br>L58 | -Portapinzas<br><br>L71 | -Portapinzas<br><br>L84 |
| | **CoroChuck™ 970** | -Adaptador<br><br>L26 | -Adaptador<br><br>L41 | -Adaptador<br><br>L50 | -Adaptador<br><br>L59 | -Adaptador<br><br>L72 | -Adaptador<br><br>L85 |

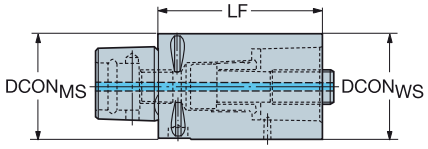
## Adaptadores amortiguados

| | | Lado de la máquina | |
|---|---|---|---|
| | | **Coromant Capto®** | **HSK** |
| **Lado de la pieza** | **Coromant EH** | -Adaptador<br><br>L110 | |
| | **En eje** | -Adaptador<br>-Con tornillos de transmisión<br><br>L111 | -Adaptador<br><br>L112 |

| DIN 2080 | DIN 2079 | Mango cilíndrico | Mango Weldon | Bridgeport | Coromant EH | ER |
|---|---|---|---|---|---|---|
| -Adaptador<br><br>L87 | -Adaptador<br>-Cambio rápido<br><br>L90 | | | | | |
| | | -Adaptador<br><br>L92-L95 | | | | -Adaptador<br><br>L106 |
| | | -Con tornillos de transmisión<br><br>L96 | | -Adaptador<br><br>L102 | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |
| | | | -Adaptador<br><br>L100 | | -Adaptador<br><br>L104 | -Adaptador<br><br>L107 |
| | | | | | | |
| | | | | | | |
| | | -Portapinzas<br><br>L98 | | | -Adaptador<br><br>L104 | |
| | | -Adaptador<br><br>L98 | -Adaptador<br><br>L100 | | -Adaptador<br><br>L104 | |

# Adaptador de extensión Coromant Capto®






| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $DCON_{WS}$ | LF | BAR | NM | KG |
|---|---|---|---|---|---|---|---|---|---|---|
| C3 | C3 | 3 | 1 | C3-391.01-32 060A | 32.0 | 32.0 | 60.0 | 80 | 45.00 | 0.36 |
| | C3 | 3 | 1 | C3-391.01-32 080A | 32.0 | 32.0 | 80.0 | 80 | 45.00 | 0.47 |
| | C3 | 3 | 1 | C3-391.01-32 095 | 32.0 | 32.0 | 95.0 | 80 | 45.00 | 0.56 |
| C4 | C4 | 3 | 1 | C4-391.01-40 060A | 40.0 | 40.0 | 60.0 | 80 | 55.00 | 0.57 |
| | C4 | 3 | 1 | C4-391.01-40 080A | 40.0 | 40.0 | 80.0 | 80 | 55.00 | 0.70 |
| | C4 | 3 | 1 | C4-391.01-40 120 | 40.0 | 40.0 | 120.0 | 80 | 55.00 | 1.11 |
| C5 | C5 | 3 | 1 | C5-391.01-50 080A | 50.0 | 50.0 | 80.0 | 80 | 95.00 | 1.15 |
| | C5 | 3 | 1 | C5-391.01-50 100A | 50.0 | 50.0 | 100.0 | 80 | 95.00 | 1.38 |
| | C5 | 3 | 1 | C5-391.01-50 150 | 50.0 | 50.0 | 150.0 | 80 | 95.00 | 2.17 |
| C6 | C6 | 3 | 1 | C6-391.01-63 100A | 63.0 | 63.0 | 100.0 | 80 | 170.00 | 2.26 |
| | C6 | 3 | 1 | C6-391.01-63 140A | 63.0 | 63.0 | 140.0 | 80 | 170.00 | 3.17 |
| | C6 | 3 | 1 | C6-391.01-63 185 | 63.0 | 63.0 | 185.0 | 80 | 170.00 | 4.19 |
| C8 | C8 | 3 | 1 | C8-391.01-80 100A | 80.0 | 80.0 | 100.0 | 80 | 170.00 | 3.70 |
| | C8 | 3 | 1 | C8-391.01-80 125A | 80.0 | 80.0 | 125.0 | 80 | 170.00 | 4.64 |
| | C8 | 3 | 1 | C8-391.01-80 200 | 80.0 | 80.0 | 200.0 | 80 | 170.00 | 7.47 |
| C10 | C10 | 3 | 1 | C10-391.01-100 140 | 100.0 | 100.0 | 140.0 | 80 | 380.00 | 7.93 |
| | C10 | 3 | 1 | C10-391.01-100 200 | 100.0 | 100.0 | 200.0 | 80 | 380.00 | 11.49 |

**Diseño corto, solo para sujeción de segmentos**

| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $DCON_{WS}$ | LF | BAR | NM | KG |
|---|---|---|---|---|---|---|---|---|---|---|
| C3 | C3 | 3 | 1 | C3-391.01-32 035 | 32.0 | 32.0 | 35.0 | 80 | 45.00 | 0.22 |
| C4 | C4 | 3 | 1 | C4-391.01-40 040 | 40.0 | 40.0 | 40.0 | 80 | 55.00 | 0.40 |
| C5 | C5 | 3 | 1 | C5-391.01-50 050 | 50.0 | 50.0 | 50.0 | 80 | 95.00 | 0.73 |
| C6 | C6 | 3 | 1 | C6-391.01-63 060 | 63.0 | 63.0 | 60.0 | 80 | 170.00 | 1.36 |
| C8 | C8 | 3 | 1 | C8-391.01-80 065 | 80.0 | 80.0 | 65.0 | 80 | 170.00 | 2.41 |

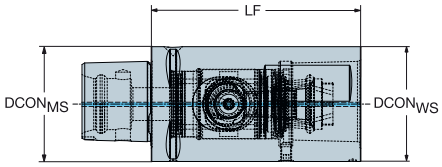
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

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SPA

# Adaptador de extensión Coromant Capto® con cambio rápido

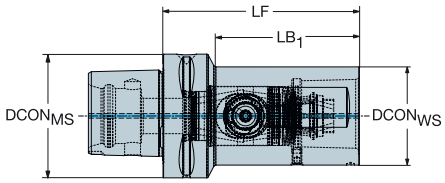





| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $DCON_{WS}$ | LF | BAR | NM | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C4 | C4 | 3 | 1 | C4-QC-C4-085 | 40.0 | 40.0 | 85.0 | 150 | 50.00 | 0.75 | 39000 |
| C5 | C5 | 3 | 1 | C5-QC-C5-100 | 50.0 | 50.0 | 100.0 | 150 | 70.00 | 1.39 | 28000 |
| C6 | C6 | 3 | 1 | C6-QC-C6-115 | 63.0 | 63.0 | 115.0 | 150 | 90.00 | 2.53 | 20000 |
| C8 | C8 | 3 | 1 | C8-QC-C8-145 | 80.0 | 80.0 | 145.0 | 150 | 130.00 | 5.16 | 14000 |

# Adaptador de reducción Coromant Capto® con cambio rápido





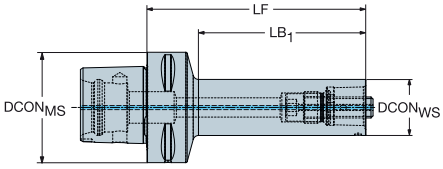

| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | BAR | NM | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C5 | C4 | 3 | 1 | C5-QC-C4-085 | 50.0 | 40.0 | 85.0 | 60.5 | 150 | 50.00 | 0.95 | 28000 |
| C6 | C5 | 3 | 1 | C6-QC-C5-100 | 63.0 | 50.0 | 100.0 | 73.0 | 150 | 70.00 | 1.75 | 20000 |
| C8 | C6 | 3 | 1 | C8-QC-C6-120 | 80.0 | 63.0 | 120.0 | 84.5 | 150 | 90.00 | 3.48 | 14000 |
| C10 | C8 | 3 | 1 | C10-QC-C8-150 | 100.0 | 80.0 | 150.0 | 108.0 | 150 | 130.00 | 6.83 | 10000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

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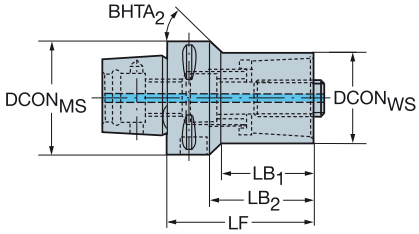
# Coromant Capto® adaptador de reducción






| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | BAR | NM | KG |
| C4 | C3 | 3 | 1 | C4-391.02-32 055A | 40.0 | 32.0 | 55.0 | 31.0 | 80 | 45.00 | 0.49 |
| | C3 | 3 | 1 | C4-391.02-32 120 | 40.0 | 32.0 | 120.0 | 95.7 | 80 | 45.00 | 0.81 |
| C5 | C3 | 3 | 1 | C5-391.02-32 060A | 50.0 | 32.0 | 60.0 | 34.8 | 80 | 45.00 | 0.68 |
| | C3 | 3 | 1 | C5-391.02-32 120 | 50.0 | 32.0 | 120.0 | 94.4 | 80 | 45.00 | 0.99 |
| | C4 | 3 | 1 | C5-391.02-40 065A | 50.0 | 40.0 | 65.0 | 40.0 | 80 | 55.00 | 0.80 |
| | C4 | 3 | 1 | C5-391.02-40 140 | 50.0 | 40.0 | 140.0 | 115.5 | 80 | 55.00 | 1.46 |
| C6 | C3 | 3 | 1 | C6-391.02-32 070A | 63.0 | 32.0 | 70.0 | 39.0 | 80 | 45.00 | 1.12 |
| | C3 | 3 | 1 | C6-391.02-32 125 | 63.0 | 32.0 | 125.0 | 95.6 | 80 | 45.00 | 1.43 |
| | C4 | 3 | 1 | C6-391.02-40 080A | 63.0 | 40.0 | 80.0 | 51.4 | 80 | 55.00 | 1.32 |
| | C4 | 3 | 1 | C6-391.02-40 145 | 63.0 | 40.0 | 145.0 | 116.7 | 80 | 55.00 | 1.86 |
| | C5 | 3 | 1 | C6-391.02-50 080A | 63.0 | 50.0 | 80.0 | 51.5 | 80 | 95.00 | 1.53 |
| | C5 | 3 | 1 | C6-391.02-50 175 | 63.0 | 50.0 | 175.0 | 148.1 | 80 | 95.00 | 2.79 |
| C8 | C3 | 3 | 1 | C8-391.02-32 060B | 80.0 | 32.0 | 60.0 | 20.7 | 80 | 45.00 | 2.07 |
| | C3 | 3 | 1 | C8-391.02-32 135 | 80.0 | 32.0 | 135.0 | 95.7 | 80 | 45.00 | 2.53 |
| | C4 | 3 | 1 | C8-391.02-40 070B | 80.0 | 40.0 | 70.0 | 31.4 | 80 | 55.00 | 2.20 |
| | C4 | 3 | 1 | C8-391.02-40 155 | 80.0 | 40.0 | 155.0 | 116.4 | 80 | 55.00 | 2.97 |
| | C5 | 3 | 1 | C8-391.02-50 080B | 80.0 | 50.0 | 80.0 | 42.8 | 80 | 95.00 | 2.43 |
| | C5 | 3 | 1 | C8-391.02-50 185 | 80.0 | 50.0 | 185.0 | 147.8 | 80 | 95.00 | 3.88 |
| | C6 | 3 | 1 | C8-391.02-63 080B | 80.0 | 63.0 | 80.0 | 44.5 | 80 | 170.00 | 2.65 |
| | C6 | 3 | 1 | C8-391.02-63 200 | 80.0 | 63.0 | 200.0 | 164.5 | 80 | 170.00 | 5.37 |
| C10 | C6 | 3 | 1 | C10-391.02-63 200 | 100.0 | 63.0 | 200.0 | 155.8 | 80 | 170.00 | 6.92 |
| | C8 | 3 | 1 | C10-391.02-80 200 | 100.0 | 80.0 | 200.0 | 158.1 | 80 | 170.00 | 8.92 |






| | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BHTA_2$ | BAR | NM | KG |
| C8 | C6 | 3 | 1 | C8-391.02-63 120A | 80.0 | 63.0 | 120.0 | 10.0 | 89.2 | 6° | 80 | 170.00 | 4.10 |
| C10 | C3 | 3 | 1 | C10-391.02-32 085 | 100.0 | 32.0 | 85.0 | 36.7 | 48.2 | 71° | 80 | 45.00 | 4.15 |
| | C4 | 3 | 1 | C10-391.02-40 090 | 100.0 | 40.0 | 90.0 | 42.7 | 53.2 | 71° | 80 | 55.00 | 4.25 |
| | C5 | 3 | 1 | C10-391.02-50 095 | 100.0 | 50.0 | 95.0 | 49.1 | 58.2 | 70° | 80 | 95.00 | 4.42 |
| | C6 | 3 | 1 | C10-391.02-63 095 | 100.0 | 63.0 | 95.0 | 50.8 | 58.2 | 68° | 80 | 170.00 | 4.68 |
| | C8 | 3 | 1 | C10-391.02-80 100 | 100.0 | 80.0 | 100.0 | 58.1 | 63.2 | 63° | 80 | 170.00 | 5.25 |

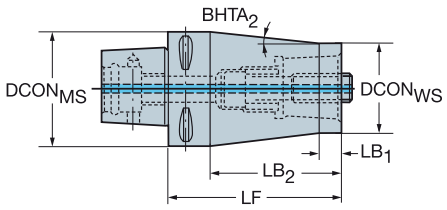
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SPA

# Coromant Capto® adaptador de reducción



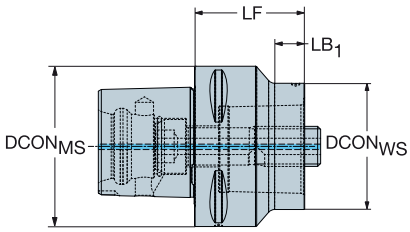


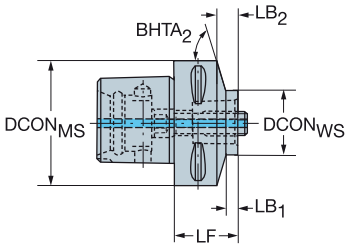

| | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BHTA_2$ | BAR | NM | KG |
| C4 | C3 | 3 | 1 | C4-391.02-32 070A | 40.0 | 32.0 | 70.0 | 10.0 | 59.2 | 6° | 80 | 45.00 | 0.59 |
| C5 | C3 | 3 | 1 | C5-391.02-32 150 | 50.0 | 32.0 | 150.0 | 5.0 | 129.2 | 4° | 80 | 45.00 | 1.65 |
| | C4 | 3 | 1 | C5-391.02-40 085A | 50.0 | 40.0 | 85.0 | 10.0 | 64.2 | 5° | 80 | 45.00 | 1.10 |
| C6 | C3 | 3 | 1 | C6-391.02-32 185 | 63.0 | 32.0 | 185.0 | 5.0 | 162.2 | 6° | 80 | 45.00 | 2.99 |
| | C4 | 3 | 1 | C6-391.02-40 185 | 63.0 | 40.0 | 185.0 | 5.0 | 162.2 | 4° | 80 | 55.00 | 3.23 |
| | C5 | 3 | 1 | C6-391.02-50 110A | 63.0 | 50.0 | 110.0 | 10.0 | 87.2 | 5° | 80 | 95.00 | 2.23 |
| C8 | C4 | 3 | 1 | C8-391.02-40 200 | 80.0 | 40.0 | 200.0 | 5.0 | 169.2 | 7° | 80 | 55.00 | 5.42 |
| | C5 | 3 | 1 | C8-391.02-50 200 | 80.0 | 50.0 | 200.0 | 5.0 | 169.2 | 5° | 80 | 95.00 | 5.84 |

### Diseño corto, solo para sujeción de segmentos

DSGN 2 7






| | | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_2$ | $BD_3$ | $BHTA_2$ | BAR | NM | KG |
| C5 | C3 | 3 | 1 | 2 | C5-391.02-32 033A | 50.0 | 32.0 | 33.0 | 5.0 | 33.0 | | 50.0 | | 0° | 80 | 45.00 | 0.54 |
| | C4 | 3 | 1 | 2 | C5-391.02-40 040A | 50.0 | 40.0 | 40.0 | 15.0 | 40.0 | | 50.0 | | 0° | 80 | 55.00 | 0.59 |
| C6 | C3 | 3 | 1 | 2 | C6-391.02-32 032 | 63.0 | 32.0 | 32.0 | 6.0 | 32.0 | | 63.0 | | 0° | 80 | 45.00 | 0.91 |
| | C4 | 3 | 1 | 2 | C6-391.02-40 040 | 63.0 | 40.0 | 40.0 | 11.0 | 40.0 | | 63.0 | | 0° | 80 | 55.00 | 0.98 |
| | C5 | 3 | 1 | 2 | C6-391.02-50 050A | 63.0 | 50.0 | 50.0 | 20.0 | 50.0 | | 63.0 | | 0° | 80 | 95.00 | 1.11 |
| C8 | C5 | 3 | 1 | 2 | C8-391.02-50 045A | 80.0 | 50.0 | 45.0 | 5.0 | 45.0 | | 80.0 | | 0° | 80 | 95.00 | 2.00 |
| | C6 | 3 | 1 | 2 | C8-391.02-63 055A | 80.0 | 63.0 | 55.0 | 15.0 | 55.0 | | 80.0 | | 0° | 80 | 170.00 | 2.15 |
| C10 | C6 | 3 | 1 | 7 | C10-391.02-63 055 | 100.0 | 63.0 | 55.0 | 14.0 | 19.0 | 55.0 | 63.0 | 100.0 | 75° | 80 | 170.00 | 3.70 |
| | C8 | 3 | 1 | 7 | C10-391.02-80 065 | 100.0 | 80.0 | 65.0 | 25.4 | 29.0 | 65.0 | 80.0 | 100.0 | 70° | 80 | 170.00 | 3.92 |

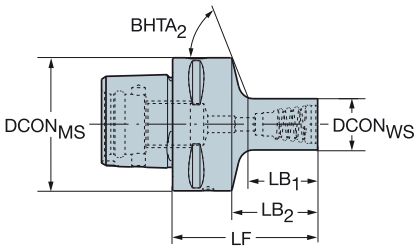
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# Coromant Capto® a Coromant EH, adaptador

## Diseño corto

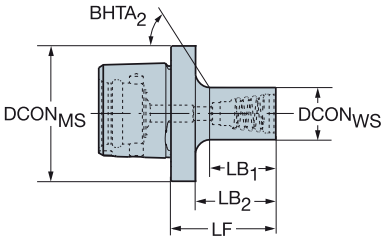





| | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| C3 | E10 | 3 | 1 | C3-391.EH-10 035 | 32.0 | 9.6 | 35.0 | 13.2 | 20.0 | 58° | 150 | 12.00 | 0.19 | 40000 |
| | E12 | 3 | 1 | C3-391.EH-12 038 | 32.0 | 11.6 | 38.0 | 16.4 | 23.0 | 57° | 150 | 15.00 | 0.21 | 40000 |
| | E16 | 3 | 1 | C3-391.EH-16 043 | 32.0 | 15.4 | 43.0 | 21.9 | 28.0 | 53° | 150 | 30.00 | 0.26 | 40000 |
| C4 | E10 | 3 | 1 | C4-391.EH-10 041 | 40.0 | 9.6 | 41.0 | 13.1 | 21.0 | 62° | 150 | 12.00 | 0.35 | 39000 |
| | E12 | 3 | 1 | C4-391.EH-12 044 | 40.0 | 11.6 | 44.0 | 16.4 | 24.0 | 61° | 150 | 15.00 | 0.36 | 39000 |
| | E16 | 3 | 1 | C4-391.EH-16 049 | 40.0 | 15.4 | 49.0 | 21.9 | 29.0 | 59° | 150 | 30.00 | 0.42 | 39000 |
| | E20 | 3 | 1 | C4-391.EH-20 046 | 40.0 | 19.2 | 46.0 | 19.4 | 26.0 | 57° | 150 | 50.00 | 0.43 | 39000 |
| | E25 | 3 | 1 | C4-391.EH-25 051 | 40.0 | 24.1 | 51.0 | 25.0 | 31.0 | 53° | 150 | 65.00 | 0.50 | 39000 |
| C5 | E10 | 3 | 1 | C5-391.EH-10 042 | 50.0 | 9.6 | 42.0 | 12.8 | 22.0 | 65° | 150 | 12.00 | 0.56 | 28000 |
| | E12 | 3 | 1 | C5-391.EH-12 045 | 50.0 | 11.6 | 45.0 | 16.0 | 25.0 | 64° | 150 | 15.00 | 0.57 | 28000 |
| | E16 | 3 | 1 | C5-391.EH-16 050 | 50.0 | 15.4 | 50.0 | 21.5 | 30.0 | 63° | 150 | 30.00 | 0.63 | 28000 |
| | E20 | 3 | 1 | C5-391.EH-20 047 | 50.0 | 19.2 | 47.0 | 19.0 | 27.0 | 62° | 150 | 50.00 | 0.64 | 28000 |
| | E25 | 3 | 1 | C5-391.EH-25 052 | 50.0 | 24.1 | 52.0 | 24.7 | 32.0 | 60° | 150 | 65.00 | 0.70 | 28000 |
| C6 | E10 | 3 | 1 | C6-391.EH-10 046 | 63.0 | 9.6 | 46.0 | 13.0 | 24.0 | 67° | 150 | 12.00 | 0.94 | 20000 |
| | E12 | 3 | 1 | C6-391.EH-12 049 | 63.0 | 11.6 | 49.0 | 16.3 | 27.0 | 67° | 150 | 15.00 | 0.95 | 20000 |
| | E16 | 3 | 1 | C6-391.EH-16 054 | 63.0 | 15.4 | 54.0 | 21.8 | 32.0 | 66° | 150 | 30.00 | 1.01 | 20000 |
| | E20 | 3 | 1 | C6-391.EH-20 051 | 63.0 | 19.2 | 51.0 | 19.3 | 29.0 | 66° | 150 | 50.00 | 1.02 | 20000 |
| | E25 | 3 | 1 | C6-391.EH-25 056 | 63.0 | 24.1 | 56.0 | 25.0 | 34.0 | 65° | 150 | 65.00 | 1.08 | 20000 |

## Diseño corto, solo para sujeción de segmentos






| | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| C3 | E10 | 3 | 1 | C3-391.EH-10 026 | 32.0 | 9.6 | 26.0 | 13.0 | 18.0 | 45° | 150 | 12.00 | 0.15 | 40000 |
| | E12 | 3 | 1 | C3-391.EH-12 029 | 32.0 | 11.6 | 29.0 | 16.0 | 21.0 | 45° | 150 | 15.00 | 0.17 | 40000 |
| | E16 | 3 | 1 | C3-391.EH-16 027 | 32.0 | 15.4 | 27.0 | 14.0 | 19.0 | 45° | 150 | 30.00 | 0.24 | 55000 |
| | E20 | 3 | 1 | C3-391.EH-20 031 | 32.0 | 19.2 | 31.0 | 18.0 | 23.0 | 45° | 150 | 50.00 | 0.27 | 55000 |
| C4 | E10 | 3 | 1 | C4-391.EH-10 026 | 40.0 | 9.6 | 26.0 | 13.0 | 18.0 | 45° | 150 | 12.00 | 0.24 | 39000 |
| | E12 | 3 | 1 | C4-391.EH-12 029 | 40.0 | 11.6 | 29.0 | 16.0 | 21.0 | 45° | 150 | 15.00 | 0.26 | 39000 |
| | E16 | 3 | 1 | C4-391.EH-16 035 | 40.0 | 15.4 | 35.0 | 22.0 | 27.0 | 45° | 150 | 30.00 | 0.31 | 39000 |
| | E20 | 3 | 1 | C4-391.EH-20 031 | 40.0 | 19.2 | 31.0 | 18.0 | 23.0 | 45° | 150 | 50.00 | 0.34 | 39000 |
| | E25 | 3 | 1 | C4-391.EH-25 038 | 40.0 | 24.1 | 38.0 | 25.0 | 30.0 | 45° | 150 | 65.00 | 0.28 | 39000 |
| C5 | E10 | 3 | 1 | C5-391.EH-10 026 | 50.0 | 9.6 | 26.0 | 13.0 | 18.0 | 45° | 150 | 12.00 | 0.38 | 28000 |
| | E12 | 3 | 1 | C5-391.EH-12 029 | 50.0 | 11.6 | 29.0 | 16.0 | 21.0 | 45° | 150 | 15.00 | 0.40 | 28000 |
| | E16 | 3 | 1 | C5-391.EH-16 035 | 50.0 | 15.4 | 35.0 | 22.0 | 27.0 | 45° | 150 | 30.00 | 0.45 | 28000 |
| | E20 | 3 | 1 | C5-391.EH-20 031 | 50.0 | 19.2 | 31.0 | 18.0 | 23.0 | 45° | 150 | 50.00 | 0.47 | 28000 |
| | E25 | 3 | 1 | C5-391.EH-25 038 | 50.0 | 24.1 | 38.0 | 25.0 | 30.0 | 45° | 150 | 65.00 | 0.53 | 28000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

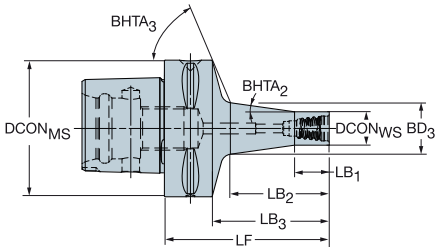
M1 N23 N15 N3

SPA

# Coromant Capto®  a Coromant EH, adaptador

## Diseño largo

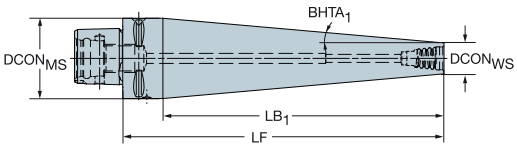





| | | | | | Dimensiones, mm | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_3$ | $BHTA_2$ | $BHTA_3$ | BAR | NM | KG | RPMX |
| C3 | E10 | 3 | 1 | C3-391.EH-10 049 | 32.0 | 9.6 | 49.0 | 10.0 | 28.5 | 34.0 | 14.8 | 8° | 57° | 150 | 12.00 | 0.20 | 40000 |
| | E12 | 3 | 1 | C3-391.EH-12 054 | 32.0 | 11.6 | 54.0 | 12.0 | 33.9 | 39.0 | 17.8 | 8° | 54° | 150 | 15.00 | 0.25 | 40000 |
| | E16 | 3 | 1 | C3-391.EH-16 065 | 32.0 | 15.4 | 65.0 | 16.0 | 45.7 | 50.0 | 23.8 | 8° | 44° | 150 | 30.00 | 0.32 | 40000 |
| C4 | E10 | 3 | 1 | C4-391.EH-10 055 | 40.0 | 9.6 | 55.0 | 10.0 | 28.5 | 32.6 | 22.1 | 8° | 62° | 150 | 12.00 | 0.37 | 39000 |
| | E12 | 3 | 1 | C4-391.EH-12 060 | 40.0 | 11.6 | 60.0 | 12.0 | 33.9 | 40.0 | 17.7 | 8° | 61° | 150 | 15.00 | 0.39 | 39000 |
| | E16 | 3 | 1 | C4-391.EH-16 071 | 40.0 | 15.4 | 71.0 | 16.0 | 45.7 | 51.0 | 23.7 | 8° | 56° | 150 | 30.00 | 0.48 | 39000 |
| | E20 | 3 | 1 | C4-391.EH-20 084 | 40.0 | 19.2 | 84.0 | 20.0 | 59.6 | 64.0 | 30.3 | 8° | 47° | 150 | 50.00 | 0.59 | 39000 |
| | E25 | 3 | 1 | C4-391.EH-25 074 | 40.0 | 24.1 | 74.0 | 25.0 | 49.6 | 54.0 | 31.0 | 8° | 45° | 150 | 65.00 | 0.61 | 39000 |
| C5 | E10 | 3 | 1 | C5-391.EH-10 056 | 50.0 | 9.6 | 56.0 | 10.0 | 28.1 | 36.0 | 14.7 | 8° | 65° | 150 | 12.00 | 0.57 | 28000 |
| | E12 | 3 | 1 | C5-391.EH-12 061 | 50.0 | 11.6 | 61.0 | 12.0 | 33.5 | 41.0 | 17.6 | 8° | 65° | 150 | 15.00 | 0.60 | 28000 |
| | E16 | 3 | 1 | C5-391.EH-16 072 | 50.0 | 15.4 | 72.0 | 16.0 | 45.3 | 52.0 | 23.6 | 8° | 63° | 150 | 30.00 | 0.69 | 28000 |
| | E20 | 3 | 1 | C5-391.EH-20 085 | 50.0 | 19.2 | 85.0 | 20.0 | 59.2 | 65.0 | 30.2 | 8° | 59° | 150 | 50.00 | 0.79 | 28000 |
| | E25 | 3 | 1 | C5-391.EH-25 100 | 50.0 | 24.1 | 100.0 | 25.0 | 75.3 | 80.0 | 38.2 | 8° | 51° | 150 | 65.00 | 1.01 | 28000 |
| C6 | E10 | 3 | 1 | C6-391.EH-10 060 | 63.0 | 9.6 | 60.0 | 10.0 | 28.4 | 38.0 | 14.8 | 8° | 68° | 150 | 12.00 | 0.95 | 20000 |
| | E12 | 3 | 1 | C6-391.EH-12 065 | 63.0 | 11.6 | 65.0 | 12.0 | 33.8 | 43.0 | 17.7 | 8° | 67° | 150 | 15.00 | 0.97 | 20000 |
| | E16 | 3 | 1 | C6-391.EH-16 076 | 63.0 | 15.4 | 76.0 | 16.0 | 45.6 | 54.0 | 23.7 | 8° | 66° | 150 | 30.00 | 1.07 | 20000 |
| | E20 | 3 | 1 | C6-391.EH-20 088 | 63.0 | 19.2 | 88.0 | 20.0 | 58.4 | 66.0 | 30.0 | 8° | 65° | 150 | 50.00 | 1.16 | 20000 |
| | E25 | 3 | 1 | C6-391.EH-25 103 | 63.0 | 24.1 | 103.0 | 25.0 | 74.5 | 81.0 | 38.0 | 8° | 62° | 150 | 65.00 | 1.37 | 20000 |
| C8 | E20 | 3 | 1 | C8-391.EH-20 100 | 80.0 | 19.2 | 100.0 | 20.0 | 60.2 | 70.0 | 30.5 | 8° | 68° | 150 | 50.00 | 2.25 | 14000 |
| | E25 | 3 | 1 | C8-391.EH-25 114 | 80.0 | 24.1 | 114.0 | 25.0 | 75.3 | 84.0 | 38.2 | 8° | 68° | 150 | 65.00 | 2.45 | 14000 |

## Diseño cónico largo






| | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $BHTA_1$ | BAR | NM | KG | RPMX |
| C3 | E10 | 3 | 1 | C3-391.EH-10 143 | 32.0 | 9.6 | 143.0 | 128.0 | 5° | 150 | 12.00 | 0.55 | 40000 |
| | E12 | 3 | 1 | C3-391.EH-12 132 | 32.0 | 11.6 | 132.0 | 117.0 | 5° | 150 | 15.00 | 0.56 | 40000 |
| | E16 | 3 | 1 | C3-391.EH-16 110 | 32.0 | 15.4 | 110.0 | 95.0 | 5° | 150 | 30.00 | 0.57 | 40000 |
| C4 | E10 | 3 | 1 | C4-391.EH-10 128 | 40.0 | 9.6 | 128.0 | 108.0 | 8° | 150 | 12.00 | 0.78 | 39000 |
| | E12 | 3 | 1 | C4-391.EH-12 121 | 40.0 | 11.6 | 121.0 | 101.0 | 8° | 150 | 15.00 | 0.78 | 39000 |
| | E16 | 3 | 1 | C4-391.EH-16 160 | 40.0 | 15.4 | 160.0 | 140.0 | 5° | 150 | 30.00 | 1.06 | 39000 |
| | E20 | 3 | 1 | C4-391.EH-20 139 | 40.0 | 19.2 | 139.0 | 119.0 | 5° | 150 | 50.00 | 1.03 | 39000 |
| C5 | E16 | 3 | 1 | C5-391.EH-16 143 | 50.0 | 15.4 | 143.0 | 123.0 | 8° | 150 | 30.00 | 1.43 | 28000 |
| | E20 | 3 | 1 | C5-391.EH-20 130 | 50.0 | 19.2 | 130.0 | 110.0 | 8° | 150 | 50.00 | 1.40 | 28000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


M1



N23



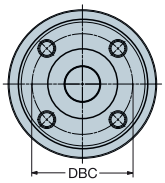
N15


N3

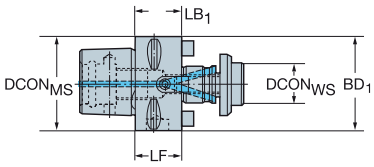
# Adaptador Coromant Capto® a árbol



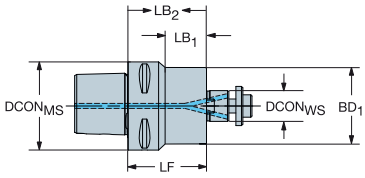
DSGN




1

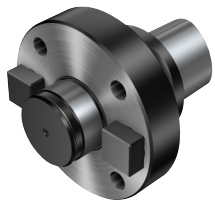


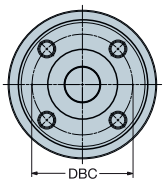

2

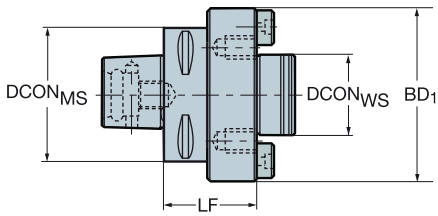



**Refrigerante a través del eje**

| | | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | DBC | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| C3 | 16 | 3 | 4 | 1 | **C3-391.05C-16 030** | 32.0 | | 16.0 | 30.0 | 30.0 | | 32.0 | | 80 | 22.00 | 0.25 | 20000 |
| C4 | 16 | 3 | 4 | 2 | **C4-391.05C-16 032** | 40.0 | | 16.0 | 32.0 | 10.0 | 32.0 | 32.0 | 40.0 | 80 | 22.00 | 0.38 | 20000 |
| | 16 | 3 | 4 | 2 | **C4-391.05C-16 055** | 40.0 | | 16.0 | 55.0 | 33.0 | 55.0 | 32.0 | 40.0 | 80 | 22.00 | 0.40 | 20000 |
| | 22 | 3 | 4 | 1 | **C4-391.05C-22 025** | 40.0 | | 22.0 | 25.0 | 25.0 | | 40.0 | | 80 | 45.00 | 0.40 | 16000 |
| | 22 | 3 | 4 | 1 | **C4-391.05C-22 055** | 40.0 | | 22.0 | 55.0 | 55.0 | | 40.0 | | 80 | 45.00 | 0.60 | 16000 |
| C5 | 16 | 3 | 4 | 2 | **C5-391.05C-16 035** | 50.0 | | 16.0 | 35.0 | 10.0 | 35.0 | 32.0 | 50.0 | 80 | 22.00 | 0.60 | 20000 |
| | 16 | 3 | 4 | 2 | **C5-391.05C-16 070** | 50.0 | | 16.0 | 70.0 | 44.8 | 70.0 | 32.0 | 50.0 | 80 | 22.00 | 0.70 | 20000 |
| | 22 | 3 | 4 | 1 | **C5-391.05C-22 025M** | 50.0 | | 22.0 | 25.0 | 25.0 | | 50.0 | | 80 | 45.00 | 0.62 | 16000 |
| | 22 | 3 | 4 | 2 | **C5-391.05C-22 070** | 50.0 | | 22.0 | 70.0 | 47.0 | 70.0 | 40.0 | 50.0 | 80 | 45.00 | 0.90 | 16000 |
| | 27 | 3 | 4 | 1 | **C5-391.05C-27 025M** | 50.0 | | 27.0 | 25.0 | 25.0 | | 56.0 | | 80 | 80.00 | 0.68 | 17000 |
| | 32 | 3 | 4 | 1 | **C5-391.05C-32 040** | 50.0 | | 32.0 | 40.0 | 40.0 | | 63.0 | | 80 | 180.00 | 1.14 | 16000 |
| C6 | 16 | 3 | 4 | 2 | **C6-391.05C-16 040** | 63.0 | | 16.0 | 40.0 | 10.0 | 40.0 | 32.0 | 63.0 | 80 | 22.00 | 1.00 | 20000 |
| | 22 | 3 | 4 | 1 | **C6-391.05C-22 025M** | 63.0 | | 22.0 | 25.0 | 25.0 | | 63.0 | | 80 | 45.00 | 0.96 | 16000 |
| | 22 | 3 | 4 | 2 | **C6-391.05C-22 080** | 63.0 | | 22.0 | 80.0 | 40.0 | 80.0 | 40.0 | 63.0 | 80 | 45.00 | 1.40 | 16000 |
| | 27 | 3 | 4 | 1 | **C6-391.05C-27 025M** | 63.0 | | 27.0 | 25.0 | 25.0 | | 63.0 | | 80 | 80.00 | 1.01 | 17000 |
| | 27 | 3 | 4 | 2 | **C6-391.05C-27 080** | 63.0 | | 27.0 | 80.0 | 55.0 | 80.0 | 50.0 | 63.0 | 80 | 80.00 | 1.60 | 17000 |
| | 32 | 3 | 4 | 1 | **C6-391.05C-32 025M** | 63.0 | | 32.0 | 25.0 | 25.0 | | 65.0 | | 80 | 180.00 | 1.09 | 16000 |
| | 40S | 3 | 4 | 1 | **C6-391.05C-40 050M** | 63.0 | 66.7 | 40.0 | 50.0 | 50.0 | | 87.0 | | 80 | 300.00 | 2.40 | 17000 |
| C8 | 16 | 3 | 4 | 2 | **C8-391.05C-16 050** | 80.0 | | 16.0 | 50.0 | 10.0 | 50.0 | 32.0 | 80.0 | 80 | 22.00 | 2.10 | 14000 |
| | 22 | 3 | 4 | 1 | **C8-391.05C-22 030M** | 80.0 | | 22.0 | 30.0 | 30.0 | | 80.0 | | 80 | 45.00 | 1.86 | 14000 |
| | 22 | 3 | 4 | 2 | **C8-391.05C-22 090** | 80.0 | | 22.0 | 90.0 | 45.0 | 90.0 | 40.0 | 80.0 | 80 | 45.00 | 2.40 | 14000 |
| | 27 | 3 | 4 | 1 | **C8-391.05C-27 030M** | 80.0 | | 27.0 | 30.0 | 30.0 | | 80.0 | | 80 | 80.00 | 1.91 | 14000 |
| | 27 | 3 | 4 | 2 | **C8-391.05C-27 090** | 80.0 | | 27.0 | 90.0 | 50.0 | 90.0 | 50.0 | 80.0 | 80 | 80.00 | 2.70 | 14000 |
| | 32 | 3 | 4 | 1 | **C8-391.05C-32 030M** | 80.0 | | 32.0 | 30.0 | 30.0 | | 80.0 | | 80 | 180.00 | 2.02 | 14000 |
| | 40S | 3 | 4 | 1 | **C8-391.05C-40 060M** | 80.0 | 66.7 | 40.0 | 60.0 | 60.0 | | 87.0 | | 80 | 300.00 | 3.47 | 14000 |
| C10 | 27 | 3 | 4 | 2 | **C10-391.05C-27 075** | 100.0 | | 27.0 | 75.0 | 29.0 | 75.0 | 60.0 | 100.0 | 80 | 80.00 | 4.52 | 10000 |
| | 32 | 3 | 4 | 2 | **C10-391.05C-32 075** | 100.0 | | 32.0 | 75.0 | 33.0 | 75.0 | 78.0 | 100.0 | 80 | 180.00 | 5.04 | 10000 |
| | 40S | 3 | 4 | 1 | **C10-391.05C-40 040M** | 100.0 | 66.7 | 40.0 | 40.0 | 40.0 | | 100.0 | | 80 | 300.00 | 3.95 | 10000 |






| | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | **Código de pedido** | $DCON_{MS}$ | DBC | $DCON_{WS}$ | LF | $BD_1$ | NM | KG | RPMX |
| C8 | 60 | **C8-391.05-60 060** | 80.0 | 101.6 | 60.0 | 60.0 | 130.0 | 180.00 | 6.03 | 14000 |
| C10 | 60 | **C10-391.05-60 075** | 100.0 | 101.6 | 60.0 | 75.0 | 130.0 | 180.00 | 8.50 | 10000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

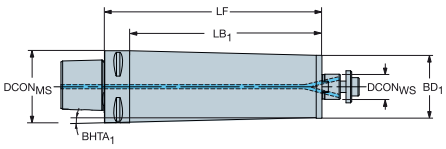
M1 N23 N15

SPA

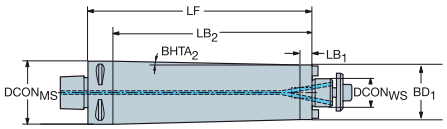
# Adaptador Coromant Capto®  a árbol

DSGN 3

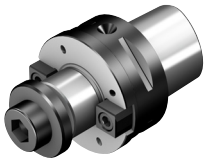


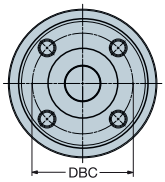


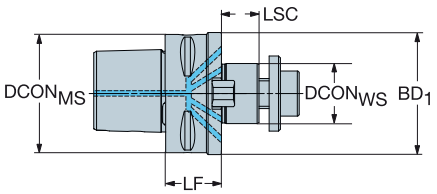

DSGN 7




| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | $BHTA_1$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| C4 | 16 | 3 | 4 | 7 | C4-391.05C-16 120 | 40.0 | 16.0 | 120.0 | 22.0 | 100.0 | 120.0 | 32.0 | 32.0 | 40.0 | 0° | 2° | 80 | 22.00 | 0.99 | 18000 |
| C5 | 22 | 3 | 4 | 7 | C5-391.05C-22 150 | 50.0 | 22.0 | 150.0 | 12.0 | 130.0 | 150.0 | 40.0 | 40.0 | 50.0 | 0° | 2° | 80 | 45.00 | 2.04 | 16000 |
| C6 | 22 | 3 | 4 | 3 | C6-391.05C-22 120 | 63.0 | 22.0 | 120.0 | 98.0 | 120.0 | | 55.0 | 63.0 | | 2° | 0° | 80 | 45.00 | 2.82 | 16000 |
| | 22 | 3 | 4 | 3 | C6-391.05C-22 190 | 63.0 | 22.0 | 190.0 | 168.0 | 190.0 | | 55.0 | 63.0 | | 1° | 0° | 80 | 45.00 | 4.25 | 14000 |
| C8 | 27 | 3 | 4 | 3 | C8-391.05C-27 150 | 80.0 | 27.0 | 150.0 | 120.0 | 150.0 | | 65.0 | 80.0 | | 3° | 0° | 80 | 80.00 | 5.62 | 12000 |
| | 27 | 3 | 4 | 3 | C8-391.05C-27 240 | 80.0 | 27.0 | 240.0 | 210.0 | 240.0 | | 65.0 | 80.0 | | 2° | 0° | 80 | 80.00 | 8.42 | 10000 |






| | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | DBC | $DCON_{WS}$ | LSC | LF | $BD_1$ | BAR | NM | KG | RPMX |
| C6 | 32 | 3 | 3 | C6-391.07C-32 030 | 63.0 | | 32.0 | 20 | 25.0 | 65.0 | 80 | 180.00 | 1.23 | 12000 |
| C8 | 40S | 3 | 3 | C8-391.07C-40 060 | 80.0 | 66.7 | 40.0 | 23 | 60.0 | 87.0 | 80 | 300.00 | 3.48 | 10000 |

Suministro de refrigerante para CoroMill QD con bridas de sujeción. Para informarse sobre las bridas de sujeción, consulte la página M27.
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

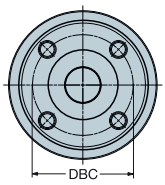
M1 N23 N15

# Coromant Capto® a eje, con adaptador de tornillos de transmisión

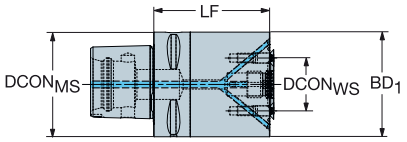
**Para CoroMill® QD con suministro de refrigerante interior**



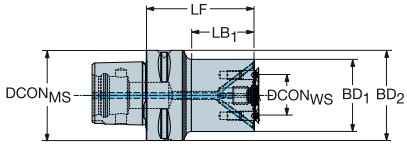
DSGN




1




2




| | | | | | | Dimensiones, mm | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | DBC | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| C3 | X10 | 3 | 3 | 1 | **C3-X10-032-040** | 32.0 | 22.0 | 10.0 | 2 | 40.0 | 40.0 | | 32.0 | | 80 | 6.40 | 0.28 | 12000 |
| C4 | X10 | 3 | 3 | 2 | **C4-X10-032-050** | 40.0 | 22.0 | 10.0 | 2 | 50.0 | 25.5 | 50.0 | 32.0 | 40.0 | 80 | 6.40 | 0.46 | 12000 |
| | X22 | 3 | 3 | 1 | **C4-X22-040-050** | 40.0 | 32.0 | 22.0 | 2 | 50.0 | 50.0 | | 40.0 | | 80 | 3.90 | 0.56 | 11000 |
| C5 | X22 | 3 | 3 | 2 | **C5-X22-040-060** | 50.0 | 32.0 | 22.0 | 2 | 60.0 | 35.0 | 60.0 | 40.0 | 50.0 | 80 | 3.90 | 0.85 | 11000 |
| | X32 | 3 | 3 | 1 | **C5-X32-063-070** | 50.0 | 45.0 | 32.0 | 2 | 70.0 | 70.0 | | 63.0 | | 80 | 6.40 | 1.64 | 10000 |
| C6 | X32 | 3 | 3 | 1 | **C6-X32-063-070** | 63.0 | 45.0 | 32.0 | 2 | 70.0 | 70.0 | | 63.0 | | 80 | 6.40 | 1.93 | 10000 |
| | X40 | 3 | 3 | 1 | **C6-X40-080-090** | 63.0 | 63.0 | 40.0 | 2 | 90.0 | 90.0 | | 80.0 | | 80 | 70.00 | 3.46 | 8000 |
| C8 | X40 | 3 | 3 | 1 | **C8-X40-080-095** | 80.0 | 63.0 | 40.0 | 2 | 95.0 | 95.0 | | 80.0 | | 80 | 70.00 | 4.34 | 8000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

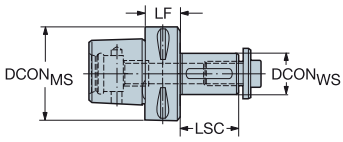
M1 N23 N15

SPA

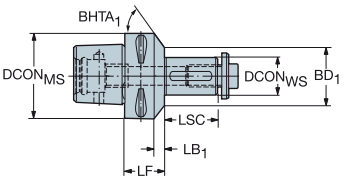
# Coromant Capto®  a adaptador de eje de fresa de fresado lateral y planeado



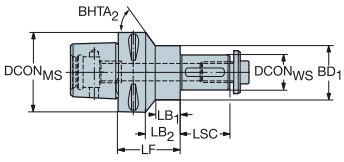
DSGN 1




DSGN 3

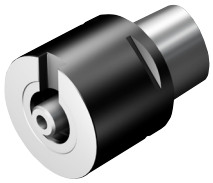


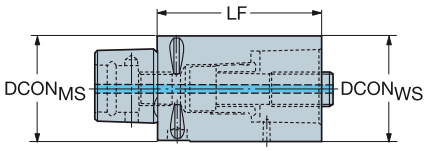

DSGN 7




| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | $BHTA_1$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| C3 | 16 | 3 | 1 | 3 | **C3-391.10-16 020** | 32.0 | 16.0 | 30 | 20.0 | 5.0 | 20.0 | | 28.0 | 32.0 | | 21° | 0° | 80 | 22.00 | 0.22 | 8000 |
| C4 | 16 | 3 | 1 | 3 | **C4-391.10-16 025** | 40.0 | 16.0 | 30 | 25.0 | 5.0 | 25.0 | | 28.0 | 40.0 | | 50° | 0° | 80 | 22.00 | 0.37 | 8000 |
| | 22 | 3 | 1 | 3 | **C4-391.10-22 025** | 40.0 | 22.0 | 40 | 25.0 | 5.0 | 25.0 | | 36.0 | 40.0 | | 22° | 0° | 80 | 45.00 | 0.46 | 8000 |
| | 27 | 3 | 1 | 1 | **C4-391.10-27 025** | 40.0 | 27.0 | 60 | 25.0 | 25.0 | | | 40.0 | | | | | 80 | 80.00 | 0.62 | 7000 |
| C5 | 22 | 3 | 1 | 3 | **C5-391.10-22 025** | 50.0 | 22.0 | 40 | 25.0 | 5.1 | 25.0 | | 36.0 | 50.0 | | 54° | 0° | 80 | 45.00 | 0.72 | 8000 |
| | 27 | 3 | 1 | 3 | **C5-391.10-27 025** | 50.0 | 27.0 | 60 | 25.0 | 5.0 | 25.0 | | 43.0 | 50.0 | | 35° | 0° | 80 | 80.00 | 0.83 | 7000 |
| | 32 | 3 | 1 | 1 | **C5-391.10-32 025** | 50.0 | 32.0 | 60 | 25.0 | 25.0 | | | 50.0 | | | | | 80 | 180.00 | 0.96 | 6000 |
| C6 | 16 | 3 | 1 | 3 | **C6-391.10-16 030** | 63.0 | 16.0 | 30 | 30.0 | 7.8 | 30.0 | | 28.0 | 63.0 | | 66° | 0° | 80 | 22.00 | 0.97 | 10000 |
| | 22 | 3 | 1 | 3 | **C6-391.10-22 030** | 63.0 | 22.0 | 40 | 30.0 | 7.9 | 30.0 | | 36.0 | 63.0 | | 59° | 0° | 80 | 45.00 | 1.10 | 8000 |
| | 27 | 3 | 1 | 3 | **C6-391.10-27 030** | 63.0 | 27.0 | 60 | 30.0 | 7.8 | 30.0 | | 43.0 | 63.0 | | 52° | 0° | 80 | 80.00 | 1.25 | 7000 |
| | 32 | 3 | 1 | 3 | **C6-391.10-32 025** | 63.0 | 32.0 | 60 | 25.0 | 3.0 | 25.0 | | 48.0 | 63.0 | | 68° | 0° | 80 | 180.00 | 1.30 | 6000 |
| | 40 | 3 | 1 | 3 | **C6-391.10-40 025** | 63.0 | 40.0 | 60 | 25.0 | 3.0 | 25.0 | | 56.0 | 63.0 | | 49° | 0° | 80 | 300.00 | 1.57 | 5000 |
| C8 | 22 | 3 | 1 | 3 | **C8-391.10-22 040** | 80.0 | 22.0 | 40 | 40.0 | 10.2 | 40.0 | | 36.0 | 80.0 | | 65° | 0° | 80 | 45.00 | 2.26 | 8000 |
| | 27 | 3 | 1 | 3 | **C8-391.10-27 030** | 80.0 | 27.0 | 60 | 30.0 | 7.8 | 30.0 | | 43.0 | 80.0 | | 67° | 0° | 80 | 80.00 | 2.00 | 7000 |
| | 32 | 3 | 1 | 3 | **C8-391.10-32 030** | 80.0 | 32.0 | 60 | 30.0 | 7.6 | 30.0 | | 48.0 | 80.0 | | 64° | 0° | 80 | 180.00 | 2.12 | 6000 |
| | 40 | 3 | 1 | 3 | **C8-391.10-40 030** | 80.0 | 40.0 | 60 | 30.0 | 7.9 | 30.0 | | 56.0 | 80.0 | | 56° | 0° | 80 | 300.00 | 2.38 | 5000 |
| | 50 | 3 | 1 | 3 | **C8-391.10-50 030** | 80.0 | 50.0 | 60 | 30.0 | 3.0 | 30.0 | | 70.0 | 80.0 | | 58° | 0° | 80 | 120.00 | 2.90 | 4500 |
| | 60 | 3 | 1 | 1 | **C8-391.10-60 030** | 80.0 | 60.0 | 60 | 30.0 | 30.0 | | | 80.0 | | | | | 80 | 180.00 | 3.51 | 4000 |
| C10 | 32 | 3 | 1 | 7 | **C10-391.10-32 065** | 100.0 | 32.0 | 60 | 65.0 | 20.0 | 29.0 | 65.0 | 48.0 | 48.0 | 100.0 | 0° | 71° | 80 | 180.00 | 4.43 | 6000 |
| | 40 | 3 | 1 | 7 | **C10-391.10-40 070** | 100.0 | 40.0 | 60 | 70.0 | 25.0 | 34.0 | 70.0 | 56.0 | 56.0 | 100.0 | 0° | 67° | 80 | 300.00 | 4.87 | 5000 |
| | 50 | 3 | 1 | 7 | **C10-391.10-50 055** | 100.0 | 50.0 | 80 | 55.0 | 10.0 | 19.0 | 55.0 | 70.0 | 70.0 | 100.0 | 0° | 59° | 80 | 120.00 | 5.44 | 4500 |
| | 60 | 3 | 1 | 3 | **C10-391.10-60 040** | 100.0 | 60.0 | 90 | 40.0 | 4.0 | 40.0 | | 84.0 | 100.0 | | 63° | 0° | 80 | 180.00 | 5.93 | 4000 |

# Coromant Capto®  a adaptador VL






| | | | | | Dimensiones, mm | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | BAR | NM | KG |
| C8 | 80 | 3 | 1 | **C8-391.01-V80 065** | 80.0 | 80.0 | 65.0 | 80 | 170.00 | 3.05 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


M1



N23



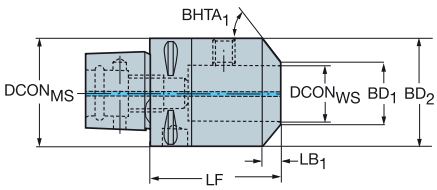
N15

# Coromant Capto® a Weldon, adaptador

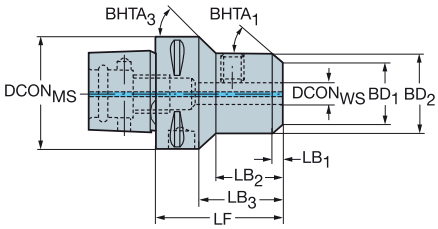
**Adaptador del lado de la pieza DIN 6535-HB y DIN 1835-B**



DSGN 3




14




| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_2$ | $BD_3$ | $BD_4$ | $BHTA_1$ | $BHTA_3$ | BAR | NM | KG | RPMX |
| C3 | 6 | 3 | 1 | 14 | C3-391.20-06 045A | 32.0 | 6.0 | 46.0 | 4.0 | 27.5 | 29.5 | 46.0 | 17.0 | 25.0 | 25.0 | 32.0 | 45° | 60° | 20 | 3.00 | 0.24 | 32000 |
| | 8 | 3 | 1 | 14 | C3-391.20-08 045A | 32.0 | 8.0 | 46.0 | 4.0 | 29.0 | 31.0 | 46.0 | 20.0 | 28.0 | 28.0 | 32.0 | 45° | 45° | 20 | 7.00 | 0.26 | 32000 |
| | 10 | 3 | 1 | 3 | C3-391.20-10 050 | 32.0 | 10.0 | 50.0 | 4.0 | 50.0 | | | 27.0 | 35.0 | | | 45° | | 20 | 10.00 | 0.40 | 32000 |
| | 12 | 3 | 1 | 3 | C3-391.20-12 055 | 32.0 | 12.0 | 55.0 | 5.0 | 55.0 | | | 32.0 | 42.0 | | | 45° | | 20 | 12.00 | 0.51 | 32000 |
| C4 | 6 | 3 | 1 | 14 | C4-391.20-06 050 | 40.0 | 6.0 | 50.0 | 4.0 | 25.5 | 29.8 | 50.0 | 17.0 | 25.0 | 25.0 | 40.0 | 45° | 60° | 20 | 3.00 | 0.40 | 30000 |
| | 8 | 3 | 1 | 14 | C4-391.20-08 050 | 40.0 | 8.0 | 50.0 | 4.0 | 26.5 | 32.5 | 50.0 | 20.0 | 28.0 | 28.0 | 40.0 | 45° | 45° | 20 | 7.00 | 0.40 | 30000 |
| | 10 | 3 | 1 | 14 | C4-391.20-10 050A | 40.0 | 10.0 | 51.0 | 4.0 | 29.6 | 31.0 | 51.0 | 27.0 | 35.0 | 35.0 | 40.0 | 45° | 60° | 20 | 10.00 | 0.50 | 30000 |
| | 12 | 3 | 1 | 3 | C4-391.20-12 055A | 40.0 | 12.0 | 56.0 | 5.0 | 56.0 | | | 32.0 | 42.0 | | | 45° | | 20 | 12.00 | 0.61 | 30000 |
| | 14 | 3 | 1 | 3 | C4-391.20-14 055 | 40.0 | 14.0 | 55.0 | 5.0 | 55.0 | | | 34.0 | 44.0 | | | 45° | | 20 | 12.00 | 0.62 | 30000 |
| | 16 | 3 | 1 | 3 | C4-391.20-16 055 | 40.0 | 16.0 | 55.0 | 5.0 | 55.0 | | | 38.0 | 48.0 | | | 45° | | 20 | 15.00 | 0.70 | 30000 |
| C5 | 6 | 3 | 1 | 14 | C5-391.20-06 050 | 50.0 | 6.0 | 50.0 | 4.0 | 25.5 | 30.0 | 50.0 | 17.0 | 25.0 | 25.0 | 50.0 | 45° | 70° | 20 | 3.00 | 0.62 | 28000 |
| | 8 | 3 | 1 | 14 | C5-391.20-08 050 | 50.0 | 8.0 | 50.0 | 4.0 | 26.0 | 30.0 | 50.0 | 20.0 | 28.0 | 28.0 | 50.0 | 45° | 70° | 20 | 7.00 | 0.60 | 28000 |
| | 10 | 3 | 1 | 14 | C5-391.20-10 055 | 50.0 | 10.0 | 55.0 | 4.0 | 27.5 | 35.0 | 55.0 | 27.0 | 35.0 | 35.0 | 50.0 | 45° | 45° | 20 | 10.00 | 0.72 | 28000 |
| | 12 | 3 | 1 | 14 | C5-391.20-12 060 | 50.0 | 12.0 | 60.0 | 5.0 | 36.0 | 40.0 | 60.0 | 32.0 | 42.0 | 42.0 | 50.0 | 45° | 45° | 20 | 12.00 | 0.90 | 28000 |
| | 14 | 3 | 1 | 14 | C5-391.20-14 060 | 50.0 | 14.0 | 60.0 | 5.0 | 37.0 | 40.0 | 60.0 | 34.0 | 44.0 | 44.0 | 50.0 | 45° | 45° | 20 | 12.00 | 0.90 | 28000 |
| | 16 | 3 | 1 | 14 | C5-391.20-16 060 | 50.0 | 16.0 | 60.0 | 5.0 | 39.0 | 40.0 | 60.0 | 38.0 | 48.0 | 48.0 | 50.0 | 45° | 45° | 20 | 15.00 | 1.00 | 28000 |
| | 18 | 3 | 1 | 3 | C5-391.20-18 060 | 50.0 | 18.0 | 60.0 | 5.0 | 60.0 | | | 40.0 | 50.0 | | | 45° | | 20 | 15.00 | 0.95 | 28000 |
| | 20 | 3 | 1 | 3 | C5-391.20-20 060 | 50.0 | 20.0 | 60.0 | 5.0 | 60.0 | | | 42.0 | 52.0 | | | 45° | | 20 | 20.00 | 1.00 | 28000 |
| | 25 | 3 | 1 | 3 | C5-391.20-25 080 | 50.0 | 25.0 | 80.0 | 8.0 | 80.0 | | | 49.0 | 65.0 | | | 45° | | 20 | 25.00 | 1.68 | 28000 |
| C6 | 6 | 3 | 1 | 14 | C6-391.20-06 055 | 63.0 | 6.0 | 55.0 | 4.0 | 25.0 | 32.7 | 55.0 | 17.0 | 25.0 | 25.0 | 63.0 | 45° | 68° | 20 | 3.00 | 0.99 | 20000 |
| | 8 | 3 | 1 | 14 | C6-391.20-08 055 | 63.0 | 8.0 | 55.0 | 4.0 | 26.0 | 33.1 | 55.0 | 20.0 | 28.0 | 28.0 | 63.0 | 45° | 68° | 20 | 7.00 | 1.00 | 20000 |
| | 10 | 3 | 1 | 14 | C6-391.20-10 060 | 63.0 | 10.0 | 60.0 | 4.0 | 30.0 | 38.1 | 60.0 | 27.0 | 35.0 | 35.0 | 63.0 | 45° | 60° | 20 | 10.00 | 1.12 | 20000 |
| | 12 | 3 | 1 | 14 | C6-391.20-12 060 | 63.0 | 12.0 | 60.0 | 5.0 | 33.0 | 37.9 | 60.0 | 32.0 | 42.0 | 42.0 | 63.0 | 45° | 65° | 20 | 12.00 | 1.20 | 20000 |
| | 14 | 3 | 1 | 14 | C6-391.20-14 060 | 63.0 | 14.0 | 60.0 | 5.0 | 33.5 | 37.9 | 60.0 | 34.0 | 44.0 | 44.0 | 63.0 | 45° | 65° | 20 | 12.00 | 1.20 | 20000 |
| | 16 | 3 | 1 | 14 | C6-391.20-16 065 | 63.0 | 16.0 | 65.0 | 5.0 | 35.5 | 43.0 | 65.0 | 38.0 | 48.0 | 48.0 | 63.0 | 45° | 45° | 20 | 15.00 | 1.36 | 20000 |
| | 18 | 3 | 1 | 14 | C6-391.20-18 065 | 63.0 | 18.0 | 65.0 | 5.0 | 39.0 | 42.7 | 65.0 | 40.0 | 50.0 | 50.0 | 63.0 | 45° | 60° | 20 | 15.00 | 1.38 | 20000 |
| | 20 | 3 | 1 | 14 | C6-391.20-20 065 | 63.0 | 20.0 | 65.0 | 5.0 | 37.5 | 43.0 | 65.0 | 42.0 | 52.0 | 52.0 | 63.0 | 45° | 45° | 20 | 20.00 | 1.30 | 20000 |
| | 25 | 3 | 1 | 3 | C6-391.20-25 080 | 63.0 | 25.0 | 80.0 | 8.0 | 80.0 | | | 49.0 | 65.0 | | | 45° | | 20 | 25.00 | 2.00 | 20000 |
| | 32 | 3 | 1 | 3 | C6-391.20-32 090 | 63.0 | 32.0 | 90.0 | 8.0 | 90.0 | | | 56.0 | 72.0 | | | 45° | | 20 | 45.00 | 2.48 | 20000 |
| | 40 | 3 | 1 | 3 | C6-391.20-40 100 | 63.0 | 40.0 | 100.0 | 8.0 | 100.0 | | | 74.0 | 90.0 | | | 45° | | 20 | 45.00 | 3.88 | 20000 |
| C8 | 6 | 3 | 1 | 14 | C8-391.20-06 070 | 80.0 | 6.0 | 70.0 | 4.0 | 27.0 | 40.0 | 70.0 | 17.0 | 25.0 | 25.0 | 80.0 | 45° | 65° | 20 | 3.00 | 2.18 | 14000 |
| | 8 | 3 | 1 | 14 | C8-391.20-08 070 | 80.0 | 8.0 | 70.0 | 4.0 | 28.0 | 40.0 | 70.0 | 20.0 | 28.0 | 28.0 | 80.0 | 45° | 65° | 20 | 7.00 | 2.18 | 14000 |
| | 10 | 3 | 1 | 14 | C8-391.20-10 070 | 80.0 | 10.0 | 70.0 | 4.0 | 29.5 | 40.0 | 70.0 | 27.0 | 35.0 | 35.0 | 80.0 | 45° | 65° | 20 | 10.00 | 2.22 | 14000 |
| | 12 | 3 | 1 | 14 | C8-391.20-12 070 | 80.0 | 12.0 | 70.0 | 5.0 | 31.0 | 40.0 | 70.0 | 32.0 | 42.0 | 42.0 | 80.0 | 45° | 65° | 20 | 12.00 | 2.31 | 14000 |
| | 14 | 3 | 1 | 14 | C8-391.20-14 070 | 80.0 | 14.0 | 70.0 | 5.0 | 31.6 | 40.0 | 70.0 | 34.0 | 44.0 | 44.0 | 80.0 | 45° | 65° | 20 | 12.00 | 2.38 | 14000 |
| | 16 | 3 | 1 | 14 | C8-391.20-16 070 | 80.0 | 16.0 | 70.0 | 5.0 | 33.0 | 40.0 | 70.0 | 38.0 | 48.0 | 48.0 | 80.0 | 45° | 65° | 20 | 15.00 | 2.38 | 14000 |
| | 18 | 3 | 1 | 14 | C8-391.20-18 070 | 80.0 | 18.0 | 70.0 | 5.0 | 33.0 | 40.0 | 70.0 | 40.0 | 50.0 | 50.0 | 80.0 | 45° | 65° | 20 | 15.00 | 2.40 | 14000 |
| | 20 | 3 | 1 | 14 | C8-391.20-20 070 | 80.0 | 20.0 | 70.0 | 5.0 | 35.5 | 40.0 | 70.0 | 42.0 | 52.0 | 52.0 | 80.0 | 45° | 70° | 20 | 20.00 | 2.39 | 14000 |
| | 25 | 3 | 1 | 14 | C8-391.20-25 080 | 80.0 | 25.0 | 80.0 | 8.0 | 53.7 | 58.0 | 80.0 | 49.0 | 65.0 | 65.0 | 80.0 | 45° | 60° | 20 | 25.00 | 2.73 | 14000 |
| | 32 | 3 | 1 | 14 | C8-391.20-32 080 | 80.0 | 32.0 | 80.0 | 8.0 | 55.7 | 58.0 | 80.0 | 56.0 | 72.0 | 72.0 | 80.0 | 45° | 60° | 20 | 45.00 | 2.88 | 14000 |
| | 40 | 3 | 1 | 3 | C8-391.20-40 110 | 80.0 | 40.0 | 110.0 | 8.0 | 110.0 | | | 74.0 | 90.0 | | | 45° | | 20 | 45.00 | 5.05 | 14000 |
| | 50 | 3 | 1 | 3 | C8-391.20-50 120 | 80.0 | 50.0 | 120.0 | 8.0 | 120.0 | | | 84.0 | 100.0 | | | 45° | | 20 | 60.00 | 5.91 | 14000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

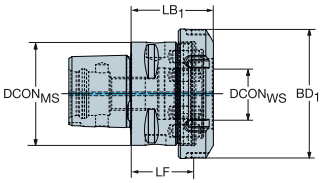
M1 N23 N15

SPA

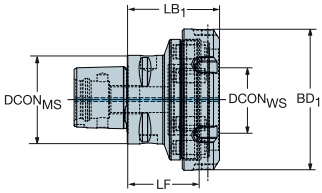
# Coromant Capto®  a MDI, adaptador



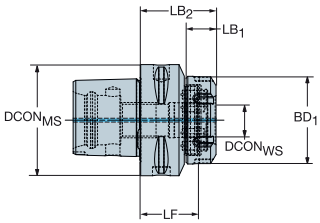
DSGN 1




1




2




| | | | | | | Dimensiones, mm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| C3 | MDI-20 | 3 | 1 | 1 | **C3-DM20-N-032** | 32.0 | 20.0 | 32.0 | 42.0 | | 49.7 | | 80 | 135.00 | 0.31 | 55000 |
| C4 | MDI-20 | 3 | 1 | 1 | **C4-DM20-N-028** | 40.0 | 20.0 | 28.0 | 38.0 | | 49.7 | | 80 | 135.00 | 0.40 | 39000 |
| | MDI-25 | 3 | 1 | 1 | **C4-DM25-N-035** | 40.0 | 25.0 | 35.0 | 45.0 | | 62.7 | | 80 | 170.00 | 0.58 | 39000 |
| | MDI-32 | 3 | 1 | 1 | **C4-DM32-N-042** | 40.0 | 32.0 | 42.0 | 52.0 | | 67.7 | | 80 | 200.00 | 0.71 | 39000 |
| C5 | MDI-20 | 3 | 1 | 2 | **C5-DM20-N-028** | 50.0 | 20.0 | 28.0 | 18.0 | 38.0 | 49.7 | 50.0 | 80 | 135.00 | 0.57 | 28000 |
| | MDI-25 | 3 | 1 | 1 | **C5-DM25-N-030** | 50.0 | 25.0 | 30.0 | 40.0 | | 62.7 | | 80 | 170.00 | 0.67 | 28000 |
| | MDI-32 | 3 | 1 | 1 | **C5-DM32-N-035** | 50.0 | 32.0 | 35.0 | 45.0 | | 67.7 | | 80 | 200.00 | 0.77 | 28000 |
| | MDI-40 | 3 | 1 | 1 | **C5-DM40-N-040** | 50.0 | 40.0 | 40.0 | 52.0 | | 79.7 | | 80 | 230.00 | 1.00 | 28000 |
| C6 | MDI-20 | 3 | 1 | 2 | **C6-DM20-N-033** | 63.0 | 20.0 | 33.0 | 18.0 | 43.0 | 49.7 | 63.0 | 80 | 135.00 | 0.96 | 20000 |
| | MDI-25 | 3 | 1 | 2 | **C6-DM25-N-030** | 63.0 | 25.0 | 30.0 | 18.0 | 40.0 | 62.7 | 63.0 | 80 | 170.00 | 1.00 | 20000 |
| | MDI-32 | 3 | 1 | 1 | **C6-DM32-N-030** | 63.0 | 32.0 | 30.0 | 40.0 | | 67.7 | | 80 | 200.00 | 0.99 | 20000 |
| | MDI-40 | 3 | 1 | 1 | **C6-DM40-N-040** | 63.0 | 40.0 | 40.0 | 52.0 | | 79.7 | | 80 | 230.00 | 1.34 | 20000 |
| C8 | MDI-32 | 3 | 1 | 2 | **C8-DM32-N-040** | 80.0 | 32.0 | 40.0 | 18.0 | 50.0 | 67.7 | 80.0 | 80 | 200.00 | 2.01 | 14000 |
| | MDI-40 | 3 | 1 | 2 | **C8-DM40-N-040** | 80.0 | 40.0 | 40.0 | 22.0 | 52.0 | 79.7 | 80.0 | 80 | 230.00 | 2.09 | 14000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


M1



N23

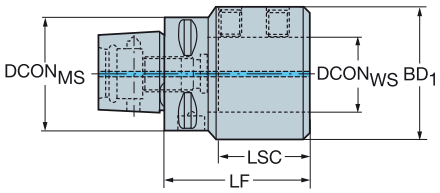


N15

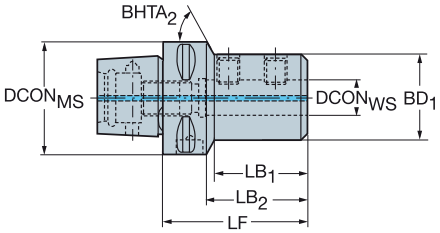
# Coromant Capto® a ISO 9766, adaptador



DSGN 1




7




| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| C3 | 16 | 3 | 1 | 1 | **C3-391.27-16 056** | 32.0 | 16.0 | 49 | 56.0 | 56.0 | | | 36.0 | | | | 20 | 10.00 | 0.40 | 32000 |
| | 20 | 3 | 1 | 1 | **C3-391.27-20 060** | 32.0 | 20.0 | 51 | 60.0 | 60.0 | | | 40.0 | | | | 20 | 12.00 | 0.46 | 32000 |
| | 25 | 3 | 1 | 1 | **C3-391.27-25 080** | 32.0 | 25.0 | 57 | 80.0 | 80.0 | | | 45.0 | | | | 20 | 20.00 | 0.70 | 32000 |
| C4 | 16 | 3 | 1 | 7 | **C4-391.27-16 056** | 40.0 | 16.0 | 49 | 56.0 | 32.5 | 36.0 | 56.0 | 36.0 | 36.0 | 40.0 | 30° | 20 | 10.00 | 0.49 | 30000 |
| | 20 | 3 | 1 | 1 | **C4-391.27-20 060** | 40.0 | 20.0 | 51 | 60.0 | 60.0 | | | 40.0 | | | | 20 | 12.00 | 0.55 | 30000 |
| | 25 | 3 | 1 | 1 | **C4-391.27-25 077** | 40.0 | 25.0 | 57 | 77.0 | 77.0 | | | 45.0 | | | | 20 | 20.00 | 0.75 | 30000 |
| | 32 | 3 | 1 | 1 | **C4-391.27-32 088** | 40.0 | 32.0 | 61 | 88.0 | 88.0 | | | 52.0 | | | | 20 | 30.00 | 0.99 | 30000 |
| C5 | 16 | 3 | 1 | 7 | **C5-391.27-16 065** | 50.0 | 16.0 | 49 | 65.0 | 41.7 | 45.0 | 65.0 | 36.0 | 36.0 | 50.0 | 65° | 20 | 10.00 | 0.75 | 28000 |
| | 20 | 3 | 1 | 7 | **C5-391.27-20 060** | 50.0 | 20.0 | 51 | 60.0 | 37.7 | 40.0 | 60.0 | 40.0 | 40.0 | 50.0 | 65° | 20 | 12.00 | 0.74 | 28000 |
| | 25 | 3 | 1 | 7 | **C5-391.27-25 071** | 50.0 | 25.0 | 57 | 71.0 | 46.7 | 51.0 | 71.0 | 45.0 | 45.0 | 50.0 | 30° | 20 | 20.00 | 0.46 | 28000 |
| | 32 | 3 | 1 | 1 | **C5-391.27-32 075** | 50.0 | 32.0 | 61 | 75.0 | 75.0 | | | 52.0 | | | | 20 | 30.00 | 0.97 | 28000 |
| | 40 | 3 | 1 | 1 | **C5-391.27-40 100** | 50.0 | 40.0 | 71 | 100.0 | 100.0 | | | 65.0 | | | | 20 | 40.00 | 1.79 | 28000 |
| C6 | 16 | 3 | 1 | 7 | **C6-391.27-16 070** | 63.0 | 16.0 | 49 | 70.0 | 43.0 | 47.9 | 70.0 | 36.0 | 36.0 | 63.0 | 70° | 20 | 10.00 | 1.14 | 20000 |
| | 20 | 3 | 1 | 7 | **C6-391.27-20 070** | 63.0 | 20.0 | 51 | 70.0 | 43.8 | 48.0 | 70.0 | 40.0 | 40.0 | 63.0 | 70° | 20 | 12.00 | 1.18 | 20000 |
| | 25 | 3 | 1 | 7 | **C6-391.27-25 070A** | 63.0 | 25.0 | 57 | 72.0 | 45.8 | 50.0 | 72.0 | 45.0 | 45.0 | 63.0 | 65° | 20 | 20.00 | 1.23 | 20000 |
| | 32 | 3 | 1 | 7 | **C6-391.27-32 075** | 63.0 | 32.0 | 61 | 75.0 | 49.8 | 53.0 | 75.0 | 52.0 | 52.0 | 63.0 | 60° | 20 | 30.00 | 1.30 | 20000 |
| | 40 | 3 | 1 | 1 | **C6-391.27-40 085** | 63.0 | 40.0 | 71 | 85.0 | 85.0 | | | 65.0 | | | | 20 | 40.00 | 1.74 | 20000 |
| | 50 | 3 | 1 | 1 | **C6-391.27-50 115** | 63.0 | 50.0 | 81 | 115.0 | 115.0 | | | 75.0 | | | | 20 | 45.00 | 2.70 | 20000 |
| C8 | 16 | 3 | 1 | 7 | **C8-391.27-16 080** | 80.0 | 16.0 | 49 | 80.0 | 42.0 | 50.0 | 80.0 | 36.0 | 36.0 | 80.0 | 70° | 20 | 10.00 | 2.25 | 14000 |
| | 20 | 3 | 1 | 7 | **C8-391.27-20 080** | 80.0 | 20.0 | 51 | 80.0 | 43.8 | 49.9 | 80.0 | 40.0 | 40.0 | 80.0 | 73° | 20 | 12.00 | 2.26 | 14000 |
| | 25 | 3 | 1 | 7 | **C8-391.27-25 085** | 80.0 | 25.0 | 57 | 85.0 | 49.8 | 55.1 | 85.0 | 45.0 | 45.0 | 80.0 | 73° | 20 | 20.00 | 2.32 | 14000 |
| | 32 | 3 | 1 | 7 | **C8-391.27-32 090** | 80.0 | 32.0 | 61 | 90.0 | 53.8 | 60.0 | 90.0 | 52.0 | 52.0 | 80.0 | 66° | 20 | 30.00 | 2.46 | 14000 |
| | 40 | 3 | 1 | 7 | **C8-391.27-40 095** | 80.0 | 40.0 | 71 | 95.0 | 62.8 | 65.1 | 95.0 | 65.0 | 65.0 | 80.0 | 73° | 20 | 40.00 | 2.78 | 14000 |
| | 50 | 3 | 1 | 7 | **C8-391.27-50 100** | 80.0 | 50.0 | 81 | 100.0 | 68.6 | 70.0 | 100.0 | 75.0 | 75.0 | 80.0 | 61° | 20 | 45.00 | 2.94 | 14000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

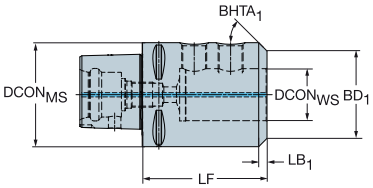
M1 N23 N15

SPA

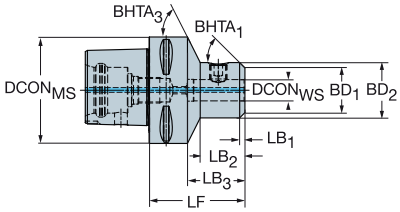
# Coromant Capto®  a Weldon / ISO 9766, adaptador

DSGN 3






DSGN 14

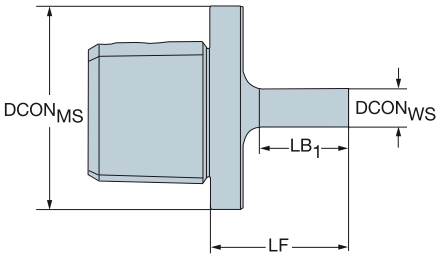



| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_2$ | $BD_3$ | $BD_4$ | $BHTA_1$ | $BHTA_3$ | BAR | NM | KG | RPMX |
| C10 | 20 | 3 | 1 | 14 | **C10-391.23-20 090** | 100.0 | 20.0 | 90.0 | 5.0 | 42.0 | 54.0 | 90.0 | 42.0 | 52.0 | 52.0 | 100.0 | 45° | 63° | 20 | 20.00 | 4.00 | 10000 |
| | 25 | 3 | 1 | 14 | **C10-391.23-25 105** | 100.0 | 25.0 | 105.0 | 8.0 | 61.0 | 69.0 | 105.0 | 49.0 | 65.0 | 65.0 | 100.0 | 45° | 65° | 20 | 25.00 | 5.09 | 10000 |
| | 32 | 3 | 1 | 14 | **C10-391.23-32 110** | 100.0 | 32.0 | 110.0 | 8.0 | 66.0 | 74.0 | 110.0 | 56.0 | 72.0 | 72.0 | 100.0 | 45° | 60° | 20 | 45.00 | 5.41 | 10000 |
| | 40 | 3 | 1 | 14 | **C10-391.23-40 115** | 100.0 | 40.0 | 115.0 | 8.0 | 76.0 | 79.0 | 115.0 | 74.0 | 90.0 | 90.0 | 100.0 | 45° | 59° | 20 | 45.00 | 6.58 | 10000 |
| | 50 | 3 | 1 | 3 | **C10-391.23-50 120** | 100.0 | 50.0 | 120.0 | 8.0 | 120.0 | | | 84.0 | 100.0 | | | 45° | | 20 | 60.00 | 7.20 | 10000 |

# Coromant Capto®  a CoroMill®  327, adaptador

**Diseño corto, solo para sujeción de segmentos**






| | | | Dimensiones, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | NM | KG | RPMX |
| C3 | 09 | **C3-391.327-09 035** | 32.0 | 9.0 | 35.0 | 22.0 | 4.30 | 0.14 | 55000 |
| C4 | 09 | **C4-391.327-09 035** | 40.0 | 9.0 | 35.0 | 22.0 | 4.30 | 0.21 | 39000 |
| | 12 | **C4-391.327-12 043** | 40.0 | 12.0 | 43.0 | 30.0 | 6.50 | 0.29 | 39000 |
| C5 | 12 | **C5-391.327-12 043** | 50.0 | 12.0 | 43.0 | 30.0 | 6.50 | 0.41 | 28000 |
| | 14 | **C5-391.327-14 048** | 50.0 | 14.3 | 48.0 | 35.0 | 6.50 | 0.43 | 28000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

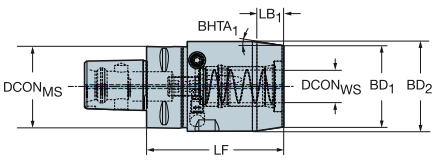
M1 N23 N15

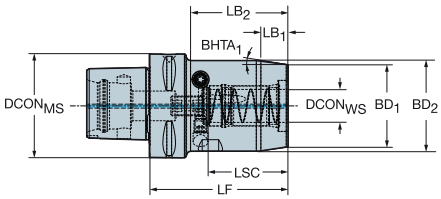
# Coromant Capto® a CoroChuck™ 930

**Diseño de mecanizado pesado**

DSGN 3 6






| | | | | | | Dimensiones, mm | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | $BHTA_1$ | BAR | NM | KG | RPMX |
| C4 | 20 | 3 | 1 | 3 | **930-C4-HD-20-084** | 40.0 | 20.0 | 51 | 84.0 | 17.8 | 84.0 | | 50.0 | 55.0 | | 8° | 80 | 10.00 | 1.25 | 39000 |
| C5 | 20 | 3 | 1 | 3 | **930-C5-HD-20-082** | 50.0 | 20.0 | 51 | 82.0 | 17.8 | 82.0 | | 50.0 | 55.0 | | 8° | 80 | 10.00 | 1.40 | 28000 |
| | 25 | 3 | 1 | 3 | **930-C5-HD-25-088** | 50.0 | 25.0 | 57 | 88.0 | 18.8 | 88.0 | | 57.0 | 65.0 | | 12° | 80 | 10.00 | 1.86 | 28000 |
| C6 | 20 | 3 | 1 | 6 | **930-C6-HD-20-084** | 63.0 | 20.0 | 51 | 84.0 | 17.8 | 59.0 | 84.0 | 50.0 | 55.0 | 63.0 | 8° | 80 | 10.00 | 1.76 | 20000 |
| | 25 | 3 | 1 | 3 | **930-C6-HD-25-087** | 63.0 | 25.0 | 57 | 87.0 | 18.8 | 87.0 | | 57.0 | 65.0 | | 12° | 80 | 10.00 | 2.16 | 20000 |
| | 25 | 3 | 1 | 3 | **930-C6-HD-25-150** | 63.0 | 25.0 | 57 | 150.0 | 18.8 | 150.0 | | 57.0 | 65.0 | | 12° | 80 | 10.00 | 3.63 | 20000 |
| | 32 | 3 | 1 | 3 | **930-C6-HD-32-091** | 63.0 | 32.0 | 61 | 91.0 | 18.8 | 91.0 | | 68.0 | 76.0 | | 12° | 80 | 10.00 | 2.75 | 20000 |
| C8 | 20 | 3 | 1 | 6 | **930-C8-HD-20-097** | 80.0 | 20.0 | 51 | 97.0 | 17.8 | 62.0 | 97.0 | 50.0 | 55.0 | 80.0 | 8° | 80 | 10.00 | 2.88 | 14000 |
| | 25 | 3 | 1 | 6 | **930-C8-HD-25-097** | 80.0 | 25.0 | 57 | 97.0 | 18.8 | 63.0 | 97.0 | 57.0 | 65.0 | 80.0 | 12° | 80 | 10.00 | 3.22 | 14000 |
| | 32 | 3 | 1 | 6 | **930-C8-HD-32-085** | 80.0 | 32.0 | 61 | 85.0 | 18.8 | 53.3 | 85.0 | 67.8 | 76.0 | 80.0 | 12° | 80 | 10.00 | 3.25 | 14000 |
| | 32 | 3 | 1 | 6 | **930-C8-HD-32-180** | 80.0 | 32.0 | 61 | 180.0 | 18.8 | 148.0 | 180.0 | 68.0 | 76.0 | 80.0 | 12° | 80 | 10.00 | 6.54 | 14000 |
| C10 | 20 | 3 | 1 | 6 | **930-C10-HD-20-102** | 100.0 | 20.0 | 51 | 102.0 | 17.8 | 59.0 | 102.0 | 50.0 | 55.0 | 100.0 | 8° | 80 | 10.00 | 4.49 | 10000 |
| | 25 | 3 | 1 | 6 | **930-C10-HD-25-105** | 100.0 | 25.0 | 57 | 105.0 | 18.8 | 63.0 | 105.0 | 57.0 | 65.0 | 100.0 | 12° | 80 | 10.00 | 4.89 | 10000 |
| | 32 | 3 | 1 | 6 | **930-C10-HD-32-098** | 100.0 | 32.0 | 61 | 98.0 | 18.8 | 56.2 | 98.0 | 67.8 | 76.0 | 100.0 | 12° | 80 | 10.00 | 5.14 | 10000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N6 N15 N4

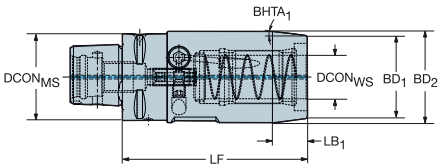
SPA

# Coromant Capto®  a CoroChuck™ 930

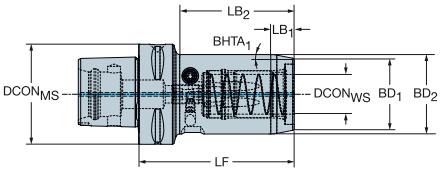
**Diseño delgado**

DSGN 3





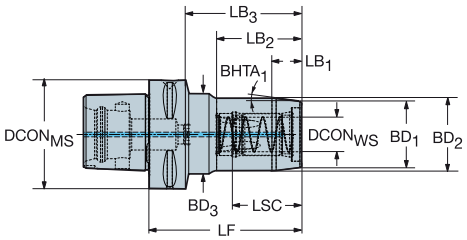

DSGN 6




| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | $BHTA_1$ | BAR | NM | KG | RPMX |
| C3 | 6 | 3 | 1 | 6 | 930-C3-S-06-064 | 32.0 | 6.0 | 37 | 64.0 | 11.3 | 33.2 | 64.0 | 22.0 | 26.0 | 32.0 | 10° | 80 | 8.00 | 0.32 | 55000 |
| | 8 | 3 | 1 | 6 | 930-C3-S-08-065 | 32.0 | 8.0 | 37 | 65.0 | 11.3 | 35.3 | 65.0 | 24.0 | 28.0 | 32.0 | 10° | 80 | 8.00 | 0.36 | 55000 |
| | 10 | 3 | 1 | 6 | 930-C3-S-10-070 | 32.0 | 10.0 | 41 | 70.0 | 11.3 | 39.6 | 70.0 | 26.0 | 30.0 | 32.0 | 10° | 80 | 8.00 | 0.38 | 55000 |
| | 12 | 3 | 1 | 3 | 930-C3-S-12-074 | 32.0 | 12.0 | 46 | 74.0 | 11.3 | 74.0 | | 28.0 | 32.0 | | 10° | 80 | 8.00 | 0.45 | 55000 |
| C4 | 6 | 3 | 1 | 6 | 930-C4-S-06-066 | 40.0 | 6.0 | 37 | 66.0 | 11.3 | 30.2 | 66.0 | 22.0 | 26.0 | 40.0 | 10° | 80 | 8.00 | 0.48 | 39000 |
| | 8 | 3 | 1 | 6 | 930-C4-S-08-066 | 40.0 | 8.0 | 37 | 66.0 | 11.3 | 30.2 | 66.0 | 24.0 | 28.0 | 40.0 | 10° | 80 | 8.00 | 0.50 | 39000 |
| | 10 | 3 | 1 | 6 | 930-C4-S-10-072 | 40.0 | 10.0 | 41 | 72.0 | 11.3 | 34.2 | 72.0 | 26.0 | 30.0 | 40.0 | 10° | 80 | 8.00 | 0.55 | 39000 |
| | 12 | 3 | 1 | 6 | 930-C4-S-12-080A | 40.0 | 12.0 | 46 | 80.0 | 11.3 | 40.0 | 80.0 | 28.0 | 32.0 | 40.0 | 15° | 80 | 8.00 | 0.65 | 39000 |
| | 20 | 3 | 1 | 3 | 930-C4-S-20-090A | 40.0 | 20.0 | 51 | 90.0 | 16.0 | 90.0 | | 38.0 | 42.0 | | 7° | 80 | 8.00 | 0.85 | 39000 |
| C5 | 6 | 3 | 1 | 6 | 930-C5-S-06-068 | 50.0 | 6.0 | 37 | 68.0 | 11.3 | 30.2 | 68.0 | 22.0 | 26.0 | 50.0 | 10° | 80 | 8.00 | 0.75 | 28000 |
| | 8 | 3 | 1 | 6 | 930-C5-S-08-070 | 50.0 | 8.0 | 37 | 70.0 | 11.3 | 32.2 | 70.0 | 24.0 | 28.0 | 50.0 | 10° | 80 | 8.00 | 0.77 | 28000 |
| | 10 | 3 | 1 | 6 | 930-C5-S-10-072 | 50.0 | 10.0 | 41 | 72.0 | 11.3 | 34.2 | 72.0 | 26.0 | 30.0 | 50.0 | 10° | 80 | 8.00 | 0.80 | 20000 |
| | 12 | 3 | 1 | 6 | 930-C5-S-12-075 | 50.0 | 12.0 | 46 | 75.0 | 11.3 | 38.2 | 75.0 | 28.0 | 32.0 | 50.0 | 10° | 80 | 8.00 | 0.85 | 28000 |
| | 20 | 3 | 1 | 6 | 930-C5-S-20-085 | 50.0 | 20.0 | 51 | 85.0 | 16.0 | 49.2 | 85.0 | 38.0 | 42.0 | 50.0 | 7° | 80 | 8.00 | 1.04 | 28000 |
| | 20 | 3 | 1 | 6 | 930-C5-S-20-125 | 50.0 | 20.0 | 51 | 125.0 | 16.0 | 49.2 | 125.0 | 38.0 | 42.0 | 50.0 | 7° | 80 | 8.00 | 1.63 | 28000 |
| | 25 | 3 | 1 | 3 | 930-C5-S-25-091 | 50.0 | 25.0 | 57 | 91.0 | 12.9 | 91.0 | | 45.0 | 50.0 | | 11° | 80 | 8.00 | 1.28 | 28000 |
| C6 | 25 | 3 | 1 | 6 | 930-C6-S-25-098 | 63.0 | 25.0 | 57 | 98.0 | 12.9 | 72.1 | 98.0 | 45.0 | 50.0 | 63.0 | 11° | 80 | 8.00 | 1.70 | 20000 |
| C8 | 25 | 3 | 1 | 6 | 930-C8-S-25-108 | 80.0 | 25.0 | 57 | 108.0 | 12.9 | 72.0 | 108.0 | 45.0 | 50.0 | 80.0 | 11° | 80 | 8.00 | 2.74 | 14000 |

DSGN 10






| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | $BHTA_1$ | BAR | NM | KG | RPMX |
| C6 | 6 | 3 | 1 | 10 | 930-C6-S-06-074 | 63.0 | 6.0 | 37 | 74.0 | 11.3 | 30.2 | 48.1 | 22.0 | 26.0 | 50.0 | 10° | 80 | 8.00 | 1.15 | 20000 |
| | 8 | 3 | 1 | 10 | 930-C6-S-08-076 | 63.0 | 8.0 | 37 | 76.0 | 11.3 | 32.2 | 50.1 | 24.0 | 28.0 | 50.0 | 10° | 80 | 8.00 | 1.17 | 20000 |
| | 10 | 3 | 1 | 10 | 930-C6-S-10-078 | 63.0 | 10.0 | 41 | 78.0 | 11.3 | 34.2 | 52.1 | 26.0 | 30.0 | 50.0 | 10° | 80 | 8.00 | 1.20 | 20000 |
| | 12 | 3 | 1 | 10 | 930-C6-S-12-082 | 63.0 | 12.0 | 46 | 82.0 | 11.3 | 38.2 | 56.0 | 28.0 | 32.0 | 50.0 | 10° | 80 | 8.00 | 1.26 | 20000 |
| | 20 | 3 | 1 | 10 | 930-C6-S-20-091 | 63.0 | 20.0 | 51 | 91.0 | 16.0 | 49.2 | 65.1 | 38.0 | 42.0 | 50.0 | 7° | 80 | 8.00 | 1.45 | 20000 |
| | 20 | 3 | 1 | 10 | 930-C6-S-20-150 | 63.0 | 20.0 | 51 | 150.0 | 16.0 | 49.2 | 66.8 | 38.0 | 42.0 | 50.0 | 7° | 80 | 8.00 | 2.55 | 20000 |
| C8 | 12 | 3 | 1 | 10 | 930-C8-S-12-094 | 80.0 | 12.0 | 46 | 94.0 | 11.3 | 38.2 | 59.0 | 28.0 | 32.0 | 50.0 | 10° | 80 | 8.00 | 2.36 | 14000 |
| | 20 | 3 | 1 | 10 | 930-C8-S-20-103 | 80.0 | 20.0 | 51 | 103.0 | 16.0 | 49.2 | 68.0 | 38.0 | 42.0 | 50.0 | 7° | 80 | 8.00 | 2.54 | 14000 |
| | 20 | 3 | 1 | 10 | 930-C8-S-20-175 | 80.0 | 20.0 | 51 | 175.0 | 16.0 | 49.2 | 70.0 | 38.0 | 42.0 | 50.0 | 7° | 80 | 8.00 | 4.39 | 14000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

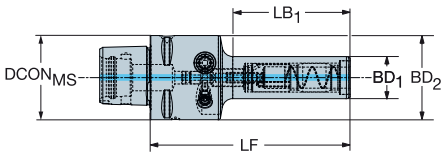
M1 N23 N6 N15 N4

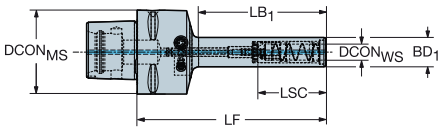
# Coromant Capto® a CoroChuck™ 930

**Diseño tipo lápiz**

DSGN 2 5

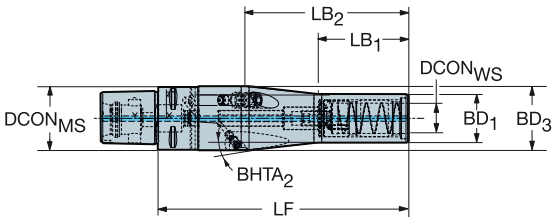





| | | | | | | Dimensiones, mm | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | BAR | NM | KG | RPMX |
| C4 | 6 | 3 | 1 | 2 | 930-C4-P-06-085 | 40.0 | 6.0 | 37 | 85.0 | 45.8 | 85.0 | | 14.5 | 40.0 | | 80 | 8.00 | 0.42 | 39000 |
| | 8 | 3 | 1 | 2 | 930-C4-P-08-085 | 40.0 | 8.0 | 37 | 85.0 | 45.8 | 85.0 | | 17.5 | 40.0 | | 80 | 8.00 | 0.45 | 39000 |
| | 10 | 3 | 1 | 2 | 930-C4-P-10-095 | 40.0 | 10.0 | 41 | 95.0 | 55.8 | 95.0 | | 20.0 | 40.0 | | 80 | 8.00 | 0.50 | 39000 |
| | 10 | 3 | 1 | 2 | 930-C4-P-10-135 | 40.0 | 10.0 | 41 | 135.0 | 95.8 | 135.0 | | 20.0 | 40.0 | | 80 | 8.00 | 0.59 | 39000 |
| | 12 | 3 | 1 | 2 | 930-C4-P-12-100 | 40.0 | 12.0 | 46 | 100.0 | 60.8 | 100.0 | | 22.0 | 40.0 | | 80 | 8.00 | 0.56 | 39000 |
| | 12 | 3 | 1 | 2 | 930-C4-P-12-135 | 40.0 | 12.0 | 46 | 135.0 | 95.8 | 135.0 | | 22.0 | 40.0 | | 80 | 8.00 | 0.66 | 39000 |
| C5 | 6 | 3 | 1 | 5 | 930-C5-P-06-088 | 50.0 | 6.0 | 37 | 88.0 | 47.9 | 65.0 | 88.0 | 14.5 | 40.0 | 50.0 | 80 | 8.00 | 0.67 | 28000 |
| | 8 | 3 | 1 | 5 | 930-C5-P-08-088 | 50.0 | 8.0 | 37 | 88.0 | 45.8 | 64.9 | 88.0 | 17.5 | 40.0 | 50.0 | 80 | 8.00 | 0.65 | 28000 |
| | 10 | 3 | 1 | 5 | 930-C5-P-10-098 | 50.0 | 10.0 | 41 | 98.0 | 55.8 | 74.9 | 98.0 | 20.0 | 40.0 | 50.0 | 80 | 8.00 | 0.70 | 28000 |
| | 10 | 3 | 1 | 5 | 930-C5-P-10-138 | 50.0 | 10.0 | 41 | 138.0 | 95.8 | 114.9 | 138.0 | 20.0 | 40.0 | 50.0 | 80 | 8.00 | 0.80 | 28000 |
| | 12 | 3 | 1 | 5 | 930-C5-P-12-103 | 50.0 | 12.0 | 46 | 103.0 | 60.8 | 80.0 | 103.0 | 22.0 | 40.0 | 50.0 | 80 | 8.00 | 0.78 | 28000 |
| | 12 | 3 | 1 | 5 | 930-C5-P-12-138 | 50.0 | 12.0 | 46 | 138.0 | 95.8 | 115.0 | 138.0 | 22.0 | 40.0 | 50.0 | 80 | 8.00 | 0.88 | 28000 |
| C6 | 6 | 3 | 1 | 5 | 930-C6-P-06-091 | 63.0 | 6.0 | 37 | 91.0 | 47.9 | 64.9 | 91.0 | 14.5 | 40.0 | 63.0 | 80 | 8.00 | 1.03 | 20000 |
| | 8 | 3 | 1 | 5 | 930-C6-P-08-091 | 63.0 | 8.0 | 37 | 91.0 | 45.8 | 64.9 | 91.0 | 17.5 | 40.0 | 63.0 | 80 | 8.00 | 1.00 | 20000 |
| | 10 | 3 | 1 | 5 | 930-C6-P-10-102 | 63.0 | 10.0 | 41 | 102.0 | 55.8 | 75.0 | 102.0 | 20.0 | 40.0 | 63.0 | 80 | 8.00 | 1.07 | 20000 |
| | 10 | 3 | 1 | 5 | 930-C6-P-10-142 | 63.0 | 10.0 | 41 | 142.0 | 95.8 | 115.0 | 142.0 | 20.0 | 40.0 | 63.0 | 80 | 8.00 | 1.16 | 20000 |
| | 12 | 3 | 1 | 5 | 930-C6-P-12-107 | 63.0 | 12.0 | 46 | 107.0 | 60.8 | 80.0 | 107.0 | 22.0 | 40.0 | 63.0 | 80 | 8.00 | 1.14 | 20000 |
| | 12 | 3 | 1 | 5 | 930-C6-P-12-142 | 63.0 | 12.0 | 46 | 142.0 | 95.8 | 115.0 | 142.0 | 22.0 | 40.0 | 63.0 | 80 | 8.00 | 1.25 | 20000 |
| C8 | 12 | 3 | 1 | 5 | 930-C8-P-12-120 | 80.0 | 12.0 | 46 | 120.0 | 60.8 | 83.0 | 120.0 | 22.0 | 40.0 | 80.0 | 80 | 8.00 | 2.23 | 14000 |
| | 12 | 3 | 1 | 5 | 930-C8-P-12-155 | 80.0 | 12.0 | 46 | 155.0 | 95.8 | 118.0 | 155.0 | 22.0 | 40.0 | 80.0 | 80 | 8.00 | 2.38 | 14000 |






| | | | | | Dimensiones, mm | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_3$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| C4 | 20 | 3 | 1 | 930-C4-P-20-160 | 40.0 | 20.0 | 51 | 160.0 | 60.0 | 108.0 | 32.0 | 42.0 | 5° | 80 | 8.00 | 1.22 | 39000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N6 N15 N4

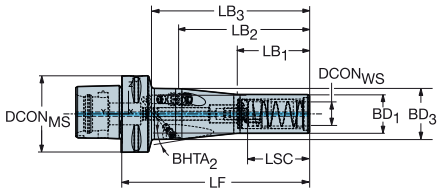
SPA

# Coromant Capto®  a CoroChuck™ 930

**Diseño tipo lápiz**

DSGN 11

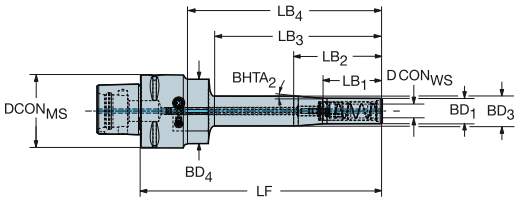





| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_3$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| C4 | 12 | 3 | 1 | 11 | **930-C4-P-12-185** | 40.0 | 12.0 | 46 | 185.0 | 50.0 | 75.0 | 145.8 | 22.0 | 26.0 | 4° | 80 | 8.00 | 0.94 | 39000 |
| C5 | 20 | 3 | 1 | 11 | **930-C5-P-20-151** | 50.0 | 20.0 | 51 | 151.0 | 60.0 | 108.0 | 128.0 | 32.0 | 42.0 | 6° | 80 | 8.00 | 1.32 | 28000 |
| | 20 | 3 | 1 | 11 | **930-C5-P-20-231** | 50.0 | 20.0 | 51 | 231.0 | 60.0 | 188.0 | 208.0 | 32.0 | 42.0 | 2° | 80 | 8.00 | 2.00 | 28000 |
| C6 | 20 | 3 | 1 | 11 | **930-C6-P-20-155** | 63.0 | 20.0 | 51 | 155.0 | 60.0 | 108.0 | 128.1 | 32.0 | 42.0 | 6° | 80 | 8.00 | 1.68 | 20000 |
| | 20 | 3 | 1 | 11 | **930-C6-P-20-235** | 63.0 | 20.0 | 51 | 235.0 | 60.0 | 188.0 | 208.1 | 32.0 | 42.0 | 2° | 80 | 8.00 | 2.38 | 20000 |
| C8 | 20 | 3 | 1 | 11 | **930-C8-P-20-165** | 80.0 | 20.0 | 51 | 165.0 | 60.0 | 108.0 | 128.1 | 32.0 | 42.0 | 6° | 80 | 8.00 | 2.80 | 14000 |
| | 20 | 3 | 1 | 11 | **930-C8-P-20-245** | 80.0 | 20.0 | 51 | 245.0 | 60.0 | 188.0 | 208.1 | 32.0 | 42.0 | 2° | 80 | 8.00 | 3.44 | 14000 |

DSGN 17






| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_3$ | $BD_4$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| C5 | 12 | 3 | 1 | 17 | **930-C5-P-12-188** | 50.0 | 12.0 | 46 | 188.0 | 50.0 | 75.0 | 145.8 | 167.0 | 22.0 | 26.0 | 40.0 | 4° | 80 | 8.00 | 1.18 | 28000 |
| C6 | 12 | 3 | 1 | 17 | **930-C6-P-12-192** | 63.0 | 12.0 | 46 | 192.0 | 50.0 | 75.0 | 145.8 | 167.0 | 22.0 | 26.0 | 40.0 | 4° | 80 | 8.00 | 1.57 | 20000 |
| C8 | 12 | 3 | 1 | 17 | **930-C8-P-12-205** | 80.0 | 12.0 | 46 | 205.0 | 50.0 | 75.0 | 145.8 | 170.0 | 22.0 | 26.0 | 40.0 | 4° | 80 | 8.00 | 2.63 | 14000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N6 N15 N4

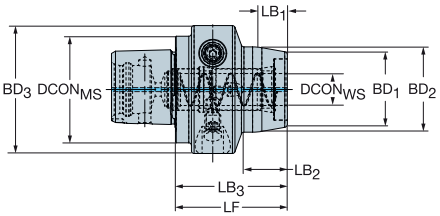
# Coromant Capto® a CoroChuck™ 930

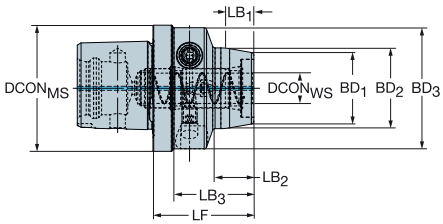
**Para portaherramientas motorizados**

**Solo para sujeción por segmento y cambio de herramienta manual**

DSGN 6 10






| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_2$ | $BD_3$ | $BD_4$ | $BHTA_1$ | BAR | KG | RPMX |
| C3 | 12 | 3 | 1 | 6 | **930-C3-T-12-046** | 32.0 | 12.0 | 46 | 46.0 | 11.3 | 22.8 | 46.0 | | 28.0 | 32.0 | 48.0 | | 10° | 80 | 0.39 | 10000 |
| C4 | 12 | 3 | 1 | 6 | **930-C4-T-12-042** | 40.0 | 12.0 | 46 | 42.0 | 11.3 | 17.0 | 42.0 | | 28.0 | 32.0 | 48.0 | | 10° | 80 | 0.46 | 10000 |
| | 20 | 3 | 1 | 6 | **930-C4-T-20-058** | 40.0 | 20.0 | 51 | 58.0 | 16.0 | 34.3 | 58.0 | | 38.1 | 42.0 | 57.0 | | 7° | 80 | 0.70 | 10000 |
| C5 | 12 | 3 | 1 | 10 | **930-C5-T-12-040** | 50.0 | 12.0 | 46 | 40.0 | 11.3 | 16.1 | 32.0 | 40.0 | 28.0 | 32.0 | 48.0 | 50.0 | 10° | 80 | 0.56 | 10000 |
| | 20 | 3 | 1 | 6 | **930-C5-T-20-046** | 50.0 | 20.0 | 51 | 46.0 | 11.3 | 22.1 | 46.0 | | 38.1 | 42.0 | 57.0 | | 10° | 80 | 0.68 | 10000 |

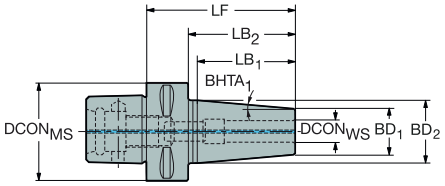
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N6 N15 N4

SPA

# Coromant Capto® a adaptador portapinzas de ajuste por contracción térmica

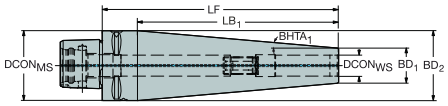





## Diseño corto

| | | | | | Dimensiones, mm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | $BHTA_1$ | BAR | KG | RPMX |
| C4 | 6 | 3 | 1 | C4-391.19-06 075 | 40.0 | 6.0 | 75.0 | 44.1 | 55.0 | 20.0 | 27.0 | 4° | 80 | 0.43 | 39000 |
| | 8 | 3 | 1 | C4-391.19-08 075 | 40.0 | 8.0 | 75.0 | 44.1 | 55.0 | 20.0 | 27.0 | 4° | 80 | 0.45 | 39000 |
| | 10 | 3 | 1 | C4-391.19-10 075 | 40.0 | 10.0 | 75.0 | 50.5 | 55.0 | 24.0 | 32.0 | 4° | 80 | 0.52 | 39000 |
| | 12 | 3 | 1 | C4-391.19-12 075 | 40.0 | 12.0 | 75.0 | 50.5 | 55.0 | 24.0 | 32.0 | 4° | 80 | 0.50 | 39000 |
| | 14 | 3 | 1 | C4-391.19-14 080 | 40.0 | 14.0 | 80.0 | 44.1 | 60.0 | 27.0 | 34.0 | 4° | 80 | 0.58 | 39000 |
| | 16 | 3 | 1 | C4-391.19-16 080 | 40.0 | 16.0 | 80.0 | 44.1 | 60.0 | 27.0 | 34.0 | 4° | 80 | 0.56 | 39000 |
| C5 | 6 | 3 | 1 | C5-391.19-06 075 | 50.0 | 6.0 | 75.0 | 44.1 | 55.0 | 20.0 | 27.0 | 4° | 80 | 0.64 | 28000 |
| | 8 | 3 | 1 | C5-391.19-08 075 | 50.0 | 8.0 | 75.0 | 43.9 | 55.0 | 20.0 | 27.0 | 4° | 80 | 0.63 | 28000 |
| | 10 | 3 | 1 | C5-391.19-10 075 | 50.0 | 10.0 | 75.0 | 50.2 | 55.0 | 24.0 | 32.0 | 4° | 80 | 0.70 | 28000 |
| | 12 | 3 | 1 | C5-391.19-12 075 | 50.0 | 12.0 | 75.0 | 50.2 | 55.0 | 24.0 | 32.0 | 4° | 80 | 0.68 | 28000 |
| | 14 | 3 | 1 | C5-391.19-14 080 | 50.0 | 14.0 | 80.0 | 44.1 | 60.0 | 27.0 | 34.0 | 4° | 80 | 0.76 | 28000 |
| | 16 | 3 | 1 | C5-391.19-16 080 | 50.0 | 16.0 | 80.0 | 44.1 | 60.0 | 27.0 | 34.0 | 4° | 80 | 0.73 | 28000 |
| | 18 | 3 | 1 | C5-391.19-18 080 | 50.0 | 18.0 | 80.0 | 56.9 | 60.0 | 33.0 | 42.0 | 4° | 80 | 0.90 | 28000 |
| | 20 | 3 | 1 | C5-391.19-20 085 | 50.0 | 20.0 | 85.0 | 56.9 | 65.0 | 33.0 | 42.0 | 4° | 80 | 0.90 | 28000 |
| C6 | 6 | 3 | 1 | C6-391.19-06 080 | 63.0 | 6.0 | 80.0 | 44.1 | 58.0 | 20.0 | 27.0 | 4° | 80 | 0.99 | 20000 |
| | 8 | 3 | 1 | C6-391.19-08 080 | 63.0 | 8.0 | 80.0 | 44.1 | 58.0 | 20.0 | 27.0 | 4° | 80 | 0.99 | 20000 |
| | 10 | 3 | 1 | C6-391.19-10 080 | 63.0 | 10.0 | 80.0 | 50.5 | 58.0 | 24.0 | 32.0 | 4° | 80 | 1.05 | 20000 |
| | 12 | 3 | 1 | C6-391.19-12 080 | 63.0 | 12.0 | 80.0 | 50.5 | 58.0 | 24.0 | 32.0 | 4° | 80 | 1.05 | 20000 |
| | 14 | 3 | 1 | C6-391.19-14 085 | 63.0 | 14.0 | 85.0 | 44.1 | 63.0 | 27.0 | 34.0 | 4° | 80 | 1.11 | 20000 |
| | 16 | 3 | 1 | C6-391.19-16 085 | 63.0 | 16.0 | 85.0 | 44.1 | 63.0 | 27.0 | 34.0 | 4° | 80 | 1.10 | 20000 |
| | 18 | 3 | 1 | C6-391.19-18 085 | 63.0 | 18.0 | 85.0 | 56.9 | 63.0 | 33.0 | 42.0 | 4° | 80 | 1.27 | 20000 |
| | 20 | 3 | 1 | C6-391.19-20 085 | 63.0 | 20.0 | 85.0 | 56.9 | 63.0 | 33.0 | 42.0 | 4° | 80 | 1.24 | 20000 |
| | 25 | 3 | 1 | C6-391.19-25 090 | 63.0 | 25.0 | 90.0 | 56.9 | 68.0 | 44.0 | 53.0 | 4° | 80 | 1.60 | 20000 |
| | 32 | 3 | 1 | C6-391.19-32 095 | 63.0 | 32.0 | 95.0 | 56.9 | 73.0 | 44.0 | 53.0 | 4° | 80 | 1.51 | 20000 |
| C8 | 10 | 3 | 1 | C8-391.19-10 090 | 80.0 | 10.0 | 90.0 | 50.2 | 60.0 | 24.0 | 32.0 | 4° | 80 | 2.07 | 14000 |
| | 12 | 3 | 1 | C8-391.19-12 090 | 80.0 | 12.0 | 90.0 | 50.2 | 60.0 | 24.0 | 32.0 | 4° | 80 | 2.06 | 14000 |
| | 16 | 3 | 1 | C8-391.19-16 095 | 80.0 | 16.0 | 95.0 | 43.8 | 65.0 | 27.0 | 34.0 | 4° | 80 | 2.09 | 14000 |
| | 20 | 3 | 1 | C8-391.19-20 095 | 80.0 | 20.0 | 95.0 | 56.5 | 65.0 | 33.0 | 42.0 | 4° | 80 | 2.21 | 14000 |
| | 25 | 3 | 1 | C8-391.19-25 100 | 80.0 | 25.0 | 100.0 | 56.5 | 70.0 | 44.0 | 53.0 | 4° | 80 | 2.58 | 14000 |
| C10 | 12 | 3 | 1 | C10-391.19-12 095 | 100.0 | 12.0 | 95.0 | 50.5 | 59.0 | 24.0 | 32.0 | 4° | 80 | 3.65 | 10000 |
| | 16 | 3 | 1 | C10-391.19-16 100 | 100.0 | 16.0 | 100.0 | 44.1 | 64.0 | 27.0 | 34.0 | 4° | 80 | 3.72 | 10000 |
| | 20 | 3 | 1 | C10-391.19-20 100 | 100.0 | 20.0 | 100.0 | 56.9 | 64.0 | 33.0 | 42.0 | 4° | 80 | 3.83 | 10000 |
| | 25 | 3 | 1 | C10-391.19-25 110 | 100.0 | 25.0 | 110.0 | 56.9 | 74.0 | 44.0 | 53.0 | 4° | 80 | 4.31 | 10000 |






## Diseño cónico largo

| | | | | | Dimensiones, mm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $BD_1$ | $BD_2$ | $BHTA_1$ | BAR | KG | RPMX | |
| C3 | 6 | 3 | 1 | C3-391.19-06 118 | 32.0 | 6.0 | 118.0 | 103.0 | 14.0 | 32.0 | 5° | 80 | 0.45 | 55000 | |
| | 8 | 3 | 1 | C3-391.19-08 107 | 32.0 | 8.0 | 107.0 | 92.0 | 16.0 | 32.0 | 5° | 80 | 0.44 | 55000 | |
| | 10 | 3 | 1 | C3-391.19-10 095 | 32.0 | 10.0 | 95.0 | 80.0 | 18.0 | 32.0 | 5° | 80 | 0.40 | 55000 | |
| | 12 | 3 | 1 | C3-391.19-12 084 | 32.0 | 12.0 | 84.0 | 69.0 | 20.0 | 32.0 | 5° | 80 | 0.38 | 55000 | |
| C4 | 12 | 3 | 1 | C4-391.19-12 135 | 40.0 | 12.0 | 135.0 | 115.0 | 20.0 | 40.0 | 5° | 80 | 0.84 | 39000 | |
| | 16 | 3 | 1 | C4-391.19-16 112 | 40.0 | 16.0 | 112.0 | 92.0 | 24.0 | 40.0 | 5° | 80 | 0.77 | 39000 | |
| | 18 | 3 | 1 | C4-391.19-18 080 | 40.0 | 18.0 | 80.0 | 56.9 | 33.0 | 42.0 | 4° | 80 | 0.69 | 39000 | |
| | 20 | 3 | 1 | C4-391.19-20 085 | 40.0 | 20.0 | 85.0 | 56.9 | 33.0 | 42.0 | 4° | 80 | 0.71 | 39000 | |
| C5 | 20 | 3 | 1 | C5-391.19-20 146 | 50.0 | 20.0 | 146.0 | 126.0 | 28.0 | 50.0 | 5° | 80 | 1.45 | 28000 | |
| | 25 | 3 | 1 | C5-391.19-25 090 | 50.0 | 25.0 | 90.0 | 56.9 | 44.0 | 53.0 | 4° | 80 | 1.26 | 28000 | |
| | 25 | 3 | 1 | C5-391.19-25 118 | 50.0 | 25.0 | 118.0 | 98.0 | 33.0 | 50.0 | 5° | 80 | 1.25 | 28000 | |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

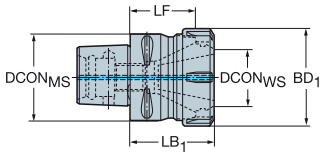
M1 N23 N15

# Coromant Capto® a portapinzas ER

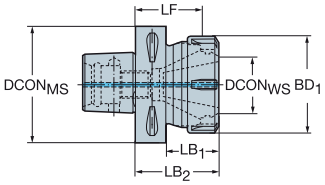
**Adaptador del lado de la pieza DIN 6499-B**



DSGN 1

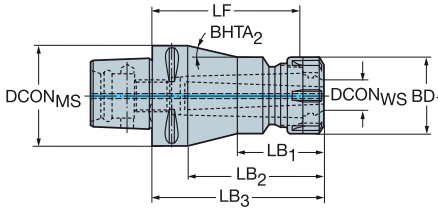



2




| | | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | KG | RPMX |
| C3 | ER16 | 3 | 1 | 2 | C3-391.14-16 045 | 32.0 | 17.0 | 34.4 | 29.0 | 45.0 | 28.0 | 32.0 | 80 | 0.20 | 55000 |
| | ER20 | 3 | 1 | 1 | C3-391.14-20 045 | 32.0 | 21.0 | 33.5 | 45.0 | | 33.7 | | 80 | 0.22 | 55000 |
| C4 | ER20 | 3 | 1 | 2 | C4-391.14-20 052 | 40.0 | 21.0 | 40.5 | 30.8 | 52.0 | 33.7 | 40.0 | 80 | 0.37 | 39000 |
| | ER25 | 3 | 1 | 1 | C4-391.14-25 052 | 40.0 | 26.0 | 40.0 | 52.0 | | 42.0 | | 80 | 0.42 | 39000 |
| | ER32 | 3 | 1 | 1 | C4-391.14-32 054 | 40.0 | 33.0 | 41.0 | 54.0 | | 50.0 | | 80 | 0.46 | 39000 |
| C5 | ER20 | 3 | 1 | 2 | C5-391.14-20 055 | 50.0 | 21.0 | 43.5 | 31.1 | 55.0 | 33.7 | 50.0 | 80 | 0.62 | 28000 |
| | ER25 | 3 | 1 | 2 | C5-391.14-25 055 | 50.0 | 26.0 | 43.0 | 33.0 | 55.0 | 42.0 | 50.0 | 80 | 0.63 | 28000 |
| | ER32 | 3 | 1 | 1 | C5-391.14-32 057 | 50.0 | 33.0 | 44.0 | 57.0 | | 50.0 | | 80 | 0.68 | 28000 |
| | ER32 | 3 | 1 | 1 | C5-391.14-32 100 | 50.0 | 33.0 | 87.0 | 100.0 | | 50.0 | | 80 | 1.28 | 28000 |
| | ER40 | 3 | 1 | 1 | C5-391.14-40 060 | 50.0 | 41.0 | 45.0 | 60.0 | | 63.0 | | 80 | 0.81 | 28000 |
| C6 | ER25 | 3 | 1 | 2 | C6-391.14-25 060 | 63.0 | 26.0 | 48.0 | 32.9 | 60.0 | 42.0 | 63.0 | 80 | 1.04 | 20000 |
| | ER25 | 3 | 1 | 2 | C6-391.14-25 100 | 63.0 | 26.0 | 88.0 | 75.0 | 100.0 | 42.0 | 63.0 | 80 | 1.44 | 20000 |
| | ER32 | 3 | 1 | 2 | C6-391.14-32 060 | 63.0 | 33.0 | 47.0 | 35.3 | 60.0 | 50.0 | 63.0 | 80 | 1.06 | 20000 |
| | ER32 | 3 | 1 | 2 | C6-391.14-32 100 | 63.0 | 33.0 | 87.0 | 75.0 | 100.0 | 50.0 | 63.0 | 80 | 1.60 | 20000 |
| | ER40 | 3 | 1 | 1 | C6-391.14-40 065 | 63.0 | 41.0 | 50.0 | 65.0 | | 63.0 | | 80 | 1.22 | 20000 |
| | ER40 | 3 | 1 | 1 | C6-391.14-40 130 | 63.0 | 41.0 | 115.0 | 130.0 | | 63.0 | | 80 | 2.77 | 20000 |
| C8 | ER20 | 3 | 1 | 2 | C8-391.14-20 065 | 80.0 | 21.0 | 53.5 | 29.9 | 65.0 | 35.0 | 80.0 | 80 | 2.02 | 14000 |
| | ER25 | 3 | 1 | 2 | C8-391.14-25 070 | 80.0 | 26.0 | 58.0 | 32.4 | 70.0 | 42.0 | 80.0 | 80 | 2.10 | 14000 |
| | ER32 | 3 | 1 | 2 | C8-391.14-32 070 | 80.0 | 33.0 | 57.0 | 35.0 | 70.0 | 50.0 | 80.0 | 80 | 2.13 | 14000 |
| | ER40 | 3 | 1 | 2 | C8-391.14-40 070 | 80.0 | 41.0 | 55.0 | 38.0 | 70.0 | 63.0 | 80.0 | 80 | 2.19 | 14000 |
| | ER50 | 3 | 1 | 2 | C8-391.14-50 080 | 80.0 | 52.0 | 59.0 | 50.0 | 80.0 | 78.0 | 80.0 | 80 | 2.46 | 14000 |






| | | | | | Dimensiones, mm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BHTA_2$ | BAR | KG | RPMX |
| C4 | ER16 | 3 | 1 | C4-391.14-16 070 | 40.0 | 17.0 | 59.4 | 44.0 | 50.0 | 70.0 | 28.0 | 45° | 80 | 0.42 | 39000 |
| C5 | ER16 | 3 | 1 | C5-391.14-16 100 | 50.0 | 17.0 | 89.4 | 60.0 | 80.0 | 100.0 | 28.0 | 29° | 80 | 0.90 | 28000 |
| | ER20 | 3 | 1 | C5-391.14-20 100 | 50.0 | 21.0 | 88.5 | 55.0 | 80.0 | 100.0 | 35.0 | 16° | 80 | 1.00 | 28000 |
| | ER20 | 3 | 1 | C5-391.14-20 130 | 50.0 | 21.0 | 118.5 | 55.0 | 109.9 | 130.0 | 35.0 | 7° | 80 | 1.31 | 28000 |
| | ER25 | 3 | 1 | C5-391.14-25 100 | 50.0 | 26.0 | 88.0 | 65.0 | 80.0 | 100.0 | 42.0 | 14° | 80 | 1.13 | 28000 |
| C6 | ER16 | 3 | 1 | C6-391.14-16 100 | 63.0 | 17.0 | 89.4 | 60.0 | 78.0 | 100.0 | 28.0 | 44° | 80 | 1.26 | 20000 |
| | ER20 | 3 | 1 | C6-391.14-20 060 | 63.0 | 21.0 | 48.5 | 31.1 | 38.0 | 60.0 | 33.7 | 65° | 80 | 1.00 | 20000 |
| | ER25 | 3 | 1 | C6-391.14-25 130 | 63.0 | 26.0 | 118.0 | 65.0 | 108.0 | 130.0 | 42.0 | 13° | 80 | 1.90 | 20000 |
| | ER25 | 3 | 1 | C6-391.14-25 160 | 63.0 | 26.0 | 148.0 | 65.0 | 138.0 | 160.0 | 42.0 | 8° | 80 | 2.50 | 20000 |
| | ER32 | 3 | 1 | C6-391.14-32 130 | 63.0 | 33.0 | 117.0 | 75.0 | 108.0 | 130.0 | 50.0 | 11° | 80 | 2.22 | 20000 |
| C8 | ER32 | 3 | 1 | C8-391.14-32 160 | 80.0 | 33.0 | 147.0 | 75.0 | 130.0 | 160.0 | 50.0 | 15° | 80 | 0.30 | 14000 |
| | ER40 | 3 | 1 | C8-391.14-40 160 | 80.0 | 41.0 | 145.0 | 95.0 | 130.0 | 160.0 | 63.0 | 13° | 80 | 4.58 | 14000 |
| C10 | ER32 | 3 | 1 | C10-391.14-32 160 | 100.0 | 33.0 | 147.0 | 75.0 | 124.0 | 160.0 | 50.0 | 27° | 80 | 5.98 | 10000 |
| | ER40 | 3 | 1 | C10-391.14-40 160 | 100.0 | 41.0 | 145.0 | 95.0 | 124.0 | 160.0 | 63.0 | 32° | 80 | 6.32 | 10000 |
| | ER50 | 3 | 1 | C10-391.14-50 160 | 100.0 | 52.0 | 139.0 | 100.0 | 124.0 | 160.0 | 80.0 | 22° | 80 | 7.21 | 10000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

SPA

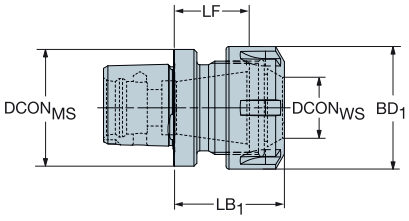
# Coromant Capto® a portapinzas ER

**Adaptador del lado de la pieza DIN 6499-B**

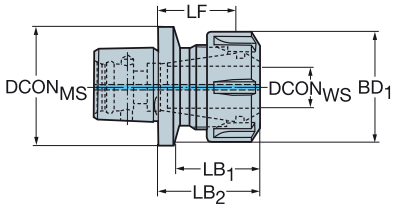
**Diseño corto, solo para sujeción de segmentos**

DSGN 1






2



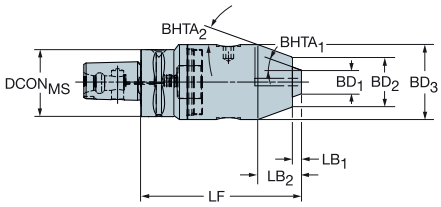

| | | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | KG | RPMX |
| C3 | ER16 | 3 | 1 | 2 | C3-391.14-16 035 | 32.0 | 17.0 | 24.0 | 26.6 | 34.6 | 28.0 | 32.0 | 80 | 0.10 | 55000 |
| | ER20 | 3 | 1 | 1 | C3-391.14-20 036 | 32.0 | 21.0 | 24.5 | 36.0 | | 33.7 | | 80 | 0.17 | 55000 |
| C4 | ER16 | 3 | 1 | 2 | C4-391.14-16 035 | 40.0 | 17.0 | 24.0 | 26.6 | 34.6 | 28.0 | 40.0 | 80 | 0.20 | 39000 |
| | ER20 | 3 | 1 | 2 | C4-391.14-20 035 | 40.0 | 21.0 | 23.5 | 27.0 | 35.0 | 33.7 | 40.0 | 80 | 0.25 | 39000 |
| | ER25 | 3 | 1 | 1 | C4-391.14-25 038 | 40.0 | 26.0 | 26.0 | 38.0 | | 42.0 | | 80 | 0.30 | 39000 |
| C5 | ER20 | 3 | 1 | 2 | C5-391.14-20 036 | 50.0 | 21.0 | 24.0 | 27.5 | 35.5 | 35.0 | 50.0 | 80 | 0.30 | 28000 |
| | ER25 | 3 | 1 | 2 | C5-391.14-25 037 | 50.0 | 26.0 | 25.0 | 29.0 | 37.0 | 42.0 | 50.0 | 80 | 0.30 | 28000 |
| | ER32 | 3 | 1 | 1 | C5-391.14-32 045 | 50.0 | 33.0 | 32.0 | 45.0 | | 50.0 | | 80 | 0.52 | 28000 |

# Coromant Capto® a adaptador portabrocas

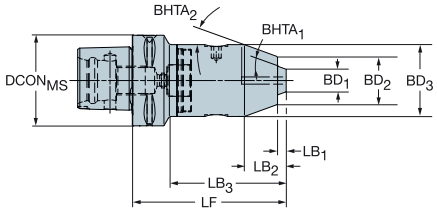
**Suministro de refrigerante interior y exterior**

DSGN 8






16




| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | $DCON_{MS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_2$ | $BD_3$ | $BD_4$ | $BHTA_1$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| C3 | 8 - 1 | 3 | 1 | 8 | C3-391.32-08 076 | 32.0 | 76.0 | 3.0 | 19.1 | 76.0 | | 9.9 | 24.1 | 36.0 | | 19° | 20° | 50 | 10.00 | 0.54 | 8000 |
| | 1 - 13 | 3 | 1 | 8 | C3-391.32-13 102 | 32.0 | 96.0 | 6.0 | 22.2 | 102.0 | | 15.7 | 38.1 | 50.0 | | 19° | 20° | 50 | 20.00 | 1.14 | 8000 |
| C4 | 8 - 1 | 3 | 1 | 16 | C4-391.32-08 077 | 40.0 | 77.0 | 3.0 | 19.1 | 55.8 | 77.0 | 9.9 | 24.1 | 36.0 | 40.0 | 19° | 20° | 50 | 10.00 | 0.64 | 8000 |
| | 1 - 13 | 3 | 1 | 8 | C4-391.32-13 104 | 40.0 | 98.0 | 6.0 | 22.2 | 104.0 | | 15.7 | 38.1 | 50.0 | | 19° | 20° | 50 | 20.00 | 1.24 | 8000 |
| C5 | 8 - 1 | 3 | 1 | 16 | C5-391.32-08 079 | 50.0 | 76.0 | 3.0 | 19.1 | 53.6 | 79.0 | 9.9 | 24.1 | 36.0 | 50.0 | 19° | 20° | 50 | 10.00 | 0.85 | 8000 |
| | 1 - 13 | 3 | 1 | 8 | C5-391.32-13 103 | 50.0 | 97.0 | 6.0 | 22.2 | 103.0 | | 15.7 | 38.1 | 50.0 | | 19° | 20° | 50 | 20.00 | 1.41 | 8000 |
| C6 | 1 - 13 | 3 | 1 | 16 | C6-391.32-13 107 | 63.0 | 101.0 | 6.0 | 22.2 | 79.8 | 107.0 | 15.7 | 38.1 | 50.0 | 63.0 | 19° | 20° | 50 | 20.00 | 1.79 | 8000 |
| | 16 - 1 | 3 | 1 | 16 | C6-391.32-16 112 | 63.0 | 106.0 | 6.0 | 22.2 | 88.4 | 112.0 | 15.7 | 45.1 | 57.0 | 63.0 | 19° | 20° | 50 | 20.00 | 2.02 | 8000 |
| C8 | 1 - 13 | 3 | 1 | 16 | C8-391.32-13 112 | 80.0 | 106.0 | 6.0 | 22.2 | 77.1 | 112.0 | 15.7 | 38.1 | 50.0 | 80.0 | 19° | 20° | 50 | 20.00 | 2.78 | 8000 |
| | 16 - 1 | 3 | 1 | 16 | C8-391.32-16 117 | 80.0 | 111.0 | 6.0 | 31.2 | 84.2 | 117.0 | 15.7 | 38.1 | 57.0 | 80.0 | 19° | 20° | 50 | 20.00 | 3.02 | 8000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


M1



N23



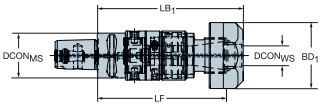
N15

# Coromant Capto® a CoroChuck™ 970

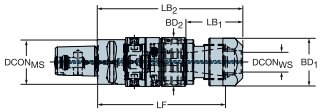
**Adaptador del lado de la pieza DIN 6499-B**



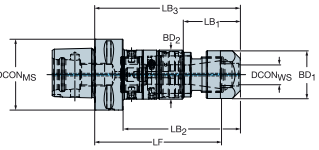
DSGN 1




2




5




| | | | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | TRMAX | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | BAR | KG | RPMX |
| C3 | ER11 | M5 | 3 | 1 | 5 | **970-C3-11-078** | 32.0 | 11.3 | 74.2 | 24.1 | 63.0 | 78.0 | 18.7 | 23.5 | 32.0 | 80 | 0.27 | 8000 |
| | ER20 | M12 | 3 | 1 | 2 | **970-C3-20-102** | 32.0 | 20.8 | 89.2 | 35.3 | 97.2 | | 33.7 | 35.0 | | 80 | 0.60 | 8000 |
| C4 | ER11 | M5 | 3 | 1 | 5 | **970-C4-11-080** | 40.0 | 11.3 | 76.2 | 24.1 | 60.0 | 80.0 | 18.7 | 23.5 | 40.0 | 80 | 0.40 | 8000 |
| | ER20 | M12 | 3 | 1 | 5 | **970-C4-20-102** | 40.0 | 20.8 | 89.2 | 35.3 | 76.9 | 97.2 | 33.7 | 35.0 | 40.0 | 80 | 0.68 | 8000 |
| | ER25 | M20 | 3 | 1 | 2 | **970-C4-25-122** | 40.0 | 25.8 | 108.1 | 37.1 | 116.6 | | 42.0 | 44.0 | | 80 | 1.04 | 8000 |
| C5 | ER20 | M12 | 3 | 1 | 5 | **970-C5-20-103** | 50.0 | 20.8 | 89.7 | 35.3 | 77.6 | 97.7 | 33.7 | 35.0 | 50.0 | 80 | 0.88 | 8000 |
| | ER25 | M20 | 3 | 1 | 5 | **970-C5-25-122** | 50.0 | 25.8 | 108.6 | 37.1 | 97.1 | 117.1 | 42.0 | 44.0 | 50.0 | 80 | 1.24 | 8000 |
| | ER40 | M30 | 3 | 1 | 1 | **970-C5-40-154** | 50.0 | 40.8 | 137.2 | 148.6 | | | 63.0 | | | 80 | 2.66 | 8000 |
| C6 | ER20 | M12 | 3 | 1 | 5 | **970-C6-20-105** | 63.0 | 20.8 | 91.7 | 35.3 | 77.6 | 99.7 | 33.7 | 35.0 | 63.0 | 80 | 1.21 | 8000 |
| | ER25 | M20 | 3 | 1 | 5 | **970-C6-25-124** | 63.0 | 25.8 | 110.6 | 37.1 | 97.1 | 119.1 | 42.0 | 44.0 | 63.0 | 80 | 1.57 | 8000 |
| | ER32 | M27 | 3 | 1 | 2 | **970-C6-32-128** | 63.0 | 32.8 | 118.3 | 105.8 | 127.8 | | 50.0 | 63.0 | | 80 | 1.53 | 8000 |
| | ER40 | M30 | 3 | 1 | 1 | **970-C6-40-154** | 63.0 | 40.8 | 136.7 | 148.1 | | | 63.0 | | | 80 | 2.95 | 8000 |
| | ER50 | M48 | 3 | 1 | 5 | **970-C6-50-210** | 63.0 | 52.0 | 187.5 | 76.5 | 134.5 | 208.0 | 77.7 | 80.0 | 86.0 | 80 | 4.90 | 8000 |
| C8 | ER20 | M12 | 3 | 1 | 5 | **970-C8-20-112** | 80.0 | 20.8 | 98.7 | 35.3 | 76.6 | 106.7 | 33.7 | 35.0 | 80.0 | 80 | 2.22 | 8000 |
| | ER25 | M20 | 3 | 1 | 5 | **970-C8-25-131** | 80.0 | 25.8 | 117.6 | 37.1 | 96.1 | 126.1 | 42.0 | 44.0 | 80.0 | 80 | 2.58 | 8000 |
| | ER32 | M27 | 3 | 1 | 2 | **970-C8-32-135** | 80.0 | 32.8 | 125.3 | 104.8 | 134.8 | | 50.0 | 80.0 | | 80 | 2.50 | 8000 |
| | ER40 | M30 | 3 | 1 | 2 | **970-C8-40-161** | 80.0 | 40.8 | 143.7 | 125.1 | 155.1 | | 63.0 | 80.0 | | 80 | 4.00 | 8000 |
| | ER50 | M48 | 3 | 1 | 5 | **970-C8-50-215** | 80.0 | 52.0 | 192.0 | 76.5 | 134.5 | 212.5 | 77.7 | 80.0 | 86.0 | 80 | 6.87 | 8000 |
| C10 | ER25 | M20 | 3 | 1 | 5 | **970-C10-25-143** | 100.0 | 25.8 | 129.6 | 37.1 | 102.1 | 138.1 | 42.0 | 44.0 | 100.0 | 80 | 4.29 | 8000 |
| | ER40 | M30 | 3 | 1 | 2 | **970-C10-40-173** | 100.0 | 40.8 | 155.7 | 131.1 | 167.1 | | 63.0 | 100.0 | | 80 | 5.76 | 8000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


M1



N23

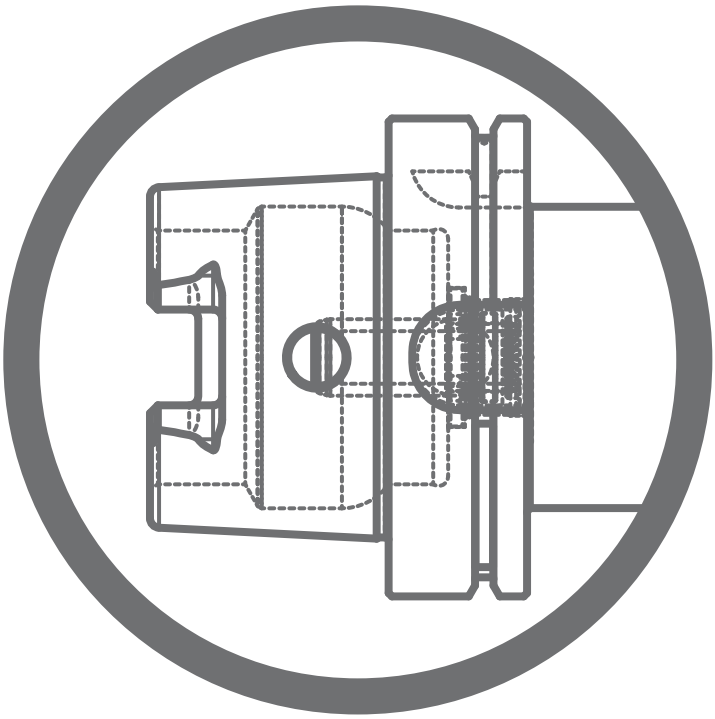


N15


N5

SPA

# Adaptador de máquina HSK

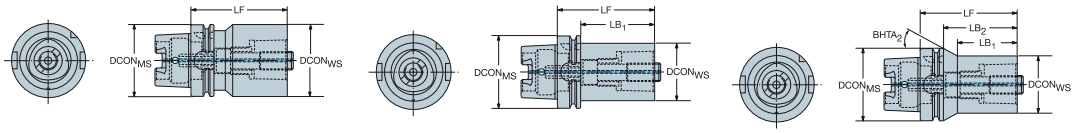


# HSK a Coromant Capto® , adaptador

**Adaptador del lado de la máquina HSK A/C**

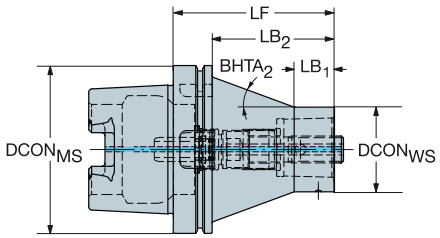


DSGN 1 2 7




| | | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_2$ | $BD_3$ | $BHTA_2$ | BAR | NM | KG |
| 50 | C3 | 1 | 1 | 2 | C3-390.410-50 075A | 50.0 | 32.0 | 75.0 | 49.0 | 75.0 | | 50.0 | | 0° | 100 | 45.00 | 0.67 |
| | C4 | 1 | 1 | 2 | C4-390.410-50 080A | 50.0 | 40.0 | 80.0 | 54.0 | 80.0 | | 50.0 | | 0° | 100 | 55.00 | 0.85 |
| 63 | C3 | 1 | 1 | 2 | C3-390.410-63 075C | 63.0 | 32.0 | 75.0 | 49.0 | 75.0 | | 63.0 | | 0° | 100 | 45.00 | 0.97 |
| | C4 | 1 | 1 | 2 | C4-390.410-63 080C | 63.0 | 40.0 | 80.0 | 54.0 | 80.0 | | 63.0 | | 0° | 100 | 55.00 | 1.14 |
| | C5 | 1 | 1 | 2 | C5-390.410-63 090C | 63.0 | 50.0 | 90.0 | 64.0 | 90.0 | | 63.0 | | 0° | 100 | 95.00 | 1.47 |
| 80 | C4 | 1 | 1 | 2 | C4-390.410-80 090 | 80.0 | 40.0 | 90.0 | 64.0 | 90.0 | | 80.0 | | 0° | 100 | 55.00 | 1.69 |
| | C5 | 1 | 1 | 2 | C5-390.410-80 095 | 80.0 | 50.0 | 95.0 | 69.0 | 95.0 | | 80.0 | | 0° | 100 | 95.00 | 2.02 |
| | C6 | 1 | 1 | 2 | C6-390.410-80 110 | 80.0 | 63.0 | 110.0 | 84.0 | 110.0 | | 80.0 | | 0° | 100 | 170.00 | 2.79 |
| 100 | C3 | 1 | 1 | 7 | C3-390.410-100 080A | 100.0 | 32.0 | 80.0 | 43.0 | 51.0 | 80.0 | 32.0 | 100.0 | 45° | 100 | 45.00 | 2.42 |
| | C4 | 1 | 1 | 2 | C4-390.410-100 090A | 100.0 | 40.0 | 90.0 | 61.0 | 90.0 | | 100.0 | | 0° | 100 | 55.00 | 2.63 |
| | C5 | 1 | 1 | 2 | C5-390.410-100 100A | 100.0 | 50.0 | 100.0 | 71.0 | 100.0 | | 100.0 | | 0° | 100 | 95.00 | 3.02 |
| | C6 | 1 | 1 | 2 | C6-390.410-100 110A | 100.0 | 63.0 | 110.0 | 81.0 | 110.0 | | 100.0 | | 0° | 100 | 170.00 | 3.70 |
| | C8 | 1 | 1 | 2 | C8-390.410-100 120A | 100.0 | 80.0 | 120.0 | 91.0 | 120.0 | | 100.0 | | 0° | 100 | 170.00 | 4.87 |
| | C10 | 1 | 1 | 1 | C10-390.410-100 155 | 100.0 | 100.0 | 155.0 | 155.0 | | | | | | 100 | 380.00 | 7.64 |
| 125 | C4 | 1 | 1 | 7 | C4-390.410-125 095 | 125.0 | 40.0 | 95.0 | 46.0 | 66.0 | 95.0 | 40.0 | 125.0 | 45° | 100 | 55.00 | 4.15 |
| | C5 | 1 | 1 | 7 | C5-390.410-125 105 | 125.0 | 50.0 | 105.0 | 66.0 | 76.0 | 105.0 | 50.0 | 125.0 | 45° | 100 | 95.00 | 4.46 |
| | C6 | 1 | 1 | 2 | C6-390.410-125 120 | 125.0 | 63.0 | 120.0 | 91.0 | 120.0 | | 125.0 | | 0° | 100 | 170.00 | 5.35 |
| | C8 | 1 | 1 | 2 | C8-390.410-125 130 | 125.0 | 80.0 | 130.0 | 101.0 | 130.0 | | 125.0 | | 0° | 100 | 170.00 | 6.70 |
| | C10 | 1 | 1 | 2 | C10-390.410-125 160 | 125.0 | 100.0 | 160.0 | 131.0 | 160.0 | | 125.0 | | 0° | 100 | 380.00 | 9.66 |
| 160 | C6 | 1 | 1 | 2 | C6-390.410-160 125 | 160.0 | 63.0 | 125.0 | 94.0 | 125.0 | | 160.0 | | 0° | 100 | 170.00 | 8.55 |
| | C8 | 1 | 1 | 2 | C8-390.410-160 135 | 160.0 | 80.0 | 135.0 | 104.0 | 135.0 | | 160.0 | | 0° | 100 | 170.00 | 10.16 |
| | C10 | 1 | 1 | 2 | C10-390.410-160 160 | 160.0 | 100.0 | 160.0 | 129.0 | 160.0 | | 160.0 | | 0° | 100 | 380.00 | 12.94 |






## Diseño de mecanizado pesado

| | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BHTA_2$ | BAR | NM | KG |
| 100 | C3 | 1 | 1 | C3-390.410-100080HD | 100.0 | 32.0 | 80.0 | 20.0 | 51.0 | 41° | 100 | 45.00 | 2.93 |
| | C4 | 1 | 1 | C4-390.410-100090HD | 100.0 | 40.0 | 90.0 | 20.0 | 61.0 | 29° | 100 | 55.00 | 3.27 |
| | C5 | 1 | 1 | C5-390.410-100100HD | 100.0 | 50.0 | 100.0 | 30.0 | 71.0 | 23° | 100 | 95.00 | 3.58 |
| | C6 | 1 | 1 | C6-390.410-100110HD | 100.0 | 63.0 | 110.0 | 30.0 | 81.0 | 12° | 100 | 170.00 | 4.22 |
| 125 | C4 | 1 | 1 | C4-390.410-125095HD | 125.0 | 40.0 | 95.0 | 20.0 | 66.0 | 36° | 100 | 55.00 | 5.25 |
| | C5 | 1 | 1 | C5-390.410-125105HD | 125.0 | 50.0 | 105.0 | 20.0 | 76.0 | 27° | 100 | 95.00 | 5.82 |
| | C6 | 1 | 1 | C6-390.410-125120HD | 125.0 | 63.0 | 120.0 | 30.0 | 91.0 | 20° | 100 | 170.00 | 6.57 |
| | C8 | 1 | 1 | C8-390.410-125130HD | 125.0 | 80.0 | 130.0 | 30.0 | 101.0 | 11° | 100 | 170.00 | 7.76 |

Junto con los mangos básicos HSK se suministra un tubo de refrigerante especial.

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


M1



N23



N15

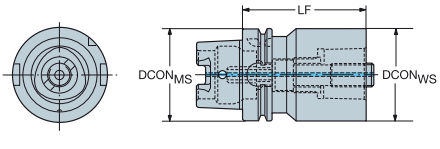
SPA

# HSK a Coromant Capto® , adaptador

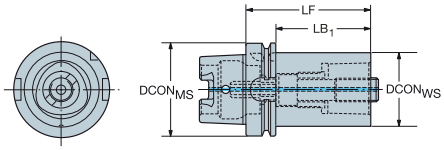
**Adaptador del lado de la máquina HSK A/C/T**



DSGN 1




2

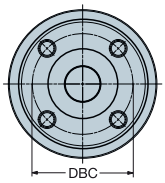


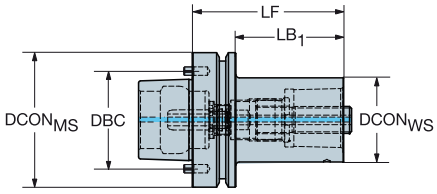

| | | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_2$ | BAR | NM | KG |
| 40 | C3 | 1 | 1 | 2 | **C3-390.419-40 065** | 40.0 | 32.0 | 65.0 | 45.0 | 65.0 | 40.0 | 100 | 45.00 | 0.46 |
| | C4 | 1 | 1 | 1 | **C4-390.419-40 075** | 40.0 | 40.0 | 75.0 | 75.0 | | | 100 | 55.00 | 0.60 |
| 63 | C5 | 1 | 1 | 2 | **C5-390.419-63 090** | 63.0 | 50.0 | 90.0 | 64.0 | 90.0 | 63.0 | 100 | 95.00 | 1.46 |
| | C6 | 1 | 1 | 1 | **C6-390.419-63 110** | 63.0 | 63.0 | 110.0 | 110.0 | | | 100 | 170.00 | 2.14 |
| 100 | C6 | 1 | 1 | 2 | **C6-390.419-100 110** | 100.0 | 63.0 | 110.0 | 81.0 | 110.0 | 100.0 | 100 | 170.00 | 3.72 |
| | C8 | 1 | 1 | 2 | **C8-390.419-100 120** | 100.0 | 80.0 | 120.0 | 91.0 | 120.0 | 100.0 | 100 | 170.00 | 4.88 |

**Adaptador del lado de la máquina HSK F con pasadores**

**Para la gama de máquinas Makino MAG**






| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | DBC | $DCON_{WS}$ | LF | $LB_1$ | BAR | NM | KG |
| 80 | C5 | 1 | 1 | **C5-390.612-80 090** | 80.0 | 58.0 | 50.0 | 90.0 | 64.0 | 100 | 95.00 | 1.92 |

Junto con los mangos básicos HSK se suministra un tubo de refrigerante especial.
HSK80F, compatible con la gama de máquinas MAG de Makino 1, 3, 4, 7, para mecanizado de estructuras aeroespaciales de aluminio

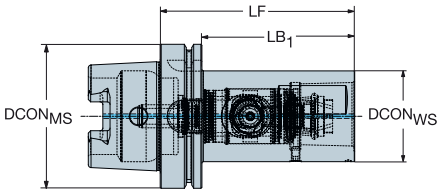
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

# HSK a adaptador Coromant Capto® con cambio rápido

**Adaptador del lado de la máquina HSK A/C**






| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | BAR | NM | KG | RPMX |
| 63 | C5 | 1 | 1 | **HA06-QC-C5-115** | 63.0 | 50.0 | 115.0 | 88.0 | 100 | 70.00 | 1.77 | 20500 |
| 100 | C6 | 1 | 1 | **HA10-QC-C6-135** | 100.0 | 63.0 | 135.0 | 105.0 | 100 | 90.00 | 4.17 | 12500 |
| | C8 | 1 | 1 | **HA10-QC-C8-165** | 100.0 | 80.0 | 165.0 | 135.0 | 100 | 130.00 | 6.32 | 12500 |

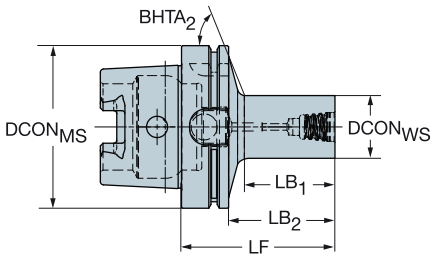
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N6 N15

# HSK a Coromant EH, adaptador

**Adaptador del lado de la máquina HSK A/C**

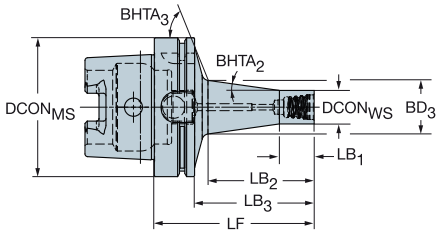





## Diseño corto

| | | | | | Dimensiones, mm | | | | | | BAR | NM | KG | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BHTA_2$ | | | | RPMX |
| 40 | E10 | 1 | 1 | **392.410EH-40 10 040** | 40.0 | 9.6 | 40.0 | 13.0 | 20.0 | 59° | 100 | 12.00 | 0.28 | 30000 |
| | E12 | 1 | 1 | **392.410EH-40 12 043** | 40.0 | 11.6 | 43.0 | 16.3 | 23.0 | 58° | 100 | 15.00 | 0.30 | 30000 |
| | E16 | 1 | 1 | **392.410EH-40 16 048** | 40.0 | 15.4 | 48.0 | 21.9 | 28.0 | 55° | 100 | 30.00 | 0.35 | 30000 |
| | E20 | 1 | 1 | **392.410EH-40 20 045** | 40.0 | 19.2 | 45.0 | 19.4 | 25.0 | 50° | 100 | 50.00 | 0.37 | 30000 |
| 50 | E10 | 1 | 1 | **392.410EH-50 10 047** | 50.0 | 9.6 | 47.0 | 13.0 | 21.0 | 63° | 100 | 12.00 | 0.49 | 25000 |
| | E12 | 1 | 1 | **392.410EH-50 12 050** | 50.0 | 11.6 | 50.0 | 16.3 | 24.0 | 62° | 100 | 15.00 | 0.51 | 25000 |
| | E16 | 1 | 1 | **392.410EH-50 16 055** | 50.0 | 15.4 | 55.0 | 21.8 | 29.0 | 60° | 100 | 30.00 | 0.57 | 25000 |
| | E20 | 1 | 1 | **392.410EH-50 20 052** | 50.0 | 19.2 | 52.0 | 19.3 | 26.0 | 58° | 100 | 50.00 | 0.58 | 25000 |
| | E25 | 1 | 1 | **392.410EH-50 25 057** | 50.0 | 24.1 | 57.0 | 24.9 | 31.0 | 54° | 100 | 65.00 | 0.63 | 25000 |
| 63 | E10 | 1 | 1 | **392.410EH-63 10 049** | 63.0 | 9.6 | 49.0 | 13.5 | 23.0 | 66° | 100 | 12.00 | 0.78 | 20500 |
| | E12 | 1 | 1 | **392.410EH-63 12 051** | 63.0 | 11.6 | 51.0 | 15.8 | 25.0 | 65° | 100 | 15.00 | 0.81 | 20500 |
| | E16 | 1 | 1 | **392.410EH-63 16 056** | 63.0 | 15.4 | 56.0 | 21.3 | 30.0 | 65° | 100 | 30.00 | 0.85 | 20500 |
| | E20 | 1 | 1 | **392.410EH-63 20 053** | 63.0 | 19.2 | 53.0 | 18.8 | 27.0 | 63° | 100 | 50.00 | 0.87 | 20500 |
| | E25 | 1 | 1 | **392.410EH-63 25 059** | 63.0 | 24.1 | 59.0 | 25.5 | 33.0 | 61° | 100 | 65.00 | 0.93 | 20500 |






## Diseño largo

| | | | | | Dimensiones, mm | | | | | | | | | | BAR | NM | KG | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_3$ | $BHTA_2$ | $BHTA_3$ | | | | | RPMX |
| 63 | E10 | 1 | 1 | **392.410EH-63 10 062** | 63.0 | 9.6 | 62.0 | 10.0 | 27.9 | 36.0 | 14.6 | 8° | 66° | | 100 | 12.00 | 0.80 | 20500 |
| | E12 | 1 | 1 | **392.410EH-63 12 068** | 63.0 | 11.6 | 68.0 | 12.0 | 34.3 | 42.0 | 17.9 | 8° | 65° | | 100 | 15.00 | 0.83 | 20500 |
| | E16 | 1 | 1 | **392.410EH-63 16 078** | 63.0 | 15.4 | 78.0 | 16.0 | 45.1 | 52.0 | 23.6 | 8° | 64° | | 100 | 30.00 | 0.92 | 20500 |
| | E20 | 1 | 1 | **392.410EH-63 20 091** | 63.0 | 19.2 | 91.0 | 20.0 | 59.0 | 65.0 | 30.1 | 8° | 61° | | 100 | 50.00 | 1.01 | 20500 |
| | E25 | 1 | 1 | **392.410EH-63 25 105** | 63.0 | 24.1 | 105.0 | 25.0 | 74.0 | 79.0 | 37.6 | 8° | 54° | | 100 | 65.00 | 1.21 | 20500 |
| 100 | E20 | 1 | 1 | **392.410EH-100 20 100** | 100.0 | 19.2 | 100.0 | 20.0 | 60.3 | 71.0 | 30.5 | 8° | 70° | | 100 | 50.00 | 2.58 | 12500 |
| | E25 | 1 | 1 | **392.410EH-100 25 115** | 100.0 | 24.1 | 115.0 | 25.0 | 76.4 | 86.0 | 38.6 | 8° | 70° | | 100 | 65.00 | 2.68 | 12500 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

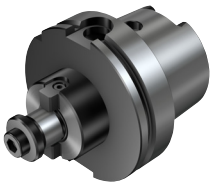
M1 N23 N15 N3

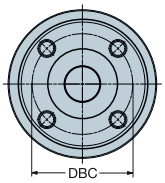
# HSK a eje, adaptador

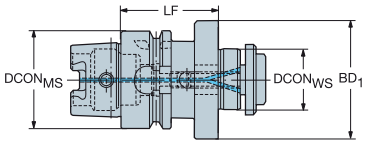
**Adaptador del lado de la máquina HSK A/C**

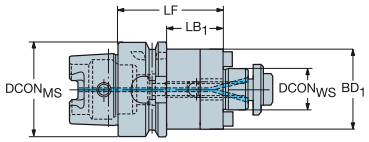
**Refrigerante a través del eje**

DSGN 1 2

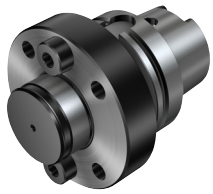


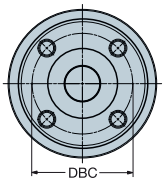


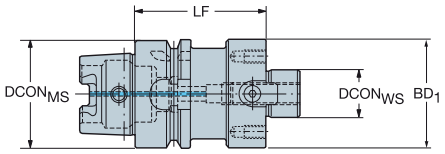




| | | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | $DCON_{MS}$ | DBC | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| 40 | 16 | 1 | 4 | 2 | 392.41005C-4016050 | 40.0 | | 16.0 | 50.0 | 30.0 | 50.0 | 32.0 | 40.0 | 80 | 22.00 | 0.45 | 30000 |
| | 22 | 1 | 4 | 1 | 392.41005C-4022050 | 40.0 | | 22.0 | 50.0 | 50.0 | | 48.0 | | 80 | 45.00 | 0.60 | 30000 |
| 50 | 16 | 1 | 4 | 2 | 392.41005C-5016050 | 50.0 | | 16.0 | 50.0 | 24.0 | 50.0 | 32.0 | 50.0 | 80 | 22.00 | 0.62 | 25000 |
| | 22 | 1 | 4 | 2 | 392.41005C-5022060 | 50.0 | | 22.0 | 60.0 | 34.0 | 60.0 | 48.0 | 50.0 | 80 | 45.00 | 0.92 | 25000 |
| 63 | 16 | 1 | 4 | 2 | 392.41005C6316050 | 63.0 | | 16.0 | 50.0 | 24.0 | 50.0 | 32.0 | 63.0 | 80 | 22.00 | 0.87 | 20500 |
| | 22 | 1 | 4 | 2 | 392.41005C6322050 | 63.0 | | 22.0 | 50.0 | 24.0 | 50.0 | 50.0 | 63.0 | 80 | 45.00 | 1.12 | 20500 |
| | 27 | 1 | 4 | 2 | 392.41005C6327060 | 63.0 | | 27.0 | 60.0 | 24.0 | 60.0 | 60.0 | 63.0 | 80 | 80.00 | 1.45 | 20500 |
| | 32 | 1 | 4 | 1 | 392.41005C6332060 | 63.0 | | 32.0 | 60.0 | 60.0 | | 78.0 | | 80 | 180.00 | 1.80 | 20500 |
| | 40S | 1 | 4 | 1 | 392.41005C6340060M | 63.0 | 66.7 | 40.0 | 60.0 | 60.0 | | 87.0 | | 80 | 300.00 | 2.13 | 20500 |
| 80 | 22 | 1 | 4 | 2 | 392.41005C8022050 | 80.0 | | 22.0 | 50.0 | 24.0 | 50.0 | 50.0 | 80.0 | 80 | 45.00 | 1.59 | 14000 |
| | 27 | 1 | 4 | 2 | 392.41005C8027050 | 80.0 | | 27.0 | 50.0 | 24.0 | 50.0 | 60.0 | 80.0 | 80 | 80.00 | 1.78 | 14000 |
| | 32 | 1 | 4 | 2 | 392.41005C8032060 | 80.0 | | 32.0 | 60.0 | 34.0 | 60.0 | 78.0 | 80.0 | 80 | 180.00 | 2.42 | 14000 |
| | 40 | 1 | 4 | 1 | 392.41005C8040060 | 80.0 | | 40.0 | 60.0 | 60.0 | | 87.0 | | 80 | 300.00 | 2.74 | 14000 |
| 100 | 22 | 1 | 4 | 2 | 392.41005C10022100 | 100.0 | | 22.0 | 100.0 | 71.0 | 100.0 | 50.0 | 100.0 | 80 | 45.00 | 3.25 | 12500 |
| | 27 | 1 | 4 | 2 | 392.41005C10027100 | 100.0 | | 27.0 | 100.0 | 71.0 | 100.0 | 60.0 | 100.0 | 80 | 80.00 | 3.76 | 12500 |
| | 32 | 1 | 4 | 2 | 392.41005C10032100 | 100.0 | | 32.0 | 100.0 | 71.0 | 100.0 | 78.0 | 100.0 | 80 | 180.00 | 4.90 | 12500 |
| | 40S | 1 | 4 | 2 | 392.41005C10040100M | 100.0 | 66.7 | 40.0 | 100.0 | 71.0 | 100.0 | 87.0 | 100.0 | 80 | 300.00 | 5.62 | 12500 |
| 125 | 32 | 1 | 4 | 2 | 392.41005C12532100 | 125.0 | | 32.0 | 100.0 | 71.0 | 100.0 | 78.0 | 125.0 | 80 | 180.00 | 6.19 | 9500 |
| | 40S | 1 | 4 | 2 | 392.41005C12540100M | 125.0 | 66.7 | 40.0 | 100.0 | 71.0 | 100.0 | 87.0 | 125.0 | 80 | 300.00 | 7.05 | 9500 |






| | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | DSGN | Código de pedido | $DCON_{MS}$ | DBC | $DCON_{WS}$ | LF | $BD_1$ | NM | KG | RPMX |
| 100 | 60 | 1 | 392.41005-10060075 | 100.0 | 101.6 | 60.0 | 75.0 | 130.0 | 180.00 | 6.30 | 12500 |
| 125 | 60 | 1 | 392.41005-12560085 | 125.0 | 101.6 | 60.0 | 85.0 | 130.0 | 180.00 | 9.70 | 9500 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

SPA

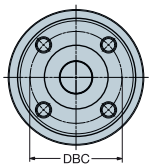
# HSK a eje, con adaptador de tornillos de transmisión

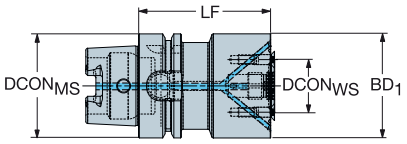
**Adaptador del lado de la máquina HSK A/C**

**Para CoroMill® QD con suministro de refrigerante interior**

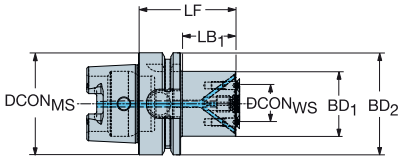


DSGN 1




2

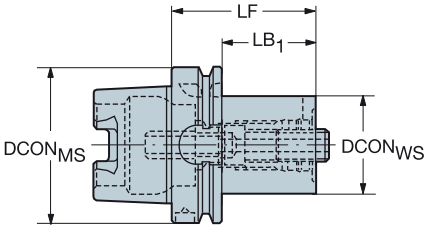



| | | | | | | Dimensiones, mm | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | DBC | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| 63 | X10 | 1 | 3 | 2 | **HA06-X10-032-055** | 63.0 | 22.0 | 10.0 | 2 | 55.0 | 28.0 | 55.0 | 32.0 | 63.0 | 80 | 6.40 | 0.85 | 12000 |
| | X22 | 1 | 3 | 2 | **HA06-X22-040-060** | 63.0 | 32.0 | 22.0 | 2 | 60.0 | 33.0 | 60.0 | 40.0 | 63.0 | 80 | 3.90 | 1.01 | 11000 |
| | X32 | 1 | 3 | 1 | **HA06-X32-063-080** | 63.0 | 45.0 | 32.0 | 2 | 80.0 | 80.0 | | 63.0 | | 80 | 6.40 | 1.82 | 10000 |

# HSK a adaptador VL

**Adaptador del lado de la máquina HSK A/C**






| | | | | | Dimensiones, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | BAR | NM | KG |
| 100 | 80 | 1 | 1 | **390.410-100 80 090** | 100.0 | 80.0 | 90.0 | 61.0 | 100 | 170.00 | 4.39 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

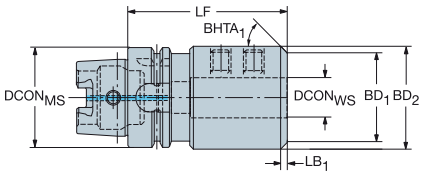
# HSK a Weldon, adaptador

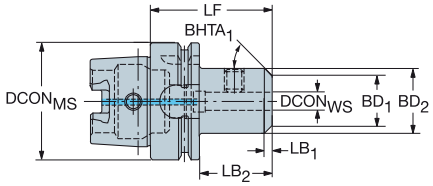
**Adaptador del lado de la máquina HSK A/C**

**Adaptador del lado de la pieza DIN 6535-HB y DIN 1835-B**

DSGN 3 6






| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | $BHTA_1$ | BAR | NM | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 63 | 8 | 1 | 1 | 6 | 392.41020-63 08 065B | 63.0 | 8.0 | 65.0 | 2.0 | 39.0 | 65.0 | 24.0 | 28.0 | 63.0 | 45° | 20 | 7.00 | 0.83 | 20500 |
| | 10 | 1 | 1 | 6 | 392.41020-63 10 065B | 63.0 | 10.0 | 65.0 | 2.0 | 39.0 | 65.0 | 31.0 | 35.0 | 63.0 | 45° | 20 | 10.00 | 1.02 | 20500 |
| | 12 | 1 | 1 | 6 | 392.41020-63 12 080B | 63.0 | 12.0 | 80.0 | 2.0 | 54.0 | 80.0 | 38.0 | 42.0 | 63.0 | 45° | 20 | 12.00 | 1.18 | 20500 |
| | 16 | 1 | 1 | 6 | 392.41020-63 16 080B | 63.0 | 16.0 | 80.0 | 2.0 | 54.0 | 80.0 | 44.0 | 48.0 | 63.0 | 45° | 20 | 15.00 | 1.32 | 20500 |
| | 20 | 1 | 1 | 6 | 392.41020-63 20 080B | 63.0 | 20.0 | 80.0 | 4.0 | 54.0 | 80.0 | 44.0 | 52.0 | 63.0 | 45° | 20 | 20.00 | 1.39 | 20500 |
| | 25 | 1 | 1 | 3 | 392.41020-63 25 110B | 63.0 | 25.0 | 110.0 | 5.0 | 110.0 | | 55.0 | 65.0 | | 45° | 20 | 25.00 | 2.35 | 20500 |
| | 32 | 1 | 1 | 3 | 392.41020-63 32 110B | 63.0 | 32.0 | 110.0 | 5.0 | 110.0 | | 62.0 | 72.0 | | 45° | 20 | 45.00 | 2.60 | 20500 |
| 100 | 12 | 1 | 1 | 6 | 392.41020-100 12 080A | 100.0 | 12.0 | 80.0 | 5.0 | 51.0 | 80.0 | 32.0 | 42.0 | 100.0 | 45° | 20 | 12.00 | 2.62 | 12500 |
| | 16 | 1 | 1 | 6 | 392.41020-100 16 100A | 100.0 | 16.0 | 100.0 | 5.0 | 71.0 | 100.0 | 32.0 | 42.0 | 100.0 | 45° | 20 | 15.00 | 2.98 | 12500 |
| | 20 | 1 | 1 | 6 | 392.41020-100 20 100A | 100.0 | 20.0 | 100.0 | 5.0 | 71.0 | 100.0 | 42.0 | 52.0 | 100.0 | 45° | 20 | 20.00 | 3.12 | 12500 |
| | 25 | 1 | 1 | 6 | 392.41020-100 25 100A | 100.0 | 25.0 | 100.0 | 8.0 | 71.0 | 100.0 | 49.0 | 65.0 | 100.0 | 45° | 20 | 25.00 | 3.59 | 12500 |
| | 32 | 1 | 1 | 6 | 392.41020-100 32 100A | 100.0 | 32.0 | 100.0 | 8.0 | 71.0 | 100.0 | 56.0 | 72.0 | 100.0 | 45° | 20 | 45.00 | 3.84 | 12500 |
| | 40 | 1 | 1 | 6 | 392.41020-100 40 120A | 100.0 | 40.0 | 120.0 | 8.0 | 91.0 | 120.0 | 74.0 | 90.0 | 100.0 | 45° | 20 | 45.00 | 5.64 | 12500 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

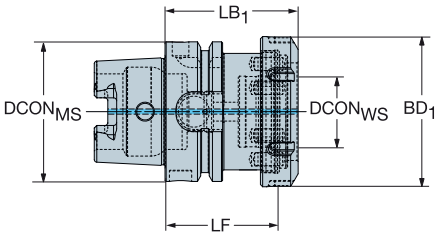
SPA

# HSK a MDI, adaptador

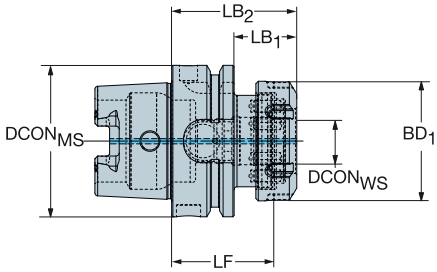
**Adaptador del lado de la máquina HSK A/C/T**



DSGN 1




2




| | | | | | | Dimensiones, mm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| 63 | MDI-20 | 1 | 1 | 2 | **HT06-DM20-N-042** | 63.0 | 20.0 | 42.0 | 26.0 | 52.0 | 49.7 | 63.0 | 80 | 135.00 | 0.86 | 20000 |
| | MDI-25 | 1 | 1 | 2 | **HT06-DM25-N-050** | 63.0 | 25.0 | 50.0 | 34.0 | 60.0 | 62.7 | 63.0 | 80 | 170.00 | 1.10 | 20000 |
| | MDI-32 | 1 | 1 | 1 | **HT06-DM32-N-050** | 63.0 | 32.0 | 50.0 | 60.0 | | 67.7 | | 80 | 200.00 | 1.18 | 20000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

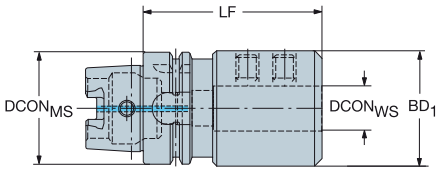
M1 N23 N15 N5

# HSK a adaptador ISO 9766

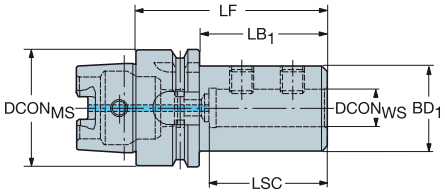
**Adaptador del lado de la máquina HSK A/C**



DSGN 1




2

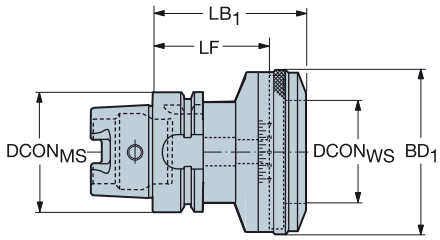



| | | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| 63 | 16 | 1 | 1 | 2 | 392.41027-63 16 080B | 63.0 | 16.0 | 49 | 80.0 | 54.0 | 80.0 | 36.0 | 63.0 | 20 | 10.00 | 1.02 | 20500 |
| | 20 | 1 | 1 | 2 | 392.41027-63 20 080B | 63.0 | 20.0 | 51 | 80.0 | 54.0 | 80.0 | 40.0 | 63.0 | 20 | 12.00 | 1.06 | 20500 |
| | 25 | 1 | 1 | 2 | 392.41027-63 25 090B | 63.0 | 25.0 | 57 | 90.0 | 64.0 | 90.0 | 45.0 | 63.0 | 20 | 20.00 | 0.12 | 20500 |
| | 32 | 1 | 1 | 2 | 392.41027-63 32 090B | 63.0 | 32.0 | 61 | 90.0 | 64.0 | 90.0 | 52.0 | 63.0 | 20 | 30.00 | 1.32 | 20500 |
| | 40 | 1 | 1 | 1 | 392.41027-63 40 110 | 63.0 | 40.0 | 71 | 110.0 | 110.0 | | 65.0 | | 20 | 40.00 | 1.93 | 20500 |
| 80 | 20 | 1 | 1 | 2 | 392.41027-80 20 085 | 80.0 | 20.0 | 51 | 85.0 | 59.0 | 85.0 | 40.0 | 80.0 | 20 | 12.00 | 1.59 | 14000 |
| | 25 | 1 | 1 | 2 | 392.41027-80 25 090 | 80.0 | 25.0 | 57 | 90.0 | 64.0 | 90.0 | 45.0 | 80.0 | 20 | 20.00 | 1.70 | 14000 |
| | 32 | 1 | 1 | 2 | 392.41027-80 32 095 | 80.0 | 32.0 | 61 | 95.0 | 69.0 | 95.0 | 52.0 | 80.0 | 20 | 30.00 | 1.88 | 14000 |
| | 40 | 1 | 1 | 2 | 392.41027-80 40 110 | 80.0 | 40.0 | 71 | 110.0 | 84.0 | 110.0 | 65.0 | 80.0 | 20 | 40.00 | 2.58 | 14000 |
| 100 | 16 | 1 | 1 | 2 | 392.41027-100 16 090A | 100.0 | 16.0 | 49 | 90.0 | 61.0 | 90.0 | 36.0 | 100.0 | 20 | 10.00 | 2.52 | 12500 |
| | 20 | 1 | 1 | 2 | 392.41027-100 20 090A | 100.0 | 20.0 | 51 | 90.0 | 61.0 | 90.0 | 40.0 | 100.0 | 20 | 12.00 | 2.58 | 12500 |
| | 25 | 1 | 1 | 2 | 392.41027-100 25 100A | 100.0 | 25.0 | 57 | 100.0 | 71.0 | 100.0 | 45.0 | 100.0 | 20 | 20.00 | 2.73 | 12500 |
| | 32 | 1 | 1 | 2 | 392.41027-100 32 100A | 100.0 | 32.0 | 61 | 100.0 | 71.0 | 100.0 | 52.0 | 100.0 | 20 | 30.00 | 2.84 | 12500 |
| | 40 | 1 | 1 | 2 | 392.41027-100 40 110A | 100.0 | 40.0 | 71 | 110.0 | 81.0 | 110.0 | 65.0 | 100.0 | 20 | 40.00 | 3.43 | 12500 |
| | 50 | 1 | 1 | 2 | 392.41027-100 50 120 | 100.0 | 50.0 | 81 | 120.0 | 91.0 | 120.0 | 75.0 | 100.0 | 20 | 45.00 | 3.95 | 12500 |

# HSK a ISO 9766, adaptador ajustable

**Adaptador del lado de la máquina HSK A/C**






| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $BD_1$ | BAR | KG | RPMX |
| 63 | 1 | 1 | 1 | 392.410277-63 01 060B | 63.0 | 78.0 | 60.0 | 84.6 | 86.0 | 20 | 2.09 | 12000 |
| 100 | 2 | 1 | 1 | 392.410277-100 02 065A | 100.0 | 98.0 | 65.0 | 89.6 | 106.0 | 20 | 4.64 | 9000 |
| | 3 | 1 | 1 | 392.410277-100 03 085A | 100.0 | 136.0 | 85.0 | 95.0 | 140.0 | 20 | 6.58 | 6000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


M1



N23



N15



SANDVIK Coromant

SPA

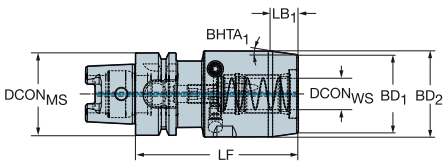
# HSK a CoroChuck™ 930

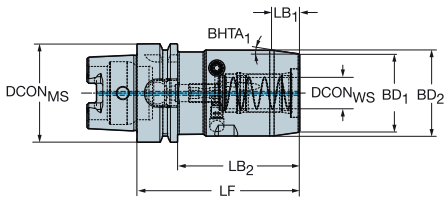
**Diseño de mecanizado pesado**

**Adaptador del lado de la máquina HSK A/C**

DSGN 3 6



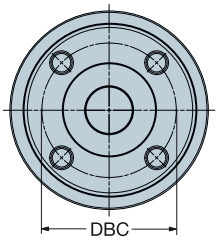


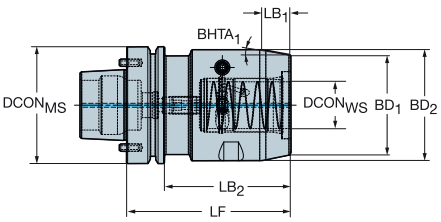




| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | $BHTA_1$ | BAR | NM | KG | RPMX |
| 63 | 20 | 1 | 1 | 6 | 930-HA06-HD-20-104 | 63.0 | 20.0 | 51 | 104.0 | 17.8 | 78.0 | 104.0 | 50.0 | 55.0 | 62.9 | 8° | 80 | 10.00 | 1.89 | 20000 |
| | 25 | 1 | 1 | 3 | 930-HA06-HD-25-110 | 63.0 | 25.0 | 57 | 110.0 | 18.8 | 110.0 | | 57.0 | 65.0 | | 12° | 80 | 10.00 | 2.35 | 20000 |
| | 32 | 1 | 1 | 3 | 930-HA06-HD-32-112 | 63.0 | 32.0 | 61 | 112.0 | 18.8 | 112.0 | | 68.0 | 76.0 | | 12° | 80 | 10.00 | 2.90 | 20000 |
| 80 | 32 | 1 | 1 | 6 | 930-HA08-HD-32-110 | 80.0 | 32.0 | 61 | 110.0 | 18.8 | 84.0 | 110.0 | 68.0 | 76.0 | 80.0 | 12° | 80 | 10.00 | 3.44 | 14000 |
| 100 | 20 | 1 | 1 | 6 | 930-HA10-HD-20-100 | 100.0 | 20.0 | 51 | 100.0 | 17.8 | 71.0 | 100.0 | 50.0 | 55.0 | 99.9 | 8° | 80 | 10.00 | 3.18 | 10000 |
| | 25 | 1 | 1 | 6 | 930-HA10-HD-25-106 | 100.0 | 25.0 | 57 | 106.0 | 18.8 | 77.0 | 106.0 | 57.0 | 65.0 | 99.9 | 12° | 80 | 10.00 | 3.72 | 10000 |
| | 32 | 1 | 1 | 6 | 930-HA10-HD-32-110 | 100.0 | 32.0 | 61 | 110.0 | 18.8 | 81.0 | 110.0 | 68.0 | 76.0 | 99.9 | 12° | 80 | 10.00 | 4.40 | 10000 |
| | 32 | 1 | 1 | 6 | 930-HA10-HD-32-180 | 100.0 | 32.0 | 61 | 180.0 | 18.8 | 151.0 | 180.0 | 68.0 | 76.0 | 100.0 | 12° | 80 | 10.00 | 6.84 | 10000 |

**Adaptador del lado de la máquina HSK F con pasadores para Makino**






| | | | | | Dimensiones, mm | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | DBC | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | $BHTA_1$ | BAR | NM | KG | RPMX |
| 80 | 32 | 1 | 1 | 930-HF08-HD-32-112 | 80.0 | 58.0 | 32.0 | 61 | 112.0 | 18.8 | 86.0 | 68.0 | 76.0 | 12° | 80 | 10.00 | 3.48 | 24000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

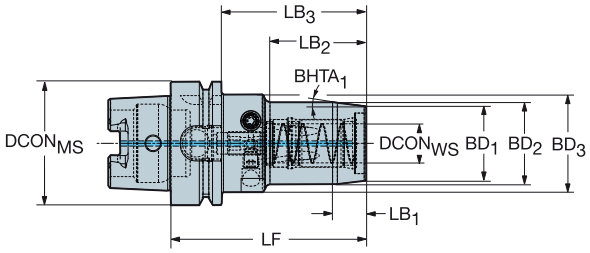
M1 N23 N6 N15 N4

# HSK a CoroChuck™ 930

**Diseño delgado**

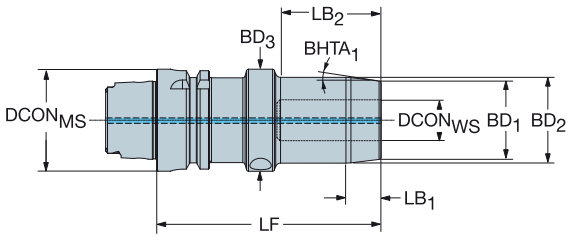
**Adaptador del lado de la máquina HSK A/C**






| | | | | | Dimensiones, mm | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | $BHTA_1$ | BAR | NM | KG | RPMX |
| 40 | 6 | 1 | 1 | 930-HA04-S-06-070 | 40.0 | 6.0 | 37 | 70.0 | 11.3 | 33.2 | 50.0 | 22.0 | 26.0 | 32.0 | 10° | 80 | 8.00 | 0.40 | 30000 |
| | 8 | 1 | 1 | 930-HA04-S-08-070 | 40.0 | 8.0 | 37 | 70.0 | 11.3 | 35.3 | 50.0 | 24.0 | 28.0 | 32.0 | 10° | 80 | 8.00 | 0.42 | 30000 |
| | 10 | 1 | 1 | 930-HA04-S-10-075 | 40.0 | 10.0 | 41 | 75.0 | 11.3 | 39.6 | 55.0 | 26.0 | 30.0 | 32.0 | 10° | 80 | 8.00 | 0.46 | 30000 |
| | 12 | 1 | 1 | 930-HA04-S-12-080 | 40.0 | 12.0 | 46 | 80.0 | 11.3 | 41.0 | 60.0 | 28.0 | 32.0 | 33.5 | 10° | 80 | 8.00 | 0.51 | 30000 |
| 50 | 6 | 1 | 1 | 930-HA05-S-06-074 | 50.0 | 6.0 | 37 | 74.0 | 11.3 | 30.2 | 48.0 | 22.0 | 26.0 | 40.0 | 10° | 80 | 8.00 | 0.64 | 25000 |
| | 8 | 1 | 1 | 930-HA05-S-08-074 | 50.0 | 8.0 | 37 | 74.0 | 11.3 | 30.2 | 48.0 | 24.0 | 28.0 | 40.0 | 10° | 80 | 8.00 | 0.65 | 25000 |
| | 10 | 1 | 1 | 930-HA05-S-10-080 | 50.0 | 10.0 | 41 | 80.0 | 11.3 | 34.2 | 54.0 | 26.0 | 30.0 | 40.0 | 10° | 80 | 8.00 | 0.71 | 25000 |
| | 12 | 1 | 1 | 930-HA05-S-12-085 | 50.0 | 12.0 | 46 | 85.0 | 11.3 | 38.2 | 59.0 | 28.0 | 32.0 | 40.0 | 10° | 80 | 8.00 | 0.75 | 25000 |
| 63 | 6 | 1 | 1 | 930-HA06-S-06-074 | 63.0 | 6.0 | 37 | 74.0 | 11.3 | 30.2 | 48.0 | 22.0 | 26.0 | 40.0 | 10° | 80 | 8.00 | 0.90 | 20000 |
| | 8 | 1 | 1 | 930-HA06-S-08-074 | 63.0 | 8.0 | 37 | 74.0 | 11.3 | 30.2 | 48.0 | 24.0 | 28.0 | 40.0 | 10° | 80 | 8.00 | 0.91 | 20000 |
| | 10 | 1 | 1 | 930-HA06-S-10-080 | 63.0 | 10.0 | 41 | 80.0 | 11.3 | 34.2 | 54.0 | 26.0 | 30.0 | 40.0 | 10° | 80 | 8.00 | 0.99 | 20000 |
| | 12 | 1 | 1 | 930-HA06-S-12-090 | 63.0 | 12.0 | 46 | 90.0 | 11.3 | 38.2 | 64.0 | 28.0 | 32.0 | 50.0 | 10° | 80 | 8.00 | 1.21 | 20000 |
| | 20 | 1 | 1 | 930-HA06-S-20-100 | 63.0 | 20.0 | 51 | 100.0 | 16.0 | 49.2 | 74.0 | 38.0 | 42.0 | 50.0 | 7° | 80 | 8.00 | 1.40 | 20000 |
| 100 | 12 | 1 | 1 | 930-HA10-S-12-095 | 100.0 | 12.0 | 46 | 95.0 | 11.3 | 38.2 | 66.0 | 28.0 | 32.0 | 50.0 | 10° | 80 | 8.00 | 2.63 | 10000 |
| | 20 | 1 | 1 | 930-HA10-S-20-100 | 100.0 | 20.0 | 51 | 100.0 | 16.0 | 49.2 | 71.0 | 38.0 | 42.0 | 50.0 | 7° | 80 | 8.00 | 2.74 | 10000 |






| | | | | | Dimensiones, mm | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | $BHTA_1$ | BAR | NM | KG | RPMX | |
| 40 | 12 | 1 | 1 | 930-HA04-S-12-096 | 40.0 | 12.0 | 46 | 96.0 | 11.3 | 38.2 | 28.0 | 32.0 | 10° | 80 | 8.00 | 0.70 | 40000 | |
| 50 | 20 | 1 | 1 | 930-HA05-S-20-090 | 50.0 | 20.0 | 51 | 90.0 | 16.0 | 64.0 | 37.6 | 41.5 | 7° | 80 | 8.00 | 0.89 | 25000 | |
| | 20 | 1 | 1 | 930-HA05-S-20-110 | 50.0 | 20.0 | 51 | 110.0 | 16.0 | 49.2 | 38.0 | 42.0 | 7° | 80 | 8.00 | 1.19 | 36000 | |
| 63 | 25 | 1 | 1 | 930-HA06-S-25-108 | 63.0 | 25.0 | 57 | 108.0 | 12.9 | 81.1 | 45.0 | 50.0 | 11° | 80 | 8.00 | 1.66 | 20000 | |
| 80 | 25 | 1 | 1 | 930-HA08-S-25-110 | 80.0 | 25.0 | 57 | 110.0 | 12.9 | 83.1 | 45.0 | 50.0 | 11° | 80 | 8.00 | 2.13 | 14000 | |
| 100 | 25 | 1 | 1 | 930-HA10-S-25-110 | 100.0 | 25.0 | 57 | 110.0 | 12.9 | 80.1 | 45.0 | 50.0 | 11° | 80 | 8.00 | 3.02 | 10000 | |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N6 N15 N4

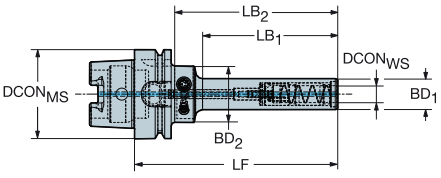
SPA

# HSK a CoroChuck™ 930

**Diseño tipo lápiz**

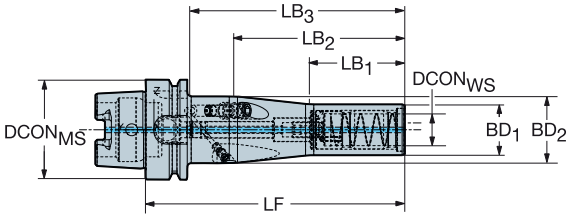
**Adaptador del lado de la máquina HSK A/C**





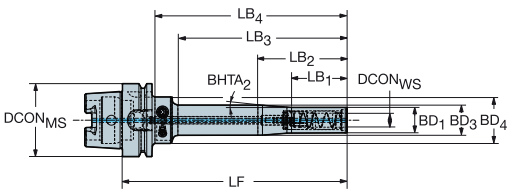

| | | | | | Dimensiones, mm | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_2$ | $BD_3$ | $BD_4$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| 63 | 6 | 1 | 1 | 930-HA06-P-06-094 | 63.0 | 6.0 | 37 | 94.0 | 45.8 | 52.1 | 68.0 | 94.0 | 14.5 | 14.5 | 40.0 | 63.0 | 62° | 80 | 8.00 | 0.89 | 20000 |
| | 8 | 1 | 1 | 930-HA06-P-08-094 | 63.0 | 8.0 | 37 | 94.0 | 45.8 | 65.5 | 94.0 | | 17.5 | 40.0 | 63.0 | | 0° | 80 | 8.00 | 0.87 | 20000 |
| | 10 | 1 | 1 | 930-HA06-P-10-104 | 63.0 | 10.0 | 41 | 104.0 | 55.8 | 75.5 | 104.0 | | 20.0 | 40.0 | 63.0 | | 0° | 80 | 8.00 | 0.91 | 20000 |
| | 10 | 1 | 1 | 930-HA06-P-10-144 | 63.0 | 10.0 | 41 | 144.0 | 95.8 | 115.5 | 144.0 | | 20.0 | 40.0 | 63.0 | | 0° | 80 | 8.00 | 1.01 | 20000 |
| | 12 | 1 | 1 | 930-HA06-P-12-109 | 63.0 | 12.0 | 46 | 109.0 | 60.8 | 66.4 | 83.0 | 109.0 | 22.0 | 22.0 | 40.0 | 63.0 | 55° | 80 | 8.00 | 0.98 | 20000 |
| | 12 | 1 | 1 | 930-HA06-P-12-144 | 63.0 | 12.0 | 46 | 144.0 | 95.8 | 101.4 | 118.0 | 144.0 | 22.0 | 22.0 | 40.0 | 63.0 | 55° | 80 | 8.00 | 1.09 | 20000 |
| 100 | 12 | 1 | 1 | 930-HA10-P-12-115 | 100.0 | 12.0 | 46 | 115.0 | 60.8 | 66.4 | 86.0 | 115.0 | 22.0 | 22.0 | 40.0 | 100.0 | 55° | 80 | 8.00 | 2.40 | 10000 |
| | 12 | 1 | 1 | 930-HA10-P-12-150 | 100.0 | 12.0 | 46 | 150.0 | 95.8 | 101.4 | 121.0 | 150.0 | 22.0 | 22.0 | 40.0 | 100.0 | 55° | 80 | 8.00 | 2.51 | 10000 |






| | | | | | Dimensiones, mm | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_3$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| 63 | 20 | 1 | 1 | 930-HA06-P-20-163 | 63.0 | 20.0 | 51 | 163.0 | 60.0 | 108.0 | 137.0 | 32.0 | 42.0 | 6° | 80 | 8.00 | 1.59 | 20000 |
| 100 | 20 | 1 | 1 | 930-HA10-P-20-170 | 100.0 | 20.0 | 51 | 170.0 | 60.0 | 108.0 | 141.0 | 32.0 | 42.0 | 6° | 80 | 8.00 | 3.06 | 10000 |






| | | | | | Dimensiones, mm | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_3$ | $BD_4$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| 63 | 12 | 1 | 1 | 930-HA06-P-12-194 | 63.0 | 12.0 | 46 | 194.0 | 50.0 | 75.0 | 145.8 | 168.0 | 22.0 | 26.0 | 40.0 | 4° | 80 | 8.00 | 1.39 | 20000 |
| 100 | 12 | 1 | 1 | 930-HA10-P-12-200 | 100.0 | 12.0 | 46 | 200.0 | 50.0 | 75.0 | 145.8 | 171.0 | 22.0 | 26.0 | 40.0 | 4° | 80 | 8.00 | 2.79 | 10000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

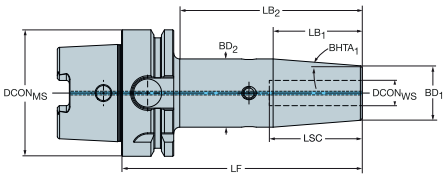
M1 N23 N6 N15 N4

# HSK a adaptador portapinzas de ajuste por contracción térmica

**Adaptador del lado de la máquina HSK A/C**

**Suministro de refrigerante interior**






**Para mecanizado MQL**

| | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | $BHTA_1$ | BAR | KG | RPMX |
| 63 | 6 | 1 | 1 | **HA06-SH06Q-S-080** | 63.0 | 6.0 | 22 | 80.0 | 38.1 | 54.0 | 21.0 | 27.0 | 4° | 10 | 0.83 | 20500 |
| | 6 | 1 | 1 | **HA06-SH06Q-S-120** | 63.0 | 6.0 | 22 | 120.0 | 38.1 | 94.0 | 21.0 | 27.0 | 4° | 10 | 1.01 | 20500 |
| | 8 | 1 | 1 | **HA06-SH08Q-S-080** | 63.0 | 8.0 | 26 | 80.0 | 38.1 | 54.0 | 21.0 | 27.0 | 4° | 10 | 0.82 | 20500 |
| | 8 | 1 | 1 | **HA06-SH08Q-S-120** | 63.0 | 8.0 | 26 | 120.0 | 38.1 | 94.0 | 21.0 | 27.0 | 4° | 10 | 1.00 | 20500 |
| | 10 | 1 | 1 | **HA06-SH10Q-S-085** | 63.0 | 10.0 | 31 | 85.0 | 50.8 | 59.0 | 24.0 | 32.0 | 4° | 10 | 0.90 | 20500 |
| | 10 | 1 | 1 | **HA06-SH10Q-S-120** | 63.0 | 10.0 | 31 | 120.0 | 50.8 | 94.0 | 24.0 | 32.0 | 4° | 10 | 1.11 | 20500 |
| | 12 | 1 | 1 | **HA06-SH12Q-S-090** | 63.0 | 12.0 | 34 | 90.0 | 50.8 | 64.0 | 24.0 | 32.0 | 4° | 10 | 0.91 | 20500 |
| | 12 | 1 | 1 | **HA06-SH12Q-S-120** | 63.0 | 12.0 | 34 | 120.0 | 50.8 | 94.0 | 24.0 | 32.0 | 4° | 10 | 1.09 | 20500 |
| | 16 | 1 | 1 | **HA06-SH16Q-S-095** | 63.0 | 16.0 | 39 | 95.0 | 44.4 | 69.0 | 27.0 | 34.0 | 4° | 10 | 0.97 | 20500 |
| | 16 | 1 | 1 | **HA06-SH16Q-S-120** | 63.0 | 16.0 | 39 | 120.0 | 44.4 | 94.0 | 27.0 | 34.0 | 4° | 10 | 1.14 | 20500 |
| | 20 | 1 | 1 | **HA06-SH20Q-S-100** | 63.0 | 20.0 | 41 | 100.0 | 57.2 | 74.0 | 33.0 | 42.0 | 4° | 10 | 1.17 | 20500 |
| | 20 | 1 | 1 | **HA06-SH20Q-S-120** | 63.0 | 20.0 | 41 | 120.0 | 57.2 | 94.0 | 33.0 | 42.0 | 4° | 10 | 1.38 | 20500 |
| | 25 | 1 | 1 | **HA06-SH25Q-S-115** | 63.0 | 25.0 | 47 | 115.0 | 57.2 | 89.0 | 44.0 | 53.0 | 4° | 10 | 1.75 | 20500 |
| | 32 | 1 | 1 | **HA06-SH32Q-S-120** | 63.0 | 32.0 | 51 | 120.0 | 57.2 | 94.0 | 44.0 | 53.0 | 4° | 10 | 1.64 | 20500 |
| 100 | 6 | 1 | 1 | **HA10-SH06Q-S-085** | 100.0 | 6.0 | 22 | 85.0 | 38.1 | 56.0 | 21.0 | 27.0 | 4° | 10 | 2.19 | 12500 |
| | 6 | 1 | 1 | **HA10-SH06Q-S-120** | 100.0 | 6.0 | 22 | 120.0 | 38.1 | 91.0 | 21.0 | 27.0 | 4° | 10 | 2.34 | 12500 |
| | 8 | 1 | 1 | **HA10-SH08Q-S-085** | 100.0 | 8.0 | 26 | 85.0 | 38.1 | 56.0 | 21.0 | 27.0 | 4° | 10 | 2.18 | 12500 |
| | 8 | 1 | 1 | **HA10-SH08Q-S-120** | 100.0 | 8.0 | 26 | 120.0 | 38.1 | 91.0 | 21.0 | 27.0 | 4° | 10 | 2.33 | 12500 |
| | 10 | 1 | 1 | **HA10-SH10Q-S-090** | 100.0 | 10.0 | 31 | 90.0 | 50.8 | 61.0 | 24.0 | 32.0 | 4° | 10 | 2.26 | 12500 |
| | 10 | 1 | 1 | **HA10-SH10Q-S-120** | 100.0 | 10.0 | 31 | 120.0 | 50.8 | 91.0 | 24.0 | 32.0 | 4° | 10 | 2.44 | 12500 |
| | 12 | 1 | 1 | **HA10-SH12Q-S-095** | 100.0 | 12.0 | 34 | 95.0 | 50.8 | 66.0 | 24.0 | 32.0 | 4° | 10 | 2.28 | 12500 |
| | 12 | 1 | 1 | **HA10-SH12Q-S-120** | 100.0 | 12.0 | 34 | 120.0 | 50.8 | 91.0 | 24.0 | 32.0 | 4° | 10 | 2.42 | 12500 |
| | 16 | 1 | 1 | **HA10-SH16Q-S-100** | 100.0 | 16.0 | 39 | 100.0 | 44.4 | 71.0 | 27.0 | 34.0 | 4° | 10 | 2.34 | 12500 |
| | 16 | 1 | 1 | **HA10-SH16Q-S-130** | 100.0 | 16.0 | 39 | 130.0 | 44.4 | 101.0 | 27.0 | 34.0 | 4° | 10 | 2.54 | 12500 |
| | 20 | 1 | 1 | **HA10-SH20Q-S-105** | 100.0 | 20.0 | 41 | 105.0 | 57.2 | 76.0 | 33.0 | 42.0 | 4° | 10 | 2.54 | 12500 |
| | 20 | 1 | 1 | **HA10-SH20Q-S-130** | 100.0 | 20.0 | 41 | 130.0 | 57.2 | 101.0 | 33.0 | 42.0 | 4° | 10 | 2.80 | 12500 |
| | 25 | 1 | 1 | **HA10-SH25Q-S-115** | 100.0 | 25.0 | 47 | 115.0 | 57.2 | 86.0 | 44.0 | 53.0 | 4° | 10 | 3.06 | 12500 |
| | 32 | 1 | 1 | **HA10-SH32Q-S-120** | 100.0 | 32.0 | 51 | 120.0 | 57.2 | 91.0 | 44.0 | 53.0 | 4° | 10 | 2.95 | 12500 |

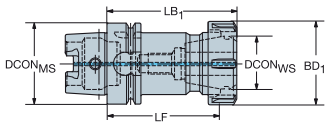
Equilibrio: Posibilidad de ajuste fino

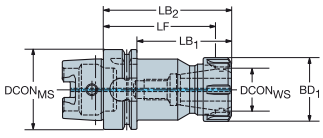
# HSK a portapinzas ER

**Adaptador del lado de la pieza DIN 6499-B**

DSGN 1 2






| | | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | KG | RPMX |
| 40 | ER25 | 1 | 1 | 1 | **392.41014-4025062** | 40.0 | 26.0 | 50.0 | 62.0 | | 42.0 | | 80 | 0.42 | 30000 |
| 50 | ER32 | 1 | 1 | 1 | **392.41014-5032072** | 50.0 | 33.0 | 59.0 | 72.0 | | 50.0 | | 80 | 0.70 | 25000 |
| 63 | ER16 | 1 | 1 | 2 | **392.41014-63 16 100** | 63.0 | 17.0 | 89.4 | 71.0 | 100.0 | 28.0 | 63.0 | 80 | 0.96 | 20500 |
| | ER25 | 1 | 1 | 2 | **392.41014-63 25 100** | 63.0 | 26.0 | 88.0 | 74.0 | 100.0 | 42.0 | 63.0 | 80 | 1.24 | 20500 |
| | ER32 | 1 | 1 | 2 | **392.41014-63 32 100B** | 63.0 | 33.0 | 87.0 | 74.0 | 100.0 | 50.0 | 63.0 | 80 | 1.37 | 20500 |
| | ER40 | 1 | 1 | 1 | **392.41014-63 40 120B** | 63.0 | 41.0 | 105.0 | 120.0 | | 63.0 | | 80 | 1.88 | 20500 |
| 100 | ER32 | 1 | 1 | 2 | **392.41014-100 32 100A** | 100.0 | 33.0 | 87.0 | 71.0 | 100.0 | 50.0 | 100.0 | 80 | 2.75 | 12500 |
| | ER40 | 1 | 1 | 2 | **392.41014-100 40 120A** | 100.0 | 41.0 | 105.0 | 91.0 | 120.0 | 63.0 | 100.0 | 80 | 3.48 | 12500 |
| | ER50 | 1 | 1 | 2 | **392.41014-100 50 130A** | 100.0 | 52.0 | 109.0 | 101.0 | 130.0 | 78.0 | 100.0 | 80 | 4.45 | 12500 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


M1



N23



N15

SPA

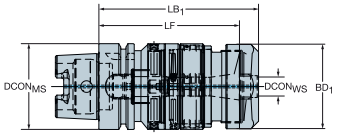
# HSK a CoroChuck™ 970

**Adaptador del lado de la máquina HSK A/C**

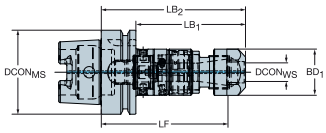
**Adaptador del lado de la pieza DIN 6499-B**



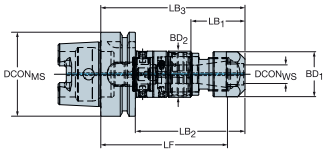
DSGN 1




2




5




| | | | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | TRMAX | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | KG | RPMX |
| 63 | ER32 | M27 | 1 | 1 | 2 | **970-HA06-32-131** | 63.0 | 32.8 | 121.7 | 105.2 | 131.2 | 50.0 | 63.0 | 80 | 1.41 | 8000 |
| | ER40 | M30 | 1 | 1 | 1 | **970-HA06-40-160** | 63.0 | 41.0 | 143.1 | 154.5 | | 63.0 | | 80 | 2.91 | 8000 |
| 100 | ER32 | M27 | 1 | 1 | 2 | **970-HA10-32-138** | 100.0 | 32.8 | 128.2 | 108.7 | 137.7 | 50.0 | 100.0 | 80 | 2.80 | 8000 |
| | ER40 | M30 | 1 | 1 | 2 | **970-HA10-40-164** | 100.0 | 40.8 | 146.6 | 129.1 | 158.0 | 63.0 | 100.0 | 80 | 4.35 | 8000 |

**Para mecanizado MQL**

| | | | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | TRMAX | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | BAR | KG | RPMX |
| 63 | ER20 | M12 | 1 | 1 | 5 | **970-HA06-20-108** | 63.0 | 20.8 | 95.1 | 35.3 | 77.1 | 103.1 | 33.7 | 35.0 | 80 | 1.09 | 8000 |
| | ER20 | M12 | 1 | 1 | 5 | **970-HA06Q-20-108** | 63.0 | 20.8 | 95.1 | 40.3 | 82.1 | 108.1 | 33.7 | 34.6 | 80 | 1.10 | 8000 |
| | ER25 | M20 | 1 | 1 | 5 | **970-HA06-25-128** | 63.0 | 25.8 | 114.0 | 37.1 | 96.5 | 122.5 | 42.0 | 44.0 | 80 | 1.44 | 8000 |
| | ER25 | M20 | 1 | 1 | 5 | **970-HA06Q-25-128** | 63.0 | 25.8 | 114.0 | 43.2 | 101.5 | 127.5 | 41.7 | 44.0 | 80 | 1.05 | 8000 |
| 100 | ER20 | M12 | 1 | 1 | 5 | **970-HA10-20-115** | 100.0 | 20.8 | 101.6 | 35.3 | 80.5 | 109.6 | 33.7 | 35.0 | 80 | 2.58 | 8000 |
| | ER20 | M12 | 1 | 1 | 5 | **970-HA10Q-20-115** | 100.0 | 20.8 | 101.6 | 40.7 | 85.6 | 114.6 | 33.7 | 34.6 | 80 | 2.53 | 8000 |
| | ER25 | M20 | 1 | 1 | 5 | **970-HA10-25-134** | 100.0 | 25.8 | 120.5 | 37.1 | 100.0 | 129.0 | 42.0 | 44.0 | 80 | 2.92 | 8000 |
| | ER25 | M20 | 1 | 1 | 5 | **970-HA10Q-25-134** | 100.0 | 25.8 | 120.5 | 42.1 | 105.0 | 134.0 | 41.7 | 44.0 | 80 | 2.89 | 8000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


M1



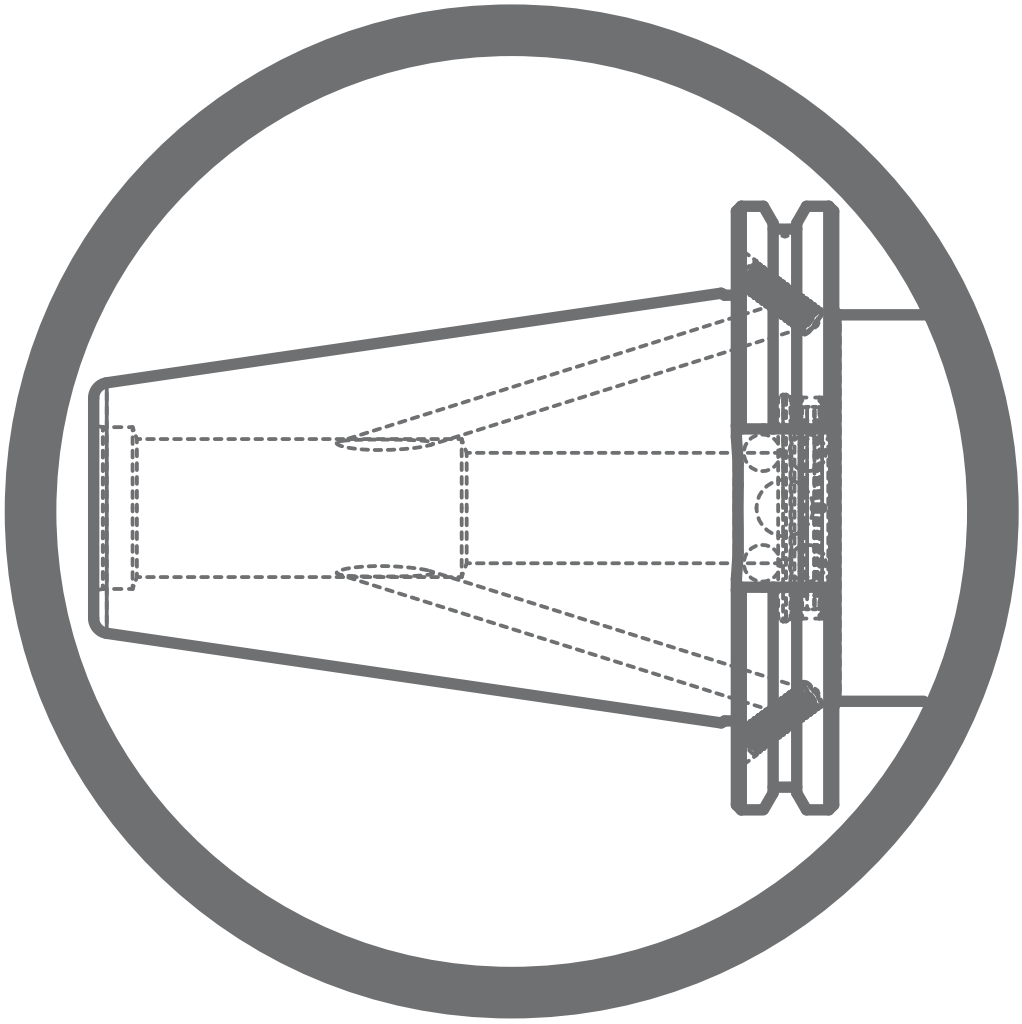
N23



N15


N5

# Adaptador del lado de la máquina BIG-PLUS® ISO



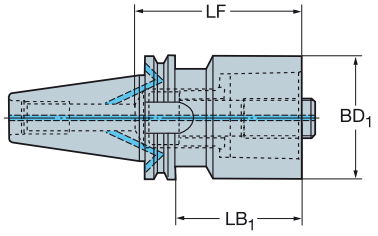
SPA

# BIG-PLUS ISO a Coromant Capto® , adaptador

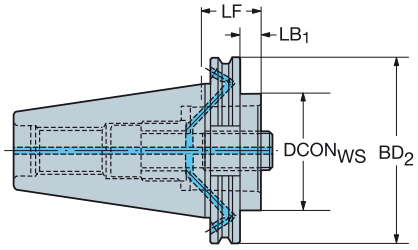
**Adaptador del lado de la máquina compatible con ISO 7388-1 y DIN 69871-ADB**



DSGN 1




2

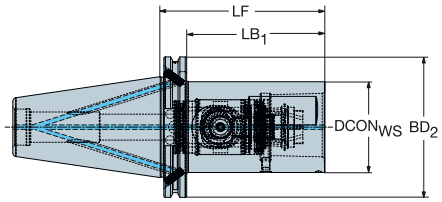



| | | | | | | Dimensiones, mm | | | | | | BAR | NM | KG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_2$ | | | |
| 40 | C3 | 7 | 1 | 2 | C3-390B.540-40 030 | M16 | 32.0 | 30.0 | 10.9 | 30.0 | 63.5 | 80 | 45.00 | 0.89 |
| | C4 | 7 | 1 | 2 | C4-390B.540-40 040 | M16 | 40.0 | 40.0 | 20.9 | 40.0 | 63.5 | 80 | 55.00 | 0.96 |
| | C5 | 7 | 1 | 2 | C5-390B.540-40 050 | M16 | 50.0 | 50.0 | 30.9 | 50.0 | 63.5 | 80 | 95.00 | 1.12 |
| | C6 | 7 | 1 | 2 | C6-390B.540-40 085 | M16 | 63.0 | 85.0 | 30.9 | 50.0 | 63.5 | 80 | 170.00 | 1.81 |
| 50 | C3 | 7 | 1 | 2 | C3-390.540-50 030A | M24 | 32.0 | 30.0 | 10.9 | 30.0 | 97.5 | 80 | 45.00 | 2.80 |
| | C3 | 7 | 1 | 2 | C3-390.540-50 060 | M24 | 32.0 | 60.0 | 40.9 | 60.0 | 97.5 | 80 | 45.00 | 2.91 |
| | C4 | 7 | 1 | 2 | C4-390.540-50 030A | M24 | 40.0 | 30.0 | 10.9 | 30.0 | 97.5 | 80 | 55.00 | 2.80 |
| | C4 | 7 | 1 | 2 | C4-390.540-50 060 | M24 | 40.0 | 60.0 | 40.9 | 60.0 | 97.5 | 80 | 55.00 | 3.01 |
| | C5 | 7 | 1 | 2 | C5-390.540-50 030A | M24 | 50.0 | 30.0 | 10.9 | 30.0 | 97.5 | 80 | 95.00 | 2.75 |
| | C5 | 7 | 1 | 2 | C5-390.540-50 070 | M24 | 50.0 | 70.0 | 50.9 | 70.0 | 97.5 | 80 | 95.00 | 3.27 |
| | C6 | 7 | 1 | 2 | C6-390.540-50 050A | M24 | 63.0 | 50.0 | 30.9 | 50.0 | 97.5 | 80 | 170.00 | 3.10 |
| | C6 | 7 | 1 | 2 | C6-390.540-50 100 | M24 | 63.0 | 100.0 | 80.9 | 100.0 | 97.5 | 80 | 170.00 | 4.22 |
| | C8 | 7 | 1 | 2 | C8-390.540-50 070A | M24 | 80.0 | 70.0 | 50.9 | 70.0 | 97.5 | 80 | 170.00 | 3.90 |
| | C8 | 7 | 1 | 2 | C8-390.540-50 120 | M24 | 80.0 | 120.0 | 100.9 | 120.0 | 97.5 | 80 | 170.00 | 5.74 |
| | C10 | 7 | 1 | 1 | C10-390.540-50 140 | M24 | 100.0 | 140.0 | 140.0 | | | 80 | 380.00 | 7.72 |

# BIG-PLUS ISO a adaptador Coromant Capto® con cambio rápido

**Adaptador del lado de la máquina compatible con ISO 7388-1 y DIN 69871-ADB**






| | | | | | Dimensiones, mm | | | | | BAR | NM | KG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $BD_2$ | | | |
| 50 | C6 | 7 | 1 | IB50-QC-C6-115 | M24 | 63.0 | 115.0 | 95.0 | 97.4 | 80 | 90.00 | 4.48 |

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M1 N23 N15

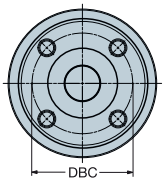
# BIG-PLUS ISO a adaptador en eje

**Refrigerante a través del eje**

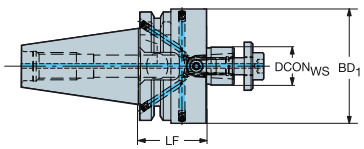
**Adaptador del lado de la máquina compatible con ISO 7388-1 y DIN 69871-ADB**



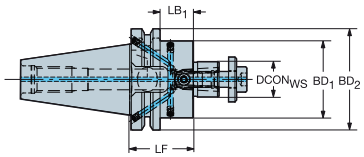
DSGN




1

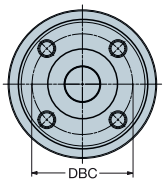


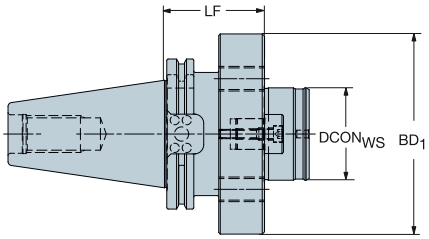

2




| CZC$_{MS}$ | CZC$_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | Dimensiones, mm DBC | CRKS | DCON$_{WS}$ | LF | LB$_1$ | LB$_2$ | BD$_1$ | BD$_2$ | BAR | NM | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | 16 | 7 | 4 | 2 | 392.54005C4016045 | | M16 | 16.0 | 45.0 | 25.9 | 45.0 | 32.0 | 63.5 | 80 | 22.00 | 1.04 | 18000 |
| | 22 | 7 | 4 | 2 | 392.54005C4022040 | | M16 | 22.0 | 40.0 | 20.9 | 40.0 | 48.0 | 63.5 | 80 | 45.00 | 1.20 | 18000 |
| | 27 | 7 | 4 | 2 | 392.54005C4027050 | | M16 | 27.0 | 50.0 | 30.9 | 50.0 | 60.0 | 63.5 | 80 | 80.00 | 1.51 | 18000 |
| | 32 | 7 | 4 | 1 | 392.54005C4032055 | | M16 | 32.0 | 55.0 | 55.0 | | 78.0 | | 80 | 180.00 | 2.03 | 18000 |
| | 40S | 7 | 4 | 1 | 392.54005C4040055M | 66.7 | M16 | 40.0 | 55.0 | 55.0 | | 87.0 | | 80 | 300.00 | 2.37 | 18000 |
| 50 | 22 | 7 | 4 | 2 | 392.54005C5022040 | | M24 | 22.0 | 40.0 | 21.0 | 40.0 | 48.0 | 97.5 | 80 | 45.00 | 3.04 | 12000 |
| | 27 | 7 | 4 | 2 | 392.54005C5027050 | | M24 | 27.0 | 50.0 | 30.9 | 50.0 | 60.0 | 97.5 | 80 | 80.00 | 3.45 | 12000 |
| | 32 | 7 | 4 | 2 | 392.54005C5032055 | | M24 | 32.0 | 55.0 | 35.9 | 55.0 | 78.0 | 97.5 | 80 | 180.00 | 4.11 | 12000 |
| | 40S | 7 | 4 | 2 | 392.54005C5040060 | 66.7 | M24 | 40.0 | 60.0 | 40.9 | 60.0 | 87.0 | 97.0 | 80 | 300.00 | 4.65 | 12000 |






| CZC$_{MS}$ | CZC$_{WS}$ | Código de pedido | Dimensiones, mm DBC | CRKS | DCON$_{WS}$ | LF | BD$_1$ | NM | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 60 | 392.54005-5060065 | 101.6 | M24 | 60.0 | 65.0 | 130.0 | 180.00 | 7.70 | 12000 |

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M1 N23 N15

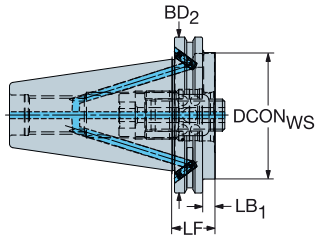
SPA

# BIG-PLUS ISO a adaptador VL

**Adaptador del lado de la máquina compatible con ISO 7388-1 y DIN 69871-ADB**

**Adaptador del lado de la pieza DIN 6499-B**






| | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| 50 | 80 | 7 | 1 | **390B.540-50 80 027** | M24 | 80.0 | 27.0 | 7.9 | 97.5 | 80 | 170.00 | 2.87 | 12000 |

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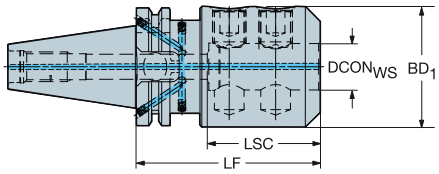
M1 N23 N15

# BIG-PLUS ISO a Weldon/ISO 9766, adaptador

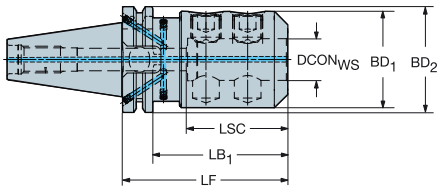
**Adaptador del lado de la máquina compatible con ISO 7388-1 y DIN 69871-ADB**



DSGN 1




2




| | | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| 40 | 16 | 7 | 1 | 2 | **392.54023-4016060** | M16 | 16.0 | | 60.0 | 40.9 | 60.0 | 48.0 | 63.5 | 20 | 25.00 | 1.32 | 18000 |
| | 20 | 7 | 1 | 2 | **392.54023-4020070** | M16 | 20.0 | | 70.0 | 50.9 | 70.0 | 52.0 | 63.5 | 20 | 25.00 | 1.52 | 18000 |
| | 25 | 7 | 1 | 1 | **392.54023-4025100** | M16 | 25.0 | | 100.0 | 100.0 | | 65.0 | | 20 | 25.00 | 2.43 | 18000 |
| | 32 | 7 | 1 | 1 | **392.54023-4032105** | M16 | 32.0 | | 105.0 | 105.0 | | 72.0 | | 20 | 45.00 | 2.80 | 18000 |
| | 40 | 7 | 1 | 1 | **392.54023-4040115** | M16 | 40.0 | | 115.0 | 115.0 | | 90.0 | | 20 | 45.00 | 4.28 | 18000 |
| 50 | 25 | 7 | 1 | 2 | **392.54023-5025085** | M24 | 25.0 | 60 | 85.0 | 65.9 | 85.0 | 65.0 | 97.5 | 20 | 25.00 | 4.05 | 12000 |
| | 32 | 7 | 1 | 2 | **392.54023-5032090** | M24 | 32.0 | 64 | 90.0 | 69.9 | 90.0 | 72.0 | 97.5 | 20 | 45.00 | 4.42 | 12000 |
| | 40 | 7 | 1 | 2 | **392.54023-5040115** | M24 | 40.0 | 74 | 115.0 | 95.9 | 115.0 | 90.0 | 97.0 | 20 | 45.00 | 6.35 | 12000 |

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M1 N23 N15

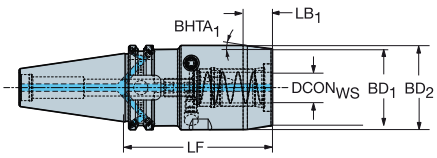
SPA

# BIG-PLUS ISO a CoroChuck™ 930

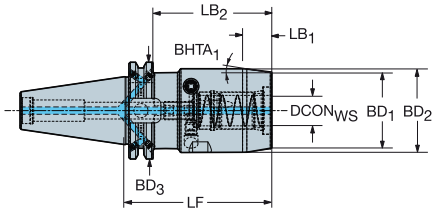
**Adaptador del lado de la máquina compatible con ISO 7388-1 y DIN 69871-ADB**



DSGN 3




6

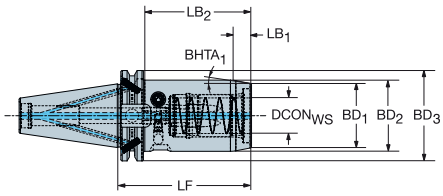



## Diseño de mecanizado pesado

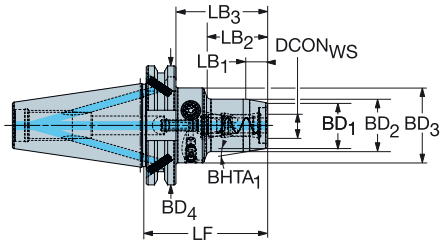
| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | $BHTA_1$ | BAR | NM | KG | RPMX |
| 40 | 20 | 7 | 1 | 6 | 930-IB40-HD-20-097 | M16 | 20.0 | 51 | 97.0 | 17.8 | 77.9 | 97.0 | 50.0 | 55.0 | 63.5 | 8° | 80 | 10.00 | 2.03 | 18000 |
| | 25 | 7 | 1 | 3 | 930-IB40-HD-25-103 | M16 | 25.0 | 57 | 103.0 | 18.8 | 103.0 | | 57.0 | 65.0 | | 12° | 80 | 10.00 | 2.50 | 18000 |
| 50 | 20 | 7 | 1 | 6 | 930-IB50-HD-20-083 | M24 | 20.0 | 51 | 83.0 | 17.8 | 63.9 | 83.0 | 50.0 | 55.0 | 97.4 | 8° | 80 | 10.00 | 3.72 | 12000 |
| | 25 | 7 | 1 | 6 | 930-IB50-HD-25-087 | M24 | 25.0 | 57 | 87.0 | 18.8 | 67.9 | 87.0 | 57.0 | 65.0 | 97.4 | 12° | 80 | 10.00 | 4.17 | 12000 |
| | 32 | 7 | 1 | 6 | 930-IB50-HD-32-077 | M24 | 32.0 | 61 | 77.0 | 18.8 | 57.9 | 77.0 | 68.0 | 76.0 | 97.4 | 12° | 80 | 10.00 | 4.27 | 12000 |



DSGN 6




10




## Diseño delgado

| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_2$ | $BD_3$ | $BD_4$ | $BHTA_1$ | BAR | NM | KG | RPMX |
| 40 | 6 | 7 | 1 | 10 | 930-IB40-S-06-068 | M16 | 6.0 | 37 | 68.0 | 11.3 | 30.2 | 48.9 | 68.0 | 22.0 | 26.0 | 40.0 | 63.5 | 10° | 80 | 8.00 | 1.08 | 18000 |
| | 8 | 7 | 1 | 10 | 930-IB40-S-08-068 | M16 | 8.0 | 37 | 68.0 | 11.3 | 30.2 | 48.9 | 68.0 | 24.0 | 28.0 | 40.0 | 63.5 | 10° | 80 | 8.00 | 1.10 | 18000 |
| | 10 | 7 | 1 | 10 | 930-IB40-S-10-072 | M16 | 10.0 | 41 | 72.0 | 11.3 | 34.2 | 52.9 | 72.0 | 26.0 | 30.0 | 40.0 | 63.5 | 10° | 80 | 8.00 | 1.13 | 18000 |
| | 12 | 7 | 1 | 10 | 930-IB40-S-12-080 | M16 | 12.0 | 46 | 80.0 | 11.3 | 38.2 | 60.9 | 80.0 | 28.0 | 32.0 | 50.0 | 63.5 | 10° | 80 | 8.00 | 1.33 | 18000 |
| | 20 | 7 | 1 | 10 | 930-IB40-S-20-090 | M16 | 20.0 | 51 | 90.0 | 16.0 | 49.2 | 70.9 | 90.0 | 38.0 | 42.0 | 50.0 | 63.5 | 7° | 80 | 8.00 | 1.52 | 18000 |
| | 25 | 7 | 1 | 6 | 930-IB40-S-25-095 | M16 | 25.0 | 57 | 95.0 | 12.9 | 75.0 | 95.0 | | 45.0 | 50.0 | 63.5 | | 11° | 80 | 8.00 | 1.74 | 18000 |
| 50 | 20 | 7 | 1 | 10 | 930-IB50-S-20-089 | M24 | 20.0 | 51 | 89.0 | 16.0 | 49.2 | 69.9 | 89.0 | 38.0 | 42.0 | 50.0 | 97.4 | 7° | 80 | 8.00 | 3.40 | 12000 |
| | 25 | 7 | 1 | 6 | 930-IB50-S-25-095 | M24 | 25.0 | 57 | 95.0 | 12.9 | 73.5 | 95.0 | | 45.0 | 50.0 | 97.4 | | 11° | 80 | 8.00 | 3.61 | 12000 |

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Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

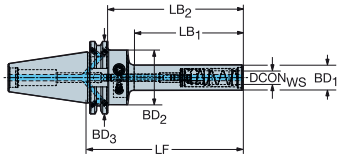
M1 N23 N15 N4

# BIG-PLUS ISO a CoroChuck™ 930

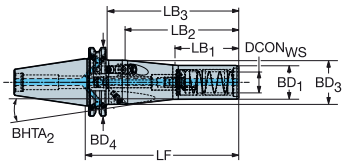
**Adaptador del lado de la máquina compatible con ISO 7388-1 y DIN 69871-ADB**



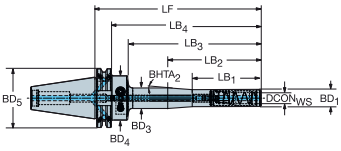
DSGN 5




11




17

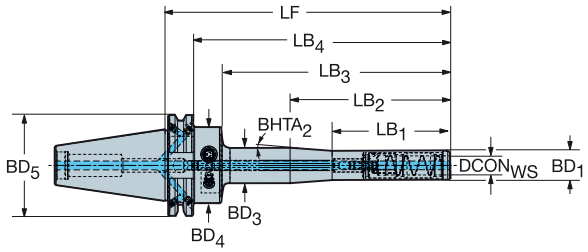



**Diseño tipo lápiz**

| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $LB_5$ | $BD_1$ | $BD_2$ | $BD_3$ | $BD_4$ | $BD_5$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| 40 | 8 | 7 | 1 | 5 | **930-IB40-P-08-088** | M16 | 8.0 | 37 | 88.0 | 45.8 | 66.5 | 88.0 | | | 17.5 | 40.0 | 63.5 | | | 0° | 80 | 8.00 | 1.06 | 18000 |
| | 10 | 7 | 1 | 5 | **930-IB40-P-10-098** | M16 | 10.0 | 41 | 98.0 | 55.8 | 76.5 | 98.0 | | | 20.0 | 40.0 | 63.5 | | | 0° | 80 | 8.00 | 1.10 | 18000 |
| | 10 | 7 | 1 | 5 | **930-IB40-P-10-138** | M16 | 10.0 | 41 | 138.0 | 95.8 | 116.5 | 138.0 | | | 20.0 | 40.0 | 63.5 | | | 0° | 80 | 8.00 | 1.20 | 18000 |
| | 12 | 7 | 1 | 5 | **930-IB40-P-12-103** | M16 | 12.0 | 46 | 103.0 | 65.0 | 83.9 | 103.0 | | | 22.0 | 40.0 | 63.5 | | | 0° | 80 | 8.00 | 1.19 | 18000 |
| | 12 | 7 | 1 | 5 | **930-IB40-P-12-138** | M16 | 12.0 | 46 | 138.0 | 100.0 | 118.9 | 138.0 | | | 22.0 | 40.0 | 63.5 | | | 0° | 80 | 8.00 | 1.29 | 18000 |
| | 12 | 7 | 1 | 17 | **930-IB40-P-12-188** | M16 | 12.0 | 46 | 188.0 | 50.0 | 75.0 | 150.0 | 168.9 | 188 | 22.0 | 22.0 | 26.0 | 40.0 | 63 | 4° | 80 | 8.00 | 1.58 | 18000 |
| | 20 | 7 | 1 | 11 | **930-IB40-P-20-145** | M16 | 20.0 | 51 | 145.0 | 60.0 | 108.0 | 125.9 | 145.0 | | 32.0 | 32.0 | 42.0 | 63.5 | | 5° | 80 | 8.00 | 1.66 | 18000 |

DSGN 17






| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_3$ | $BD_4$ | $BD_5$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| 40 | 12 | 7 | 1 | 17 | **930-IB40-P-12-188** | M16 | 12.0 | 46 | 188.0 | 50.0 | 75.0 | 150.0 | 168.9 | 22.0 | 26.0 | 40.0 | 63 | 4° | 80 | 8.00 | 1.58 | 18000 |

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M1 N23 N15 N4

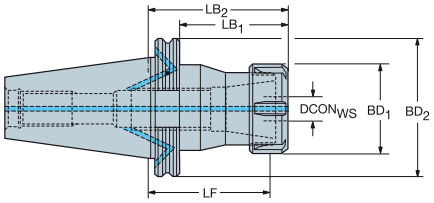
SPA

# BIG-PLUS ISO a portapinzas ER

**Adaptador del lado de la máquina compatible con ISO 7388-1 y DIN 69871-ADB**

**Adaptador del lado de la pieza DIN 6499-B**






| | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | KG | RPMX |
| 40 | ER25 | 7 | 1 | **392.54014-4025070** | M16 | 26.0 | 58.0 | 30.9 | 70.0 | 42.0 | 63.5 | 80 | 1.17 | 18000 |
| | ER40 | 7 | 1 | **392.54014-4040075** | M16 | 41.0 | 60.0 | 55.9 | 75.0 | 63.0 | 63.5 | 80 | 1.43 | 18000 |

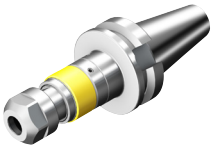
SISTEMA BIG-PLUS® con licencia de BIG Daishowa

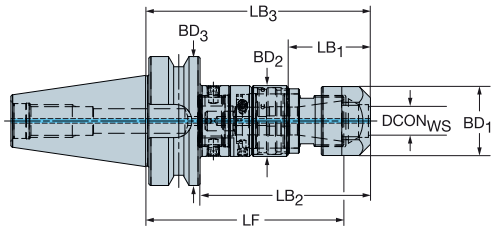
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

# BIG-PLUS ISO a CoroChuck™ 970

**Adaptador del lado de la pieza DIN 6499-B**






| CZC$_{MS}$ | CZC$_{WS}$ | TRMAX | CNSC | CXSC | Código de pedido | Dimensiones, mm CRKS | DCON$_{WS}$ | LF | LB$_1$ | LB$_2$ | LB$_3$ | BD$_1$ | BD$_2$ | BD$_3$ | BAR | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | ER20 | M12 | 7 | 1 | **970-IB50-20-106** | M24 | 20.8 | 93.2 | 35.3 | 82.1 | 101.2 | 33.7 | 35.0 | 97.5 | 80 | 3.00 | 8000 |
| | ER25 | M20 | 7 | 1 | **970-IB50-25-126** | M24 | 25.8 | 112.1 | 37.1 | 101.5 | 120.6 | 42.0 | 44.0 | 97.5 | 80 | 3.50 | 8000 |

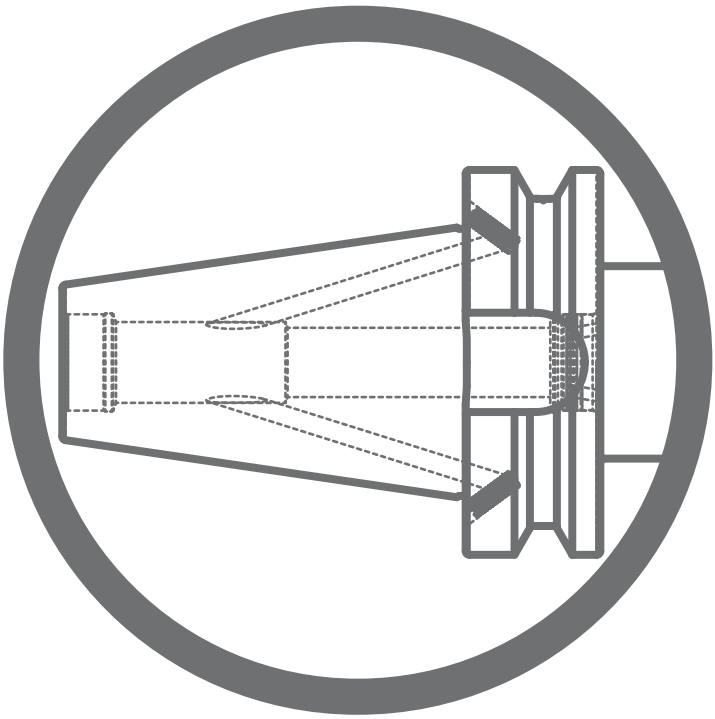
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N23 N15 N5

SPA

# Adaptador del lado de la máquina BIG-PLUS® MAS-BT

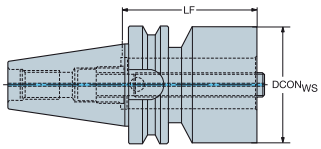


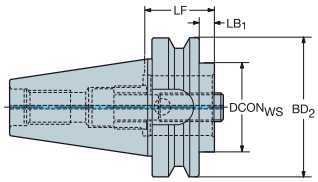
# BIG-PLUS MAS-BT a Coromant Capto® , adaptador

**Adaptador del lado de la máquina compatible con MAS-BT 403 y JIS B 6339**

DSGN 1 2



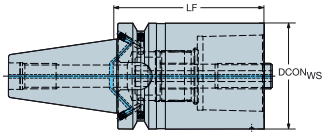


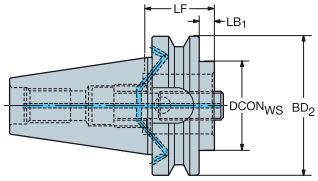




| | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_2$ | BAR | NM | KG |
| 30 | C3 | 1 | 1 | 2 | **C3-390.555-30 040** | M12 | 32.0 | 40.0 | 18.0 | 40.0 | 46.0 | 80 | 45.00 | 0.48 |
| | C4 | 1 | 1 | 2 | **C4-390.555-30 060** | M12 | 40.0 | 60.0 | 38.0 | 60.0 | 46.0 | 80 | 55.00 | 0.67 |
| | C5 | 1 | 1 | 1 | **C5-390.555-30 080** | M12 | 50.0 | 80.0 | 80.0 | | | 80 | 95.00 | 1.08 |

DSGN 1 2






| | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_2$ | BAR | NM | KG |
| 40 | C3 | 7 | 1 | 2 | **C3-390B.555-40 030** | M16 | 32.0 | 30.0 | 3.0 | 30.0 | 63.0 | 80 | 45.00 | 1.00 |
| | C4 | 7 | 1 | 2 | **C4-390B.555-40 040** | M16 | 40.0 | 40.0 | 13.0 | 40.0 | 63.0 | 80 | 55.00 | 1.04 |
| | C4 | 7 | 1 | 2 | **C4-390B.555-40 070** | M16 | 40.0 | 70.0 | 43.0 | 70.0 | 63.0 | 80 | 55.00 | 1.32 |
| | C5 | 7 | 1 | 2 | **C5-390B.555-40 050** | M16 | 50.0 | 50.0 | 23.0 | 50.0 | 63.0 | 80 | 95.00 | 1.16 |
| | C5 | 7 | 1 | 2 | **C5-390B.555-40 090** | M16 | 50.0 | 90.0 | 63.0 | 90.0 | 63.0 | 80 | 95.00 | 1.73 |
| | C6 | 7 | 1 | 1 | **C6-390B.555-40 075** | M16 | 63.0 | 75.0 | 75.0 | | | 80 | 170.00 | 1.75 |
| 50 | C3 | 7 | 1 | 2 | **C3-390B.558-50 040** | M24 | 32.0 | 40.0 | 2.0 | 40.0 | 100.0 | 80 | 45.00 | 3.72 |
| | C3 | 7 | 1 | 2 | **C3-390B.558-50 070** | M24 | 32.0 | 70.0 | 32.0 | 70.0 | 100.0 | 80 | 45.00 | 3.82 |
| | C4 | 7 | 1 | 2 | **C4-390B.558-50 040** | M24 | 40.0 | 40.0 | 2.0 | 40.0 | 100.0 | 80 | 55.00 | 3.72 |
| | C4 | 7 | 1 | 2 | **C4-390B.558-50 070** | M24 | 40.0 | 70.0 | 32.0 | 70.0 | 100.0 | 80 | 55.00 | 3.90 |
| | C5 | 7 | 1 | 2 | **C5-390B.558-50 040** | M24 | 50.0 | 40.0 | 2.0 | 40.0 | 100.0 | 80 | 95.00 | 3.59 |
| | C5 | 7 | 1 | 2 | **C5-390B.558-50 080** | M24 | 50.0 | 80.0 | 42.0 | 80.0 | 100.0 | 80 | 95.00 | 4.13 |
| | C6 | 7 | 1 | 2 | **C6-390B.558-50 050** | M24 | 63.0 | 50.0 | 12.0 | 50.0 | 100.0 | 80 | 170.00 | 3.64 |
| | C6 | 7 | 1 | 2 | **C6-390B.558-50 100** | M24 | 63.0 | 100.0 | 62.0 | 100.0 | 100.0 | 80 | 170.00 | 4.75 |
| | C8 | 7 | 1 | 2 | **C8-390B.558-50 070** | M24 | 80.0 | 70.0 | 32.0 | 70.0 | 100.0 | 80 | 170.00 | 4.16 |
| | C8 | 7 | 1 | 2 | **C8-390B.558-50 120** | M24 | 80.0 | 120.0 | 82.0 | 120.0 | 100.0 | 80 | 170.00 | 6.02 |
| | C10 | 7 | 1 | 1 | **C10-390B.558-50 140** | M24 | 100.0 | 140.0 | 140.0 | | | 80 | 380.00 | 8.01 |

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M1 N23 N15

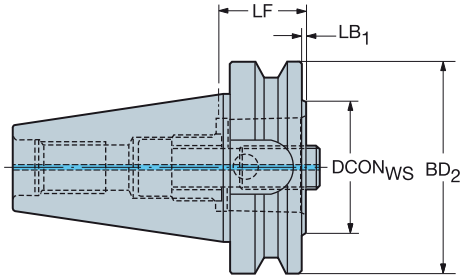
SPA

## BIG-PLUS MAS-BT a Coromant Capto® , adaptador

**Polígono rotado 90° para una mayor precisión del control de la punta de la herramienta**

**Diseñado para las series de máquinas -e de Mazak™ y Mori Seiki NT™**



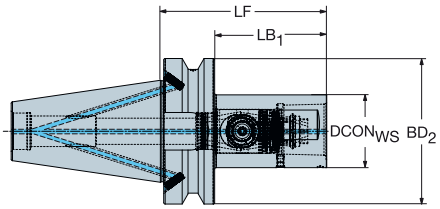



| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $BD_2$ | BAR | NM | KG |
| 40 | C5 | 1 | 1 | **C5-390.562-40 050** | M16 | 50.0 | 50.0 | 23.0 | 63.0 | 80 | 45.00 | 1.16 |
| 50 | C6 | 1 | 1 | **C6-390.562-50 050** | M24 | 63.0 | 50.0 | 12.0 | 100.0 | 80 | 65.00 | 3.66 |
| | C8 | 1 | 1 | **C8-390.562-50 070** | M24 | 80.0 | 70.0 | 32.0 | 100.0 | 80 | 65.00 | 4.18 |

## BIG-PLUS MAS-BT a adaptador Coromant Capto® con cambio rápido

**Adaptador del lado de la máquina compatible con MAS-BT 403 y JIS B 6339**

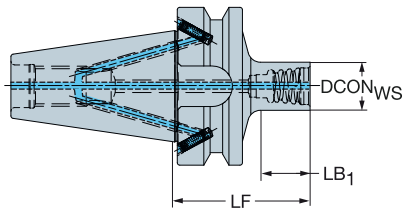





| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $BD_2$ | BAR | NM | KG |
| 50 | C6 | 7 | 1 | **BB50-QC-C6-135** | M24 | 63.0 | 135.0 | 96.0 | 135.0 | 80 | 90.00 | 5.52 |

## BIG-PLUS MAS-BT a adaptador Coromant EH






| | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| 30 | E12 | 1 | 1 | **EH-BB30-12-044** | M12 | 11.6 | 44.0 | 15.4 | 46.0 | 80 | 15.00 | 0.41 | 25000 |
| | E16 | 1 | 1 | **EH-BB30-16-050** | M12 | 15.4 | 50.0 | 22.0 | 46.0 | 80 | 30.00 | 0.43 | 25000 |
| | E20 | 1 | 1 | **EH-BB30-20-047** | M12 | 19.2 | 47.0 | 19.4 | 46.0 | 80 | 50.00 | 0.43 | 25000 |
| | E25 | 1 | 1 | **EH-BB30-25-052** | M12 | 24.1 | 52.0 | 25.1 | 46.0 | 80 | 65.00 | 0.46 | 25000 |

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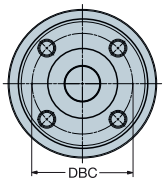
M1 N23 N15 N3

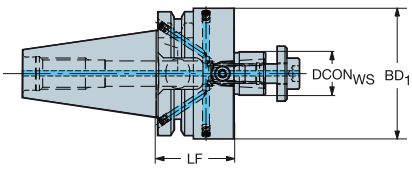
# BIG-PLUS MAS-BT a adaptador de eje

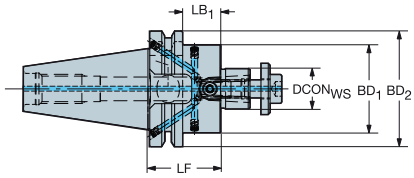
**Adaptador del lado de la máquina compatible con MAS-BT 403 y JIS B 6339**

DSGN 1 2





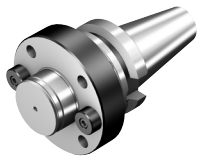



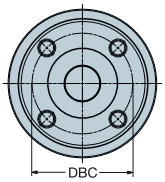



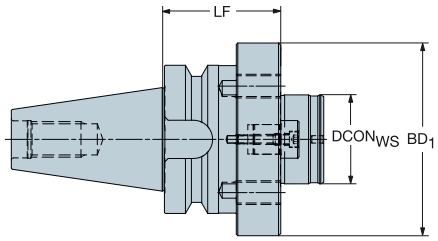

| | | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CZC$_{MS}$ | CZC$_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | DBC | CRKS | DCON$_{WS}$ | LF | LB$_1$ | LB$_2$ | BD$_1$ | BD$_2$ | BAR | NM | KG | RPMX |
| 30 | 16 | 1 | 4 | 2 | 392.55505C3016040 | | M12 | 16.0 | 40.0 | 18.0 | 40.0 | 32.0 | 46.0 | 80 | 22.00 | 0.55 | 25000 |
| | 22 | 1 | 4 | 1 | 392.55505C3022040 | | M12 | 22.0 | 40.0 | 40.0 | | 48.0 | | 80 | 45.00 | 0.73 | 25000 |
| | 27 | 1 | 4 | 1 | 392.55505C3027040 | | M12 | 27.0 | 40.0 | 40.0 | | 60.0 | | 80 | 80.00 | 0.91 | 25000 |
| | 32 | 1 | 4 | 1 | 392.55505C3032045 | | M12 | 32.0 | 45.0 | 45.0 | | 78.0 | | 80 | 180.00 | 1.40 | 25000 |
| 40 | 16 | 7 | 4 | 2 | 392.55505C4016050 | | M16 | 16.0 | 50.0 | 23.0 | 50.0 | 32.0 | 63.0 | 80 | 22.00 | 1.18 | 18000 |
| | 22 | 7 | 4 | 2 | 392.55505C4022045 | | M16 | 22.0 | 45.0 | 18.0 | 45.0 | 48.0 | 63.0 | 80 | 45.00 | 1.32 | 18000 |
| | 27 | 7 | 4 | 2 | 392.55505C4027045 | | M16 | 27.0 | 45.0 | 18.0 | 45.0 | 60.0 | 63.0 | 80 | 80.00 | 1.50 | 18000 |
| | 32 | 7 | 4 | 1 | 392.55505C4032050 | | M16 | 32.0 | 50.0 | 50.0 | | 78.0 | | 80 | 180.00 | 2.01 | 18000 |
| | 40S | 7 | 4 | 1 | 392.55505C4040055M | 66.7 | M16 | 40.0 | 55.0 | 55.0 | | 87.0 | | 80 | 300.00 | 2.58 | 18000 |
| 50 | 22 | 7 | 4 | 2 | 392.55805C5022055 | | M24 | 22.0 | 55.0 | 17.0 | 55.0 | 48.0 | 100.0 | 80 | 45.00 | 3.96 | 12000 |
| | 27 | 7 | 4 | 2 | 392.55805C5027055 | | M24 | 27.0 | 55.0 | 17.0 | 55.0 | 60.0 | 100.0 | 80 | 80.00 | 4.14 | 12000 |
| | 32 | 7 | 4 | 2 | 392.55805C5032055 | | M24 | 32.0 | 55.0 | 17.0 | 55.0 | 78.0 | 100.0 | 80 | 180.00 | 4.43 | 12000 |
| | 40S | 7 | 4 | 2 | 392.55805C5040055 | 66.7 | M24 | 40.0 | 55.0 | 17.0 | 55.0 | 87.0 | 100.0 | 80 | 300.00 | 4.69 | 12000 |

# BIG-PLUS MAS-BT a adaptador de eje

**Adaptador del lado de la máquina compatible con ISO 7388-1 y DIN 69871-ADB**






| | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CZC$_{MS}$ | CZC$_{WS}$ | **Código de pedido** | DBC | CRKS | DCON$_{WS}$ | LF | BD$_1$ | NM | KG | RPMX |
| 50 | 60 | 392.55805-5060080 | 101.6 | M24 | 60.0 | 80.0 | 130.0 | 180.00 | 8.82 | 12000 |

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M1



N23



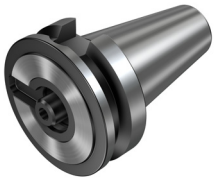
N15

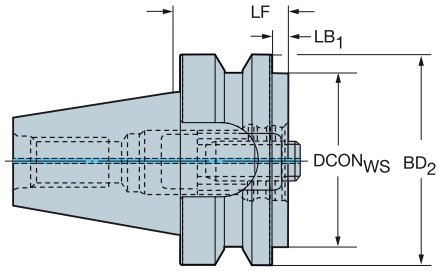
SPA

# BIG-PLUS MAS-BT a adaptador VL

**Adaptador del lado de la máquina compatible con MAS-BT 403 y JIS B 6339**

**Refrigerante por el centro**





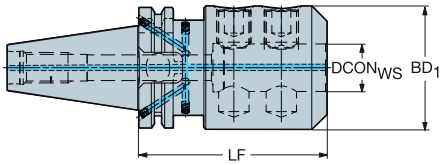

| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $BD_2$ | BAR | NM | KG |
| 50 | 80 | 1 | 1 | **390.558-50 80 040** | M24 | 80.0 | 40.0 | 2.0 | 100.0 | 80 | 180.00 | 3.50 |

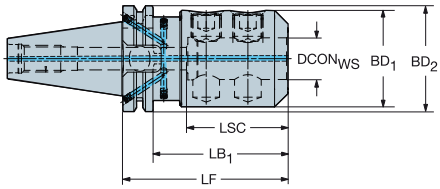
# BIG-PLUS MAS-BT a Weldon/ISO 9766, adaptador

**Adaptador del lado de la máquina compatible con MAS-BT 403 y JIS B 6339**

DSGN 1 2






| | | | | | | Dimensiones, mm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| 30 | 16 | 1 | 1 | 1 | **392.55523-3016060** | M12 | 16.0 | 60.0 | 60.0 | | 48.0 | | 20 | 20.00 | 0.86 | 25000 |
| | 20 | 1 | 1 | 1 | **392.55523-3020065** | M12 | 20.0 | 65.0 | 65.0 | | 52.0 | | 20 | 20.00 | 0.97 | 25000 |
| | 25 | 1 | 1 | 1 | **392.55523-3025090** | M12 | 25.0 | 90.0 | 90.0 | | 65.0 | | 20 | 65.00 | 1.80 | 25000 |
| | 32 | 1 | 1 | 1 | **392.55523-3032095** | M12 | 32.0 | 95.0 | 95.0 | | 72.0 | | 20 | 45.00 | 2.16 | 25000 |
| 40 | 16 | 7 | 1 | 2 | **392.55523-4016065** | M16 | 16.0 | 65.0 | 38.0 | 65.0 | 48.0 | 63.0 | 20 | 20.00 | 1.43 | 18000 |
| | 20 | 7 | 1 | 2 | **392.55523-4020065** | M16 | 20.0 | 65.0 | 38.0 | 65.0 | 52.0 | 63.0 | 20 | 20.00 | 1.49 | 18000 |
| | 25 | 7 | 1 | 1 | **392.55523-4025090** | M16 | 25.0 | 90.0 | 90.0 | | 65.0 | | 20 | 25.00 | 2.30 | 18000 |
| | 32 | 7 | 1 | 1 | **392.55523-4032100** | M16 | 32.0 | 100.0 | 100.0 | | 72.0 | | 20 | 45.00 | 2.80 | 18000 |
| | 40 | 7 | 1 | 1 | **392.55523-4040110** | M16 | 40.0 | 110.0 | 110.0 | | 90.0 | | 20 | 45.00 | 4.28 | 18000 |
| 50 | 25 | 7 | 1 | 2 | **392.55823-5025100** | M24 | 25.0 | 100.0 | 62.0 | 100.0 | 65.0 | 100.0 | 20 | 25.00 | 4.94 | 12000 |
| | 32 | 7 | 1 | 2 | **392.55823-5032105** | M24 | 32.0 | 105.0 | 67.0 | 105.0 | 72.0 | 100.0 | 20 | 45.00 | 5.26 | 12000 |
| | 40 | 7 | 1 | 2 | **392.55823-5040115** | M24 | 40.0 | 115.0 | 77.0 | 115.0 | 90.0 | 100.0 | 20 | 45.00 | 6.60 | 12000 |
| | 50 | 7 | 1 | 1 | **392.55823-5050130** | M24 | 50.0 | 130.0 | 100.0 | | 100.0 | | 20 | 60.00 | 7.81 | 12000 |

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M1



N23



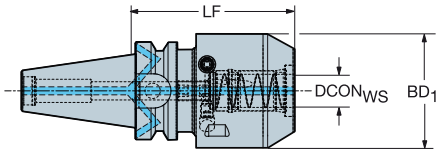
N15

# BIG-PLUS MAS-BT a CoroChuck™ 930

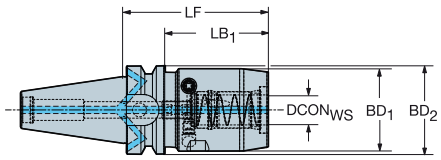
**Adaptador del lado de la máquina compatible con MAS-BT 403 y JIS B 6339**



DSGN 3




DSGN 6

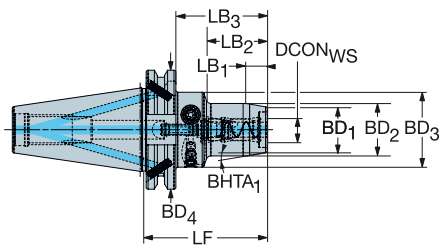



## Diseño de mecanizado pesado

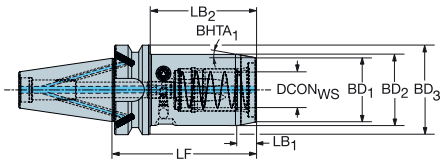
| CZC$_{MS}$ | CZC$_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | Dimensiones, mm CRKS | DCON$_{WS}$ | LSC | LF | LB$_1$ | LB$_2$ | LB$_3$ | BD$_1$ | BD$_2$ | BD$_3$ | BHTA$_1$ | BAR | NM | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | 20 | 7 | 1 | 6 | 930-BB40-HD-20-088 | M16 | 20.0 | 51 | 88.0 | 17.8 | 61.0 | 88.0 | 50.0 | 55.0 | 63.0 | 8° | 80 | 10.00 | 1.95 | 18000 |
| | 25 | 7 | 1 | 3 | 930-BB40-HD-25-094 | M16 | 25.0 | 57 | 94.0 | 18.8 | 94.0 | | 57.0 | 65.0 | | 12° | 80 | 10.00 | 2.40 | 18000 |
| 50 | 20 | 7 | 1 | 6 | 930-BB50-HD-20-102 | M24 | 20.0 | 51 | 102.0 | 17.8 | 64.0 | 102.0 | 50.0 | 55.0 | 100.0 | 8° | 80 | 10.00 | 4.75 | 12000 |
| | 25 | 7 | 1 | 6 | 930-BB50-HD-25-106 | M24 | 25.0 | 57 | 106.0 | 18.8 | 68.0 | 106.0 | 57.0 | 65.0 | 100.0 | 12° | 80 | 10.00 | 5.16 | 12000 |
| | 32 | 7 | 1 | 6 | 930-BB50-HD-32-096 | M24 | 32.0 | 61 | 96.0 | 18.8 | 58.0 | 96.0 | 68.0 | 76.0 | 100.0 | 12° | 80 | 10.00 | 5.25 | 12000 |

DSGN 10






DSGN 6




## Diseño delgado

| CZC$_{MS}$ | CZC$_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | Dimensiones, mm CRKS | DCON$_{WS}$ | LSC | LF | LB$_1$ | LB$_2$ | LB$_3$ | LB$_4$ | BD$_1$ | BD$_2$ | BD$_3$ | BD$_4$ | BHTA$_1$ | BAR | NM | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 6 | 1 | 1 | 6 | 930-BB30-S-06-048 | M12 | 6.0 | 37 | 48.0 | 9.3 | 12.8 | 48.0 | | 22.0 | 26.0 | 46.0 | | 12° | 80 | 8.00 | 0.56 | 25000 |
| | 8 | 1 | 1 | 6 | 930-BB30-S-08-048 | M12 | 8.0 | 37 | 48.0 | 9.3 | 12.8 | 48.0 | | 24.0 | 28.0 | 46.0 | | 12° | 80 | 8.00 | 0.57 | 25000 |
| | 10 | 1 | 1 | 6 | 930-BB30-S-10-048 | M12 | 10.0 | 41 | 48.0 | 9.3 | 13.8 | 48.0 | | 26.0 | 30.0 | 46.0 | | 12° | 80 | 8.00 | 0.56 | 25000 |
| | 12 | 1 | 1 | 10 | 930-BB30-S-12-082 | M12 | 12.0 | 46 | 82.0 | 11.3 | 38.2 | 60.0 | 82.0 | 28.0 | 32.0 | 40.0 | 46.0 | 10° | 80 | 8.00 | 0.76 | 25000 |
| | 20 | 1 | 1 | 6 | 930-BB30-S-20-088 | M12 | 20.0 | 51 | 88.0 | 16.0 | 66.0 | 88.0 | | 38.0 | 42.0 | 46.0 | | 7° | 80 | 8.00 | 0.94 | 25000 |
| 40 | 6 | 7 | 1 | 10 | 930-BB40-S-06-075 | M16 | 6.0 | 37 | 75.0 | 11.3 | 30.2 | 48.0 | 75.0 | 22.0 | 26.0 | 40.0 | 63.0 | 10° | 80 | 8.00 | 1.23 | 18000 |
| | 8 | 7 | 1 | 10 | 930-BB40-S-08-075 | M16 | 8.0 | 37 | 75.0 | 11.3 | 30.2 | 48.0 | 75.0 | 24.0 | 28.0 | 40.0 | 63.0 | 10° | 80 | 8.00 | 1.25 | 18000 |
| | 10 | 7 | 1 | 10 | 930-BB40-S-10-080 | M16 | 10.0 | 41 | 80.0 | 11.3 | 34.2 | 53.0 | 80.0 | 26.0 | 30.0 | 40.0 | 63.0 | 10° | 80 | 8.00 | 1.29 | 18000 |
| | 12 | 7 | 1 | 10 | 930-BB40-S-12-085 | M16 | 12.0 | 46 | 85.0 | 11.3 | 40.0 | 58.0 | 85.0 | 26.0 | 32.0 | 50.0 | 63.0 | 10° | 80 | 8.00 | 1.40 | 18000 |
| | 20 | 7 | 1 | 10 | 930-BB40-S-20-094 | M16 | 20.0 | 51 | 94.0 | 16.0 | 49.2 | 67.0 | 94.0 | 37.9 | 42.0 | 50.0 | 63.0 | 7° | 80 | 8.00 | 1.62 | 18000 |
| | 25 | 7 | 1 | 6 | 930-BB40-S-25-102 | M16 | 25.0 | 57 | 102.0 | 12.9 | 74.0 | 102.0 | | 45.0 | 50.0 | 63.0 | | 11° | 80 | 10.00 | 1.87 | 18000 |
| 50 | 20 | 7 | 1 | 10 | 930-BB50-S-20-108 | M24 | 20.0 | 51 | 108.0 | 16.0 | 49.2 | 70.0 | 108.0 | 37.9 | 42.0 | 50.0 | 100.0 | 7° | 80 | 8.00 | 4.41 | 12000 |
| | 25 | 7 | 1 | 6 | 930-BB50-S-25-114 | M24 | 25.0 | 57 | 114.0 | 12.9 | 73.5 | 114.0 | | 45.0 | 50.0 | 100.0 | | 11° | 80 | 10.00 | 4.62 | 12000 |

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M1 N23 N15 N4

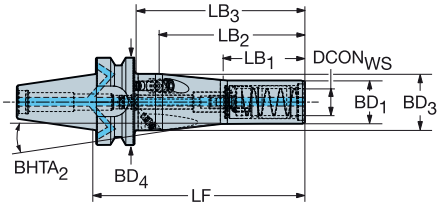
SPA

# BIG-PLUS MAS-BT a CoroChuck™ 930

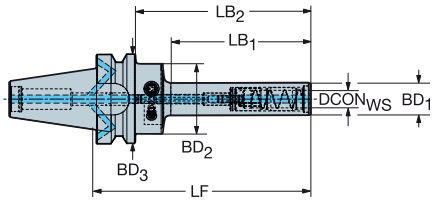
**Adaptador del lado de la máquina compatible con MAS-BT 403 y JIS B 6339**

DSGN 11






DSGN 5

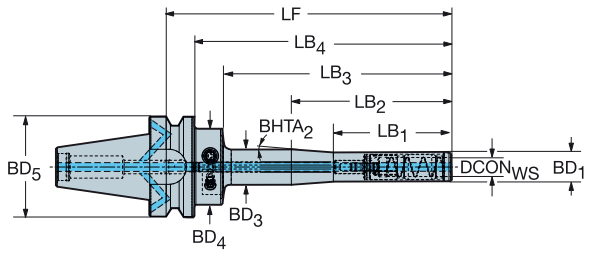



**Diseño tipo lápiz**

| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_2$ | $BD_3$ | $BD_4$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| 30 | 6 | 1 | 1 | 5 | **930-BB30-P-06-088** | M12 | 6.0 | 37 | 88.0 | 50.0 | 66.0 | 88.0 | | 14.5 | 40.0 | 46.0 | | 0° | 80 | 8.00 | 0.62 | 25000 |
| | 8 | 1 | 1 | 5 | **930-BB30-P-08-088** | M12 | 8.0 | 37 | 88.0 | 45.8 | 66.0 | 88.0 | | 17.5 | 40.0 | 46.0 | | 0° | 80 | 8.00 | 0.60 | 25000 |
| | 10 | 1 | 1 | 5 | **930-BB30-P-10-098** | M12 | 10.0 | 41 | 98.0 | 55.8 | 76.0 | 98.0 | | 20.0 | 40.0 | 46.0 | | 0° | 80 | 8.00 | 0.64 | 25000 |
| | 10 | 1 | 1 | 5 | **930-BB30-P-10-138** | M12 | 10.0 | 41 | 138.0 | 95.8 | 116.0 | 138.0 | | 20.0 | 40.0 | 46.0 | | 0° | 80 | 8.00 | 0.74 | 25000 |
| | 12 | 1 | 1 | 5 | **930-BB30-P-12-103** | M12 | 12.0 | 46 | 103.0 | 65.0 | 81.0 | 103.0 | | 22.0 | 40.0 | 46.0 | | 0° | 80 | 8.00 | 0.71 | 25000 |
| | 12 | 1 | 1 | 5 | **930-BB30-P-12-138** | M12 | 12.0 | 46 | 138.0 | 100.0 | 116.0 | 138.0 | | 22.0 | 40.0 | 46.0 | | 0° | 80 | 8.00 | 0.80 | 25000 |
| 40 | 8 | 7 | 1 | 5 | **930-BB40-P-08-095** | M16 | 8.0 | 37 | 95.0 | 45.8 | 65.5 | 95.0 | | 17.5 | 40.0 | 63.0 | | 0° | 80 | 8.00 | 1.21 | 18000 |
| | 10 | 7 | 1 | 5 | **930-BB40-P-10-105** | M16 | 10.0 | 41 | 105.0 | 55.8 | 75.5 | 105.0 | | 20.0 | 40.0 | 63.0 | | 0° | 80 | 8.00 | 1.25 | 18000 |
| | 10 | 7 | 1 | 5 | **930-BB40-P-10-145** | M16 | 10.0 | 41 | 145.0 | 95.8 | 115.5 | 145.0 | | 20.0 | 40.0 | 63.0 | | 0° | 80 | 8.00 | 1.35 | 18000 |
| | 12 | 7 | 1 | 5 | **930-BB40-P-12-110** | M16 | 12.0 | 46 | 110.0 | 65.0 | 83.0 | 110.0 | | 22.0 | 40.0 | 63.0 | | 0° | 80 | 8.00 | 1.33 | 18000 |
| | 12 | 7 | 1 | 5 | **930-BB40-P-12-145** | M16 | 12.0 | 46 | 145.0 | 100.0 | 118.0 | 145.0 | | 22.0 | 40.0 | 63.0 | | 0° | 80 | 8.00 | 1.47 | 18000 |
| | 20 | 7 | 1 | 11 | **930-BB40-P-20-153** | M16 | 20.0 | 51 | 153.0 | 60.0 | 108.0 | 126.0 | 153.0 | 32.0 | 32.0 | 42.0 | 63.0 | 5° | 80 | 8.00 | 1.85 | 18000 |

DSGN 17






| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_3$ | $BD_4$ | $BD_5$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| 30 | 12 | 1 | 1 | 17 | **930-BB30-P-12-188** | M12 | 12.0 | 46 | 188.0 | 50.0 | 75.0 | 150.0 | 166.0 | 22.0 | 26.0 | 40.0 | 46 | 4° | 80 | 8.00 | 1.08 | 25000 |
| 40 | 12 | 7 | 1 | 17 | **930-BB40-P-12-195** | M16 | 12.0 | 46 | 195.0 | 50.0 | 75.0 | 150.0 | 168.0 | 22.0 | 26.0 | 40.0 | 63 | 4° | 80 | 8.00 | 1.68 | 18000 |

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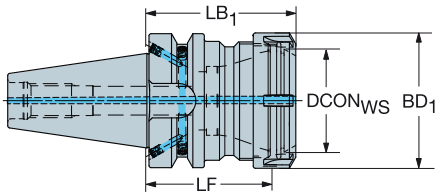
M1 N23 N15 N4

# BIG-PLUS MAS-BT a portapinzas ER

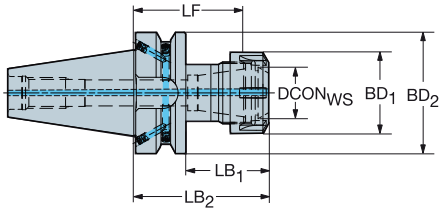
**Adaptador del lado de la máquina compatible con MAS-BT 403 y JIS B 6339**



DSGN 1




2




**Adaptador del lado de la pieza DIN 6499-B**

| | | | | | | Dimensiones, mm | | | | | | | BAR | KG | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | | | RPMX |
| 30 | ER11 | 1 | 1 | 2 | **392.55514-3011050** | M12 | 11.4 | 43.4 | 28.0 | 50.0 | 18.7 | 46.0 | 80 | 0.45 | 25000 |
| | ER16 | 1 | 1 | 2 | **392.55514-3016050** | M12 | 17.0 | 39.4 | 28.0 | 50.0 | 28.0 | 46.0 | 80 | 0.47 | 25000 |
| | ER20 | 1 | 1 | 2 | **392.55514-3020052** | M12 | 21.0 | 40.5 | 30.0 | 52.0 | 33.7 | 46.0 | 80 | 0.49 | 25000 |
| | ER25 | 1 | 1 | 2 | **392.55514-3025060** | M12 | 26.0 | 48.0 | 38.0 | 60.0 | 42.0 | 46.0 | 80 | 0.60 | 25000 |
| | ER32 | 1 | 1 | 1 | **392.55514-3032060** | M12 | 33.0 | 47.0 | 60.0 | | 50.0 | | 80 | 0.64 | 25000 |
| 40 | ER25 | 7 | 1 | 2 | **392.55514-4025070** | M16 | 26.0 | 58.0 | 43.0 | 70.0 | 42.0 | 63.0 | 80 | 1.24 | 18000 |
| | ER40 | 7 | 1 | 1 | **392.55514-4040070** | M16 | 41.0 | 55.0 | 70.0 | | 63.0 | | 80 | 1.39 | 18000 |

SISTEMA BIG-PLUS® con licencia de BIG Daishowa

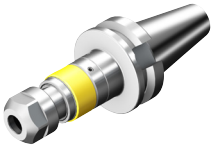
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

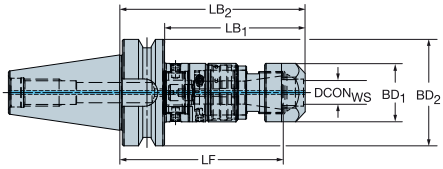
M1 N23 N15

# BIG-PLUS MAS-BT a CoroChuck™ 970

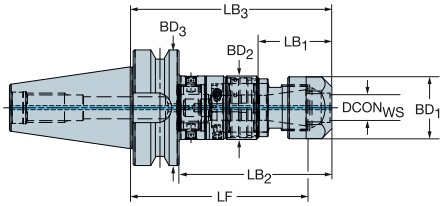
**Adaptador del lado de la pieza DIN 6499-B**

DSGN 2






5



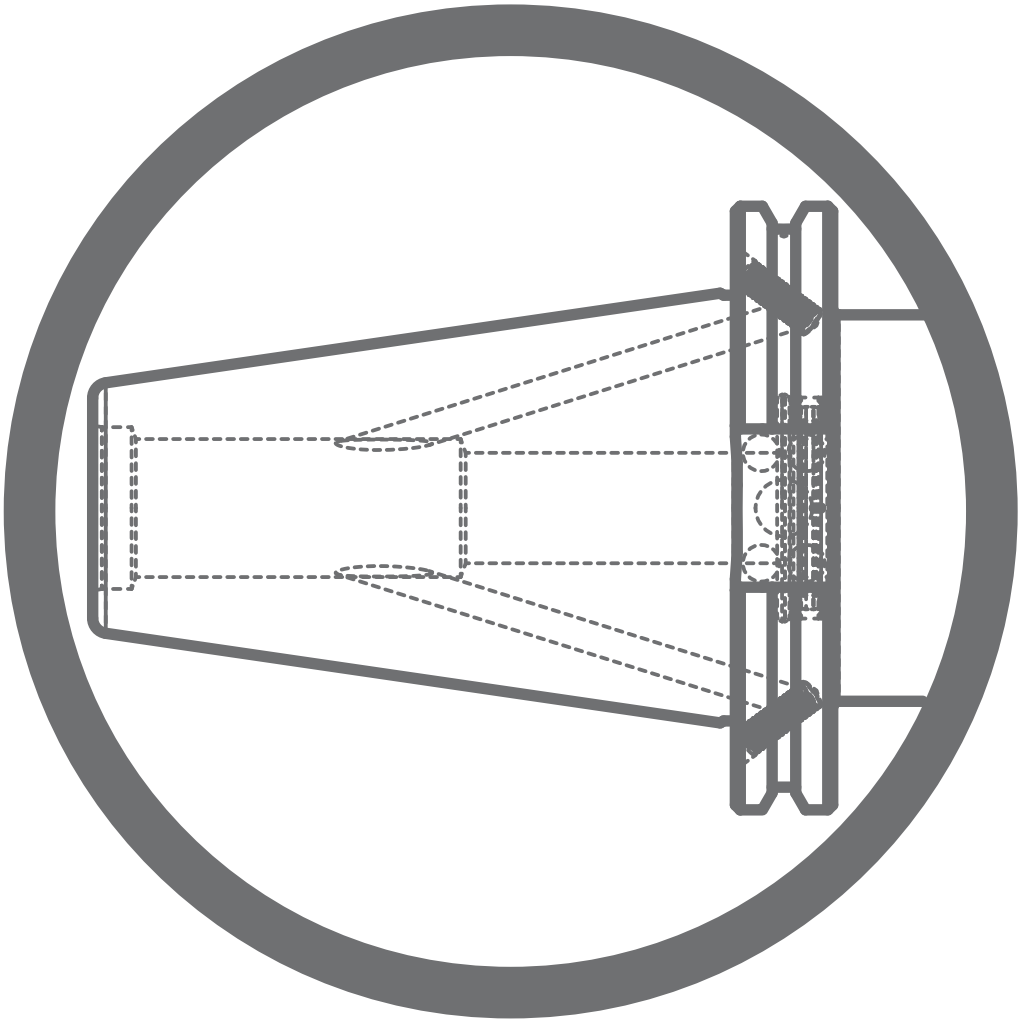

| | | | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | TRMAX | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | BAR | KG | RPMX |
| 30 | ER11 | M5 | 1 | 1 | 5 | **970-BB30-11-082** | M12 | 11.3 | 78.2 | 24.1 | 60.0 | 82.0 | 18.7 | 23.5 | 46.0 | 80 | 0.52 | 8000 |
| | ER20 | M12 | 1 | 1 | 5 | **970-BB30-20-105** | M12 | 20.8 | 92.2 | 40.3 | 83.1 | 105.2 | 33.7 | 35.0 | 46.0 | 80 | 0.84 | 8000 |
| | ER25 | M20 | 1 | 1 | 5 | **970-BB30-25-125** | M12 | 25.8 | 111.1 | 42.1 | 102.6 | 124.6 | 42.0 | 44.0 | 46.0 | 80 | 1.20 | 8000 |
| 40 | ER20 | M12 | 7 | 1 | 5 | **970-BB40-20-110** | M16 | 20.8 | 97.2 | 40.3 | 83.1 | 110.2 | 33.7 | 35.0 | 63.0 | 80 | 1.43 | 8000 |
| | ER25 | M20 | 7 | 1 | 5 | **970-BB40-25-130** | M16 | 25.8 | 116.1 | 42.1 | 102.6 | 129.6 | 42.0 | 44.0 | 63.0 | 80 | 1.79 | 8000 |
| 50 | ER20 | M12 | 7 | 1 | 5 | **970-BB50-20-125** | M24 | 20.8 | 112.2 | 40.3 | 87.1 | 125.2 | 33.7 | 35.0 | 100.0 | 80 | 4.11 | 8000 |
| | ER25 | M20 | 7 | 1 | 5 | **970-BB50-25-145** | M24 | 25.8 | 131.1 | 42.1 | 106.6 | 144.6 | 42.0 | 44.0 | 100.0 | 80 | 4.50 | 8000 |
| | ER40 | M30 | 7 | 1 | 2 | **970-BB50-40-174** | M24 | 40.8 | 157.2 | 136.0 | 174.0 | | 63.0 | 100.0 | | 80 | 5.66 | 8000 |

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Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15 N5

# Adaptador de máquina ISO 7388-1



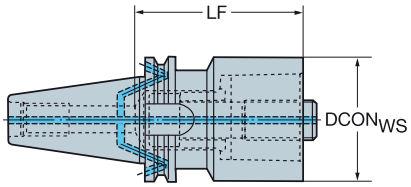
SPA

# ISO 7388-1 a adaptador Coromant Capto®

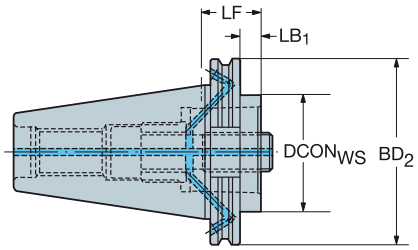
**Adaptador del lado de la máquina compatible con DIN 69871-ADB**



DSGN 1




2

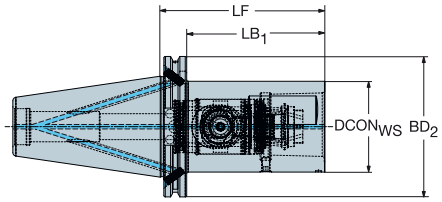



| | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_2$ | BAR | NM | KG |
| 40 | C3 | 7 | 1 | 2 | C3-390B.140-40 030 | M16 | 32.0 | 30.0 | 10.9 | 30.0 | 63.5 | 80 | 45.00 | 0.87 |
| | C3 | 7 | 1 | 2 | C3-390B.140-40 060 | M16 | 32.0 | 60.0 | 40.9 | 60.0 | 63.5 | 80 | 45.00 | 1.02 |
| | C4 | 7 | 1 | 2 | C4-390B.140-40 030 | M16 | 40.0 | 30.0 | 10.9 | 30.0 | 63.5 | 80 | 55.00 | 0.86 |
| | C4 | 7 | 1 | 2 | C4-390B.140-40 060 | M16 | 40.0 | 60.0 | 40.9 | 60.0 | 63.5 | 80 | 55.00 | 1.12 |
| | C5 | 7 | 1 | 2 | C5-390B.140-40 040 | M16 | 50.0 | 40.0 | 20.9 | 40.0 | 63.5 | 80 | 95.00 | 0.96 |
| | C5 | 7 | 1 | 2 | C5-390B.140-40 080 | M16 | 50.0 | 80.0 | 60.9 | 80.0 | 63.5 | 80 | 95.00 | 1.52 |
| | C6 | 7 | 1 | 2 | C6-390B.140-40 085 | M16 | 63.0 | 85.0 | 65.9 | 85.0 | 63.5 | 80 | 170.00 | 1.84 |
| 50 | C3 | 7 | 1 | 2 | C3-390B.140-50 030 | M24 | 32.0 | 30.0 | 10.9 | 30.0 | 97.5 | 80 | 45.00 | 2.73 |
| | C3 | 7 | 1 | 2 | C3-390B.140-50 060 | M24 | 32.0 | 60.0 | 40.9 | 60.0 | 97.5 | 80 | 45.00 | 2.86 |
| | C4 | 7 | 1 | 2 | C4-390B.140-50 030 | M24 | 40.0 | 30.0 | 10.9 | 30.0 | 97.5 | 80 | 55.00 | 2.74 |
| | C4 | 7 | 1 | 2 | C4-390B.140-50 060 | M24 | 40.0 | 60.0 | 40.9 | 60.0 | 97.5 | 80 | 55.00 | 2.96 |
| | C5 | 7 | 1 | 2 | C5-390B.140-50 030 | M24 | 50.0 | 30.0 | 10.9 | 30.0 | 97.5 | 80 | 95.00 | 2.70 |
| | C5 | 7 | 1 | 2 | C5-390B.140-50 070 | M24 | 50.0 | 70.0 | 50.9 | 70.0 | 97.5 | 80 | 95.00 | 3.21 |
| | C6 | 7 | 1 | 2 | C6-390B.140-50 030 | M24 | 63.0 | 30.0 | 10.9 | 30.0 | 97.5 | 80 | 170.00 | 2.62 |
| | C6 | 7 | 1 | 2 | C6-390B.140-50 080 | M24 | 63.0 | 80.0 | 60.9 | 80.0 | 97.5 | 80 | 170.00 | 3.71 |
| | C8 | 7 | 1 | 2 | C8-390B.140-50 070 | M24 | 80.0 | 70.0 | 50.9 | 70.0 | 97.5 | 80 | 170.00 | 3.83 |
| | C8 | 7 | 1 | 2 | C8-390B.140-50 120 | M24 | 80.0 | 120.0 | 100.9 | 120.0 | 97.5 | 80 | 170.00 | 5.69 |
| | C10 | 7 | 1 | 1 | C10-390B.140-50 140 | M24 | 100.0 | 140.0 | 140.0 | | | 80 | 380.00 | 7.66 |
| 60 | C8 | 1 | 1 | 2 | C8-390.140-60 120 | M30 | 80.0 | 120.0 | 100.9 | 120.0 | 155.0 | 80 | 170.00 | 12.57 |
| | C10 | 1 | 1 | 2 | C10-390.140-60 050 | M30 | 100.0 | 50.0 | 30.9 | 50.0 | 155.0 | 80 | 380.00 | 9.35 |

# ISO 7388-1 a adaptador Coromant Capto® con cambio rápido

**Adaptador del lado de la máquina compatible con DIN 69871-ADB**






| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $BD_2$ | BAR | NM | KG |
| 50 | C5 | 7 | 1 | I50-QC-C5-095 | M24 | 50.0 | 95.0 | 75.0 | 97.4 | 80 | 70.00 | 3.54 |
| | C6 | 7 | 1 | I50-QC-C6-115 | M24 | 63.0 | 115.0 | 95.0 | 97.4 | 80 | 90.00 | 4.43 |
| | C8 | 7 | 1 | I50-QC-C8-135 | M24 | 80.0 | 135.0 | 115.0 | 97.4 | 80 | 130.00 | 6.06 |

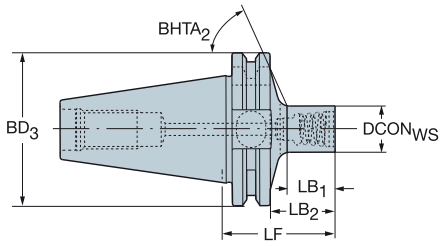
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

# ISO 7388-1 a Coromant EH, adaptador

**Adaptador del lado de la máquina compatible con DIN 69871-AD**

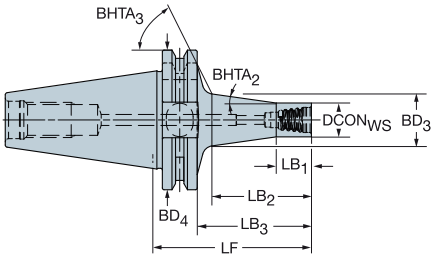





## Diseño corto

| | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_3$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| 40 | E10 | 1 | 1 | **392.140EH-40 10 041** | M16 | 9.6 | 41.0 | 12.7 | 21.9 | 63.5 | 65° | 80 | 12.00 | 0.96 | 18000 |
| | E12 | 1 | 1 | **392.140EH-40 12 044** | M16 | 11.6 | 44.0 | 16.0 | 24.9 | 63.5 | 65° | 80 | 15.00 | 0.97 | 18000 |
| | E16 | 1 | 1 | **392.140EH-40 16 049** | M16 | 15.4 | 49.0 | 21.5 | 29.9 | 63.5 | 65° | 80 | 30.00 | 1.03 | 18000 |
| | E20 | 1 | 1 | **392.140EH-40 20 046** | M16 | 19.2 | 46.0 | 19.0 | 27.0 | 63.5 | 63° | 80 | 50.00 | 1.05 | 18000 |
| | E25 | 1 | 1 | **392.140EH-40 25 051** | M16 | 24.1 | 51.0 | 24.6 | 31.9 | 63.5 | 61° | 80 | 65.00 | 1.09 | 18000 |






## Diseño largo

| | | | | | Dimensiones, mm | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_3$ | $BD_4$ | $BHTA_2$ | $BHTA_3$ | BAR | NM | KG | RPMX |
| 40 | E10 | 1 | 1 | **392.140EH-40 10 055** | M16 | 9.6 | 55.0 | 10.0 | 28.1 | 35.9 | 14.7 | 63.5 | 8° | 65° | 80 | 12.00 | 0.97 | 18000 |
| | E12 | 1 | 1 | **392.140EH-40 12 060** | M16 | 11.6 | 60.0 | 12.0 | 33.5 | 40.9 | 17.6 | 63.5 | 8° | 65° | 80 | 15.00 | 1.00 | 18000 |
| | E16 | 1 | 1 | **392.140EH-40 16 071** | M16 | 15.4 | 71.0 | 16.0 | 45.3 | 51.9 | 23.6 | 63.5 | 8° | 63° | 80 | 30.00 | 1.09 | 18000 |
| | E20 | 1 | 1 | **392.140EH-40 20 084** | M16 | 19.2 | 84.0 | 20.0 | 59.1 | 64.9 | 30.2 | 63.5 | 8° | 61° | 80 | 50.00 | 1.19 | 18000 |
| | E25 | 1 | 1 | **392.140EH-40 25 100** | M16 | 24.1 | 100.0 | 25.0 | 76.2 | 80.9 | 38.5 | 63.5 | 8° | 51° | 80 | 65.00 | 1.40 | 18000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15 N3

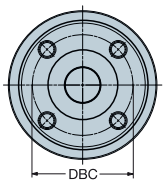
SPA

# ISO 7388-1 a eje, adaptador

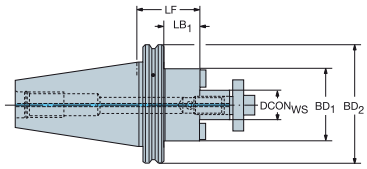
**Adaptador del lado de la máquina compatible con DIN 69871-ADB**



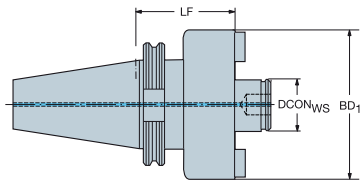
DSGN




2




1




| | | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | DBC | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| 40 | 16 | 7 | 1 | 2 | A1B05-40 16 035 | | M16 | 16.0 | 35.0 | 15.9 | 35.0 | 36.0 | 63.5 | 80 | 22.00 | 1.04 | 18000 |
| | 16 | 7 | 1 | 2 | A1B05-40 16 100 | | M16 | 16.0 | 100.0 | 78.9 | 100.0 | 36.0 | 63.5 | 80 | 22.00 | 1.47 | 18000 |
| | 22 | 7 | 1 | 2 | A1B05-40 22 035 | | M16 | 22.0 | 35.0 | 13.9 | 35.0 | 48.0 | 63.5 | 80 | 45.00 | 1.15 | 18000 |
| | 22 | 7 | 1 | 2 | A1B05-40 22 100 | | M16 | 22.0 | 100.0 | 78.9 | 100.0 | 48.0 | 63.5 | 80 | 45.00 | 2.02 | 18000 |
| | 27 | 7 | 1 | 2 | A1B05-40 27 035 | | M16 | 27.0 | 35.0 | 15.0 | 35.0 | 48.0 | 63.5 | 80 | 80.00 | 1.08 | 18000 |
| | 27 | 7 | 1 | 2 | A1B05-40 27 100 | | M16 | 27.0 | 100.0 | 80.9 | 100.0 | 60.0 | 63.5 | 80 | 80.00 | 2.59 | 18000 |
| | 32 | 7 | 1 | 1 | A1B05-40 32 050 | | M16 | 32.0 | 50.0 | 50.0 | | 78.0 | | 80 | 180.00 | 1.82 | 18000 |
| 50 | 22 | 7 | 1 | 2 | A1B05-50 22 035 | | M24 | 22.0 | 35.0 | 15.9 | 35.0 | 48.0 | 97.5 | 80 | 45.00 | 3.00 | 12000 |
| | 22 | 7 | 1 | 2 | A1B05-50 22 100 | | M24 | 22.0 | 100.0 | 77.9 | 100.0 | 48.0 | 97.5 | 80 | 45.00 | 4.03 | 12000 |
| | 27 | 7 | 1 | 2 | A1B05-50 27 035 | | M24 | 27.0 | 35.0 | 12.9 | 35.0 | 60.0 | 97.5 | 80 | 80.00 | 3.26 | 12000 |
| | 27 | 7 | 1 | 2 | A1B05-50 27 100 | | M24 | 27.0 | 100.0 | 77.9 | 100.0 | 60.0 | 97.5 | 80 | 80.00 | 4.68 | 12000 |
| | 32 | 7 | 1 | 2 | A1B05-50 32 035 | | M24 | 32.0 | 35.0 | 12.9 | 35.0 | 78.0 | 97.5 | 80 | 180.00 | 3.54 | 12000 |
| | 32 | 7 | 1 | 2 | A1B05-50 32 100 | | M24 | 32.0 | 100.0 | 77.9 | 100.0 | 78.0 | 97.5 | 80 | 180.00 | 5.78 | 12000 |
| | 40S | 7 | 1 | 2 | A1B05-50 40 050 | 66.7 | M24 | 40.0 | 50.0 | 30.9 | 50.0 | 89.0 | 97.5 | 80 | 300.00 | 4.48 | 12000 |
| | 60 | 7 | 1 | 1 | A1F05-50 60 070 | 101.6 | M24 | 60.0 | 70.0 | 70.0 | | 127.0 | | 80 | 180.00 | 7.76 | |

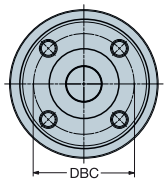
Todos los portaherramientas se entregan con un tornillo estándar sin agujero para refrigerante.
Para fresas con canales para refrigerante, es necesario un nuevo tornillo con agujeros radiales que puede solicitarse por separado.
Consulte la página M13

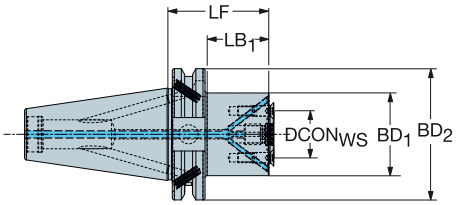
# ISO 7388-1 a eje, con adaptador de tornillos de transmisión

**Adaptador del lado de la máquina compatible con DIN 69871-ADB**

**Para CoroMill® QD con suministro de refrigerante interior**






| | | | | | Dimensiones, mm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | DBC | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $BD_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| 40 | X10 | 7 | 3 | I40-X10-032-045 | 22.0 | M16 | 10.0 | 2 | 45.0 | 24.5 | 32.0 | 63.5 | 80 | 6.40 | 1.00 | 12000 |
| | X22 | 7 | 3 | I40-X22-040-050 | 32.0 | M16 | 22.0 | 2 | 50.0 | 29.5 | 40.0 | 63.5 | 80 | 3.90 | 1.14 | 11000 |
| | X32 | 7 | 3 | I40-X32-063-070 | 45.0 | M16 | 32.0 | 2 | 70.0 | 50.5 | 63.0 | 63.5 | 80 | 6.40 | 1.89 | 10000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es



M1




N23



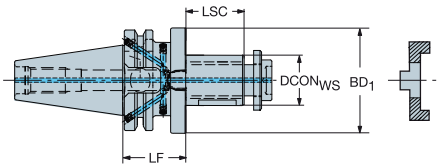

N15

# ISO 7388-1 a adaptador de eje de fresado lateral y planeado

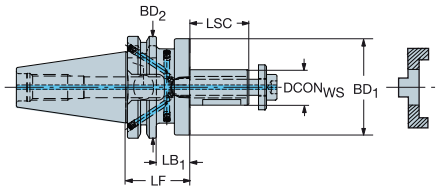
**Adaptador del lado de la máquina compatible con DIN 69871-ADB**



DSGN 1




2



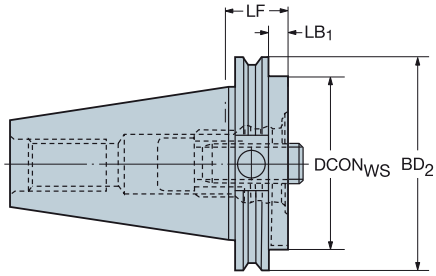

| | | | | | | Dimensiones, mm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | NM | KG |
| 40 | 22 | 7 | 1 | 2 | **A1B08-40 22 055** | M16 | 22.0 | 31 | 43.0 | 19.9 | 43.0 | 40.0 | 63.5 | 80 | 45.00 | 1.26 |
| | 27 | 7 | 1 | 2 | **A1B08-40 27 055** | M16 | 27.0 | 33 | 43.0 | 22.9 | 43.0 | 48.0 | 63.5 | 80 | 80.00 | 1.45 |
| | 32 | 7 | 1 | 2 | **A1B08-40 32 060** | M16 | 32.0 | 37 | 46.0 | 26.9 | 46.0 | 58.0 | 63.5 | 80 | 180.00 | 1.76 |
| | 40 | 7 | 1 | 1 | **A1B08-40 40 060** | M16 | 40.0 | 41 | 46.0 | 60.0 | | 70.0 | | 80 | 300.00 | 2.38 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

# ISO 7388-1 a VL, adaptador

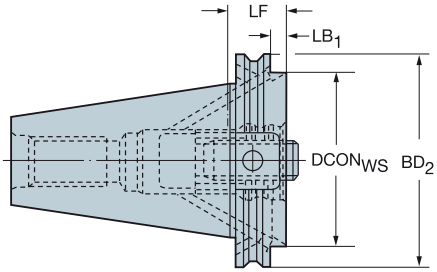





**Adaptador del lado de la máquina compatible con DIN 69871-AD**

| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $BD_2$ | BAR | NM | KG |
| 50 | 80 | 1 | 1 | **390.140-50 80 027** | M24 | 80.0 | 27.0 | 7.9 | 97.5 | 20 | 180.00 | 2.88 |






**Adaptador del lado de la máquina compatible con DIN 69871-B**

| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $BD_2$ | BAR | NM | KG |
| 50 | 80 | 6 | 1 | **390.272-50 80 027** | M24 | 80.0 | 27.0 | 7.9 | 97.5 | 20 | 180.00 | 2.86 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

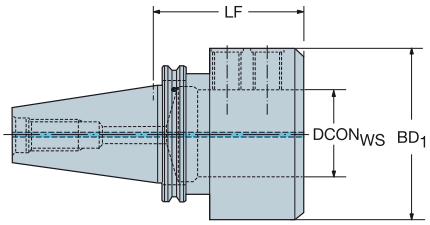
# ISO 7388-1 a Weldon, adaptador

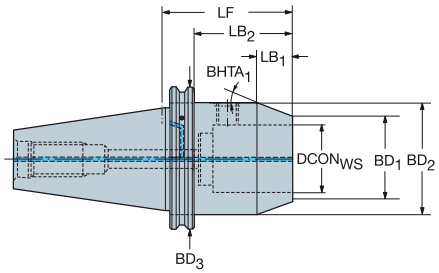
**Adaptador del lado de la máquina compatible con DIN 69871-ADB**

**Adaptador del lado de la pieza DIN 6535-HB y DIN 1835-B**

DSGN 3 6






| | | | | | | Dimensiones, mm | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | $BHTA_1$ | BAR | NM | KG |
| 40 | 6 | 7 | 1 | 6 | **A1B20-40 06 050** | M16 | 6.0 | 50.0 | 11.0 | 28.9 | 50.0 | 12.3 | 25.0 | 63.5 | 30° | 20 | 3.00 | 0.91 |
| | 6 | 7 | 1 | 6 | **A1B20-40 06 100** | M16 | 6.0 | 100.0 | 11.0 | 78.9 | 100.0 | 12.3 | 25.0 | 63.5 | 30° | 20 | 3.00 | 1.06 |
| | 8 | 7 | 1 | 6 | **A1B20-40 08 050** | M16 | 8.0 | 50.0 | 11.0 | 28.9 | 50.0 | 15.3 | 28.0 | 63.5 | 30° | 20 | 7.00 | 0.82 |
| | 8 | 7 | 1 | 6 | **A1B20-40 08 100** | M16 | 8.0 | 100.0 | 11.0 | 78.9 | 100.0 | 15.3 | 28.0 | 63.5 | 30° | 20 | 7.00 | 1.14 |
| | 10 | 7 | 1 | 6 | **A1B20-40 10 050** | M16 | 10.0 | 50.0 | 13.0 | 28.9 | 50.0 | 20.0 | 35.0 | 63.5 | 30° | 20 | 10.00 | 0.92 |
| | 10 | 7 | 1 | 6 | **A1B20-40 10 100** | M16 | 10.0 | 100.0 | 13.0 | 78.9 | 100.0 | 20.0 | 35.0 | 63.5 | 30° | 20 | 10.00 | 1.34 |
| | 12 | 7 | 1 | 6 | **A1B20-40 12 050** | M16 | 12.0 | 50.0 | 13.0 | 28.9 | 50.0 | 27.0 | 42.0 | 63.5 | 30° | 20 | 12.00 | 1.07 |
| | 12 | 7 | 1 | 6 | **A1B20-40 12 100** | M16 | 12.0 | 100.0 | 13.0 | 78.9 | 100.0 | 27.0 | 42.0 | 63.5 | 30° | 20 | 12.00 | 1.57 |
| | 16 | 7 | 1 | 6 | **A1B20-40 16 063** | M16 | 16.0 | 63.0 | 13.0 | 41.9 | 63.0 | 33.0 | 48.0 | 63.5 | 30° | 20 | 15.00 | 1.30 |
| | 16 | 7 | 1 | 6 | **A1B20-40 16 100** | M16 | 16.0 | 100.0 | 13.0 | 78.9 | 100.0 | 33.0 | 48.0 | 63.5 | 30° | 20 | 15.00 | 1.79 |
| | 20 | 7 | 1 | 6 | **A1B20-40 20 063** | M16 | 20.0 | 63.0 | 13.0 | 41.9 | 63.0 | 37.0 | 52.0 | 63.5 | 30° | 20 | 20.00 | 1.26 |
| | 20 | 7 | 1 | 6 | **A1B20-40 20 100** | M16 | 20.0 | 100.0 | 13.0 | 78.9 | 100.0 | 37.0 | 52.0 | 63.5 | 30° | 20 | 20.00 | 1.89 |
| | 25 | 7 | 1 | 3 | **A1B20-40 25 100** | M16 | 25.0 | 100.0 | 13.0 | 100.0 | | 50.0 | 65.0 | | 30° | 20 | 25.00 | 2.24 |
| | 32 | 7 | 1 | 3 | **A1B20-40 32 100** | M16 | 32.0 | 100.0 | 12.0 | 100.0 | | 58.1 | 72.0 | | 30° | 20 | 45.00 | 2.54 |
| 50 | 12 | 7 | 1 | 6 | **A1B20-50 12 063** | M24 | 12.0 | 63.0 | 13.0 | 40.9 | 63.0 | 27.0 | 42.0 | 97.4 | 30° | 20 | 12.00 | 3.00 |
| | 16 | 7 | 1 | 6 | **A1B20-50 16 063** | M24 | 16.0 | 63.0 | 13.0 | 40.9 | 63.0 | 33.0 | 48.0 | 97.4 | 30° | 20 | 15.00 | 3.20 |
| | 20 | 7 | 1 | 6 | **A1B20-50 20 063** | M24 | 20.0 | 63.0 | 13.0 | 40.9 | 63.0 | 37.0 | 52.0 | 97.4 | 30° | 20 | 20.00 | 3.26 |
| | 20 | 7 | 1 | 6 | **A1B20-50 20 100** | M24 | 20.0 | 100.0 | 13.0 | 77.9 | 100.0 | 37.0 | 52.0 | 97.4 | 30° | 20 | 20.00 | 3.87 |
| | 25 | 7 | 1 | 6 | **A1B20-50 25 080** | M24 | 25.0 | 80.0 | 13.0 | 57.9 | 80.0 | 50.0 | 65.0 | 97.4 | 30° | 20 | 25.00 | 3.92 |
| | 25 | 7 | 1 | 6 | **A1B20-50 25 100** | M24 | 25.0 | 100.0 | 13.0 | 77.9 | 100.0 | 50.0 | 65.0 | 97.4 | 30° | 20 | 25.00 | 4.45 |
| | 32 | 7 | 1 | 6 | **A1B20-50 32 100** | M24 | 32.0 | 100.0 | 12.0 | 77.9 | 100.0 | 58.1 | 72.0 | 97.4 | 30° | 20 | 45.00 | 4.60 |
| | 32 | 7 | 1 | 6 | **A1B20-50 32 160** | M24 | 32.0 | 160.0 | 12.0 | 137.9 | 160.0 | 58.1 | 72.0 | 97.4 | 30° | 20 | 45.00 | 6.60 |
| | 40 | 7 | 1 | 6 | **A1B20-50 40 120** | M24 | 40.0 | 120.0 | 15.0 | 97.9 | 120.0 | 60.7 | 78.0 | 97.4 | 30° | 20 | 45.00 | 5.50 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

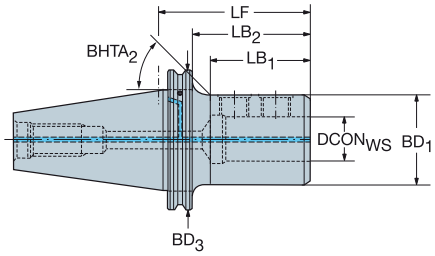
M1 N23 N15

SPA

# ISO 7388-1 a ISO 9766, adaptador

**Adaptador del lado de la máquina compatible con DIN 69871-ADB**






| | | | | | Dimensiones, mm | | | | | | | BAR | NM | KG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $BD_1$ | $BD_2$ | | | |
| 40 | 16 | 7 | 1 | **A1B27-40 16 080** | M16 | 16.0 | 49 | 80.0 | 55.9 | 36.0 | 63.5 | 20 | 10.00 | 1.21 |
| | 20 | 7 | 1 | **A1B27-40 20 080** | M16 | 20.0 | 51 | 80.0 | 55.9 | 40.0 | 63.5 | 20 | 12.00 | 1.27 |
| | 25 | 7 | 1 | **A1B27-40 25 085** | M16 | 25.0 | 57 | 85.0 | 64.9 | 45.0 | 63.5 | 20 | 20.00 | 1.38 |
| | 32 | 7 | 1 | **A1B27-40 32 090** | M16 | 32.0 | 61 | 90.0 | 69.9 | 52.0 | 63.5 | 20 | 30.00 | 1.50 |
| 50 | 16 | 7 | 1 | **A1B27-50 16 080** | M24 | 16.0 | 49 | 80.0 | 59.9 | 36.0 | 97.5 | 20 | 10.00 | 3.16 |
| | 20 | 7 | 1 | **A1B27-50 20 080** | M24 | 20.0 | 51 | 80.0 | 59.9 | 40.0 | 97.5 | 20 | 12.00 | 3.20 |
| | 25 | 7 | 1 | **A1B27-50 25 085** | M24 | 25.0 | 57 | 85.0 | 64.9 | 45.0 | 97.5 | 20 | 20.00 | 3.36 |
| | 32 | 7 | 1 | **A1B27-50 32 090** | M24 | 32.0 | 61 | 90.0 | 69.9 | 52.0 | 97.5 | 20 | 30.00 | 3.52 |
| | 40 | 7 | 1 | **A1B27-50 40 090** | M24 | 40.0 | 71 | 90.0 | 69.9 | 75.0 | 97.5 | 20 | 40.00 | 4.40 |
| | 50 | 7 | 1 | **A1B27-50 50 100** | M24 | 50.0 | 81 | 100.0 | 79.9 | 75.0 | 97.5 | 20 | 45.00 | 4.22 |

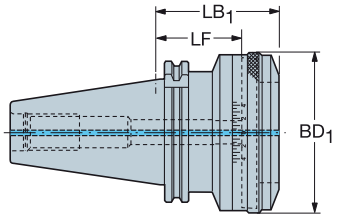
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

# ISO 7388-1 a ISO 9766, adaptador ajustable

**Adaptador del lado de la máquina compatible con DIN 69871-AD**






| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | Dimensiones, mm CRKS | $DCON_{WS}$ | LF | $LB_1$ | $BD_1$ | BAR | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | 1 | 1 | 1 | **392.140277-40 01 055A** | M16 | 78.0 | 55.0 | 79.6 | 86.0 | 20 | 2.26 | 12000 |
| 50 | 2 | 1 | 1 | **392.140277-50 02 055A** | M24 | 98.0 | 55.0 | 79.6 | 106.0 | 20 | 5.16 | 9000 |
| | 3 | 1 | 1 | **392.140277-50 03 075A** | M24 | 136.0 | 75.0 | 85.0 | 140.0 | 20 | 7.03 | 6000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

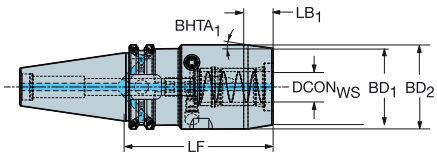
M1 N23

# ISO 7388-1 a CoroChuck™ 930

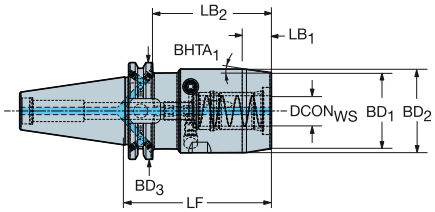
**Adaptador del lado de la máquina compatible con DIN 69871-ADB**

DSGN 3






DSGN 6

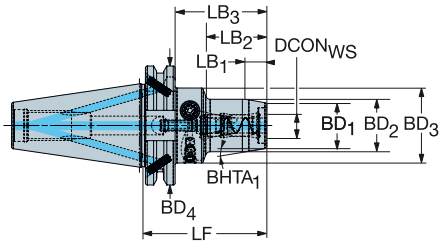



## Diseño de mecanizado pesado

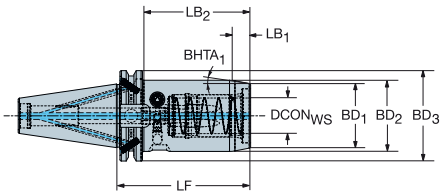
| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | $BHTA_1$ | BAR | NM | KG | RPMX |
| 40 | 20 | 7 | 1 | 6 | **930-I40-HD-20-097** | M16 | 20.0 | 51 | 97.0 | 17.8 | 77.9 | 97.0 | 50.0 | 55.0 | 63.5 | 8° | 80 | 10.00 | 2.03 | 18000 |
| | 25 | 7 | 1 | 3 | **930-I40-HD-25-103** | M16 | 25.0 | 57 | 103.0 | 18.8 | 103.0 | | 57.0 | 65.0 | | 12° | 80 | 10.00 | 2.48 | 18000 |
| 50 | 20 | 7 | 1 | 6 | **930-I50-HD-20-083** | M24 | 20.0 | 51 | 83.0 | 17.8 | 63.9 | 83.0 | 50.0 | 55.0 | 97.4 | 8° | 80 | 10.00 | 3.68 | 12000 |
| | 25 | 7 | 1 | 6 | **930-I50-HD-25-087** | M24 | 25.0 | 57 | 87.0 | 18.8 | 67.9 | 87.0 | 57.0 | 65.0 | 97.4 | 12° | 80 | 10.00 | 4.13 | 12000 |
| | 32 | 7 | 1 | 6 | **930-I50-HD-32-077** | M24 | 32.0 | 61 | 77.0 | 18.8 | 57.9 | 77.0 | 68.0 | 76.0 | 97.4 | 12° | 80 | 10.00 | 4.24 | 12000 |
| | 32 | 7 | 1 | 6 | **930-I50-HD-32-170** | M24 | 32.0 | 61 | 170.0 | 18.8 | 150.9 | 170.0 | 68.0 | 76.0 | 97.4 | 12° | 80 | 10.00 | 7.43 | 12000 |

DSGN 10






DSGN 6




## Diseño delgado

| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | $BD_4$ | $BHTA_1$ | $BHTA_3$ | BAR | NM | KG | RPMX |
| 40 | 6 | 7 | 1 | 10 | **930-I40-S-06-068** | M16 | 6.0 | 37 | 68.0 | 11.3 | 30.2 | 48.9 | 22.0 | 26.0 | 40.0 | 63.5 | 10° | 0° | 80 | 8.00 | 1.06 | 18000 |
| | 8 | 7 | 1 | 10 | **930-I40-S-08-068** | M16 | 8.0 | 37 | 68.0 | 11.3 | 30.2 | 48.9 | 24.0 | 28.0 | 40.0 | 63.5 | 10° | 0° | 80 | 8.00 | 1.07 | 18000 |
| | 10 | 7 | 1 | 10 | **930-I40-S-10-072** | M16 | 10.0 | 41 | 72.0 | 11.3 | 34.2 | 52.9 | 26.0 | 30.0 | 40.0 | 63.5 | 10° | 0° | 80 | 8.00 | 1.11 | 18000 |
| | 12 | 7 | 1 | 10 | **930-I40-S-12-080** | M16 | 12.0 | 46 | 80.0 | 11.3 | 38.2 | 60.9 | 28.0 | 32.0 | 50.0 | 63.5 | 10° | 0° | 80 | 8.00 | 1.32 | 18000 |
| | 20 | 7 | 1 | 10 | **930-I40-S-20-090** | M16 | 20.0 | 51 | 90.0 | 16.0 | 49.2 | 70.9 | 38.0 | 42.0 | 50.0 | 63.5 | 7° | 0° | 80 | 8.00 | 1.50 | 18000 |
| | 25 | 7 | 1 | 6 | **930-I40-S-25-095** | M16 | 25.0 | 57 | 95.0 | 12.9 | 75.0 | 76.0 | 45.0 | 50.0 | 50.0 | 63.5 | 11° | 82° | 80 | 8.00 | 1.71 | 18000 |
| 50 | 20 | 7 | 1 | 10 | **930-I50-S-20-089** | M24 | 20.0 | 51 | 89.0 | 16.0 | 49.2 | 69.9 | 38.0 | 42.0 | 50.0 | 97.4 | 7° | 0° | 80 | 8.00 | 3.34 | 12000 |
| | 25 | 7 | 1 | 6 | **930-I50-S-25-095** | M24 | 25.0 | 57 | 95.0 | 12.9 | 73.5 | 76.0 | 45.0 | 50.0 | 50.0 | 97.4 | 11° | 84° | 80 | 8.00 | 3.57 | 12000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

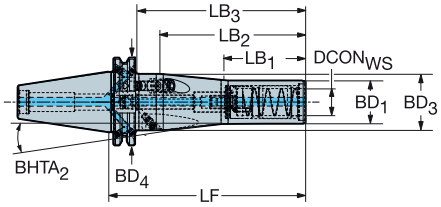
M1 N23 N6 N15 N4

# ISO 7388-1 a CoroChuck™ 930

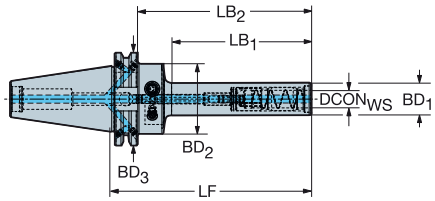
**Adaptador del lado de la máquina compatible con DIN 69871-ADB**

DSGN 11






DSGN 5

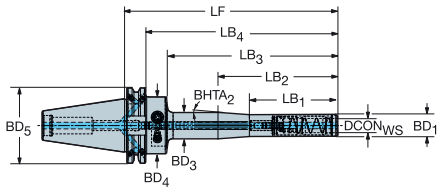



**Diseño tipo lápiz**

| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_2$ | $BD_3$ | $BD_4$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| 40 | 8 | 7 | 1 | 5 | **930-I40-P-08-088** | M16 | 8.0 | 37 | 88.0 | 45.8 | 66.5 | 88.0 | | 17.5 | 40.0 | 63.5 | | 0° | 80 | 8.00 | 1.04 | 18000 |
| | 10 | 7 | 1 | 5 | **930-I40-P-10-098** | M16 | 10.0 | 41 | 98.0 | 55.8 | 76.5 | 98.0 | | 20.0 | 40.0 | 63.5 | | 0° | 80 | 8.00 | 1.09 | 18000 |
| | 10 | 7 | 1 | 5 | **930-I40-P-10-138** | M16 | 10.0 | 41 | 138.0 | 95.8 | 116.5 | 138.0 | | 20.0 | 40.0 | 63.5 | | 0° | 80 | 8.00 | 1.18 | 18000 |
| | 12 | 7 | 1 | 5 | **930-I40-P-12-103** | M16 | 12.0 | 46 | 103.0 | 60.8 | 83.9 | 103.0 | | 22.0 | 40.0 | 63.5 | | 0° | 80 | 8.00 | 1.17 | 18000 |
| | 12 | 7 | 1 | 5 | **930-I40-P-12-138** | M16 | 12.0 | 46 | 138.0 | 95.8 | 118.9 | 138.0 | | 22.0 | 40.0 | 63.5 | | 0° | 80 | 8.00 | 1.27 | 18000 |
| | 20 | 7 | 1 | 11 | **930-I40-P-20-145** | M16 | 20.0 | 51 | 145.0 | 60.0 | 108.0 | 125.9 | 145.0 | 32.0 | 32.0 | 42.0 | 63.5 | 6° | 80 | 8.00 | 1.68 | 18000 |

DSGN 17






| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_3$ | $BD_4$ | $BD_5$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| 40 | 12 | 7 | 1 | 17 | **930-I40-P-12-188** | M16 | 12.0 | 46 | 188.0 | 50.0 | 75.0 | 145.8 | 168.9 | 22.0 | 26.0 | 40.0 | 63 | 4° | 80 | 8.00 | 1.57 | 18000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N6 N15 N4

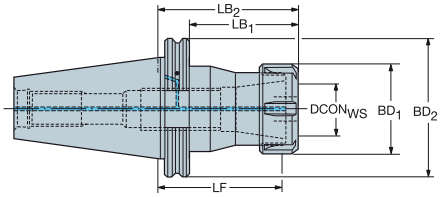
SPA

# ISO 7388-1 a portapinzas ER

**Adaptador del lado de la máquina compatible con DIN 69871-ADB**

**Adaptador del lado de la pieza DIN 6499-B**






| | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | KG | RPMX |
| 40 | ER16 | 7 | 1 | **A1B14-40 16 070** | M16 | 17.0 | 59.7 | 50.9 | 70.0 | 28.0 | 63.5 | 80 | 0.97 | 18000 |
| | ER16 | 7 | 1 | **A1B14-40 16 100** | M16 | 17.0 | 89.7 | 80.9 | 100.0 | 28.0 | 63.5 | 80 | 1.12 | 18000 |
| | ER20 | 7 | 1 | **A1B14-40 20 070** | M16 | 21.0 | 58.8 | 50.9 | 70.0 | 34.0 | 63.5 | 80 | 1.02 | 18000 |
| | ER20 | 7 | 1 | **A1B14-40 20 100** | M16 | 21.0 | 88.8 | 80.9 | 100.0 | 34.0 | 63.5 | 80 | 1.25 | 18000 |
| | ER25 | 7 | 1 | **A1B14-40 25 070** | M16 | 26.0 | 58.3 | 50.9 | 70.0 | 42.0 | 63.5 | 80 | 1.13 | 18000 |
| | ER25 | 7 | 1 | **A1B14-40 25 100** | M16 | 26.0 | 88.3 | 80.9 | 100.0 | 42.0 | 63.5 | 80 | 1.44 | 18000 |
| | ER32 | 7 | 1 | **A1B14-40 32 070** | M16 | 33.0 | 57.3 | 50.9 | 70.0 | 50.0 | 63.5 | 80 | 1.18 | 18000 |
| | ER40 | 7 | 1 | **A1B14-40 40 070** | M16 | 41.0 | 55.3 | 50.9 | 70.0 | 63.0 | 63.5 | 80 | 1.25 | 18000 |
| 50 | ER20 | 7 | 1 | **A1B14-50 20 070** | M24 | 21.0 | 58.8 | 50.9 | 70.0 | 34.0 | 97.5 | 80 | 2.96 | 12000 |
| | ER20 | 7 | 1 | **A1B14-50 20 100** | M24 | 21.0 | 88.8 | 80.9 | 100.0 | 34.0 | 97.5 | 80 | 3.23 | 12000 |
| | ER25 | 7 | 1 | **A1B14-50 25 070** | M24 | 26.0 | 58.3 | 50.9 | 70.0 | 42.0 | 97.5 | 80 | 3.02 | 12000 |
| | ER25 | 7 | 1 | **A1B14-50 25 100** | M24 | 26.0 | 88.3 | 80.9 | 100.0 | 42.0 | 97.5 | 80 | 3.45 | 12000 |
| | ER32 | 7 | 1 | **A1B14-50 32 070** | M24 | 33.0 | 57.3 | 50.9 | 70.0 | 50.0 | 97.5 | 80 | 3.08 | 12000 |
| | ER32 | 7 | 1 | **A1B14-50 32 100** | M24 | 33.0 | 87.3 | 80.9 | 100.0 | 50.0 | 97.5 | 80 | 3.58 | 12000 |
| | ER40 | 7 | 1 | **A1B14-50 40 070** | M24 | 41.0 | 55.3 | 50.9 | 70.0 | 63.0 | 97.5 | 80 | 3.20 | 12000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


M1



N23

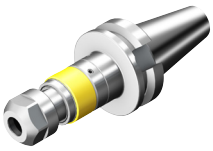


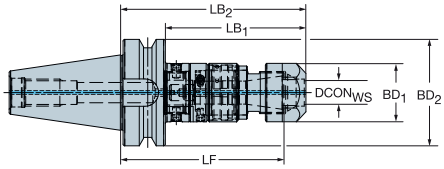
N15

# ISO 7388.1 a CoroChuck™ 970

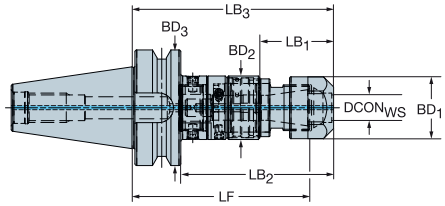
**Adaptador del lado de la pieza DIN 6499-B**

DSGN 2






5




| | | | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | TRMAX | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | BAR | KG | RPMX |
| 40 | ER20 | M12 | 1 | 1 | 5 | **970-I40-20-102** | M16 | 20.8 | 89.2 | 35.3 | 78.1 | 97.2 | 33.7 | 35.0 | 63.5 | 80 | 1.26 | 8000 |
| | ER25 | M20 | 1 | 1 | 5 | **970-I40-25-122** | M16 | 25.8 | 108.1 | 37.1 | 97.5 | 116.6 | 42.0 | 44.0 | 63.5 | 80 | 1.63 | 8000 |
| | ER32 | M27 | 1 | 1 | 2 | **970-I40-32-125** | M16 | 32.8 | 115.8 | 106.2 | 125.3 | | 50.0 | 63.5 | | 80 | 1.58 | 8000 |
| 50 | ER20 | M12 | 1 | 1 | 5 | **970-I50-20-106** | M24 | 20.8 | 93.2 | 35.3 | 82.1 | 101.2 | 33.7 | 35.0 | 97.5 | 80 | 3.12 | 8000 |
| | ER25 | M20 | 1 | 1 | 5 | **970-I50-25-126** | M24 | 25.8 | 112.1 | 37.1 | 101.5 | 120.6 | 42.0 | 44.0 | 97.5 | 80 | 3.75 | 8000 |
| | ER32 | M27 | 1 | 1 | 2 | **970-I50-32-129** | M24 | 32.8 | 119.8 | 110.2 | 129.3 | | 50.0 | 97.5 | | 80 | 3.36 | 8000 |
| | ER40 | M30 | 1 | 1 | 2 | **970-I50-40-155** | M24 | 40.8 | 138.2 | 130.6 | 149.6 | | 63.0 | 97.5 | | 80 | 4.94 | 8000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


M1



N23

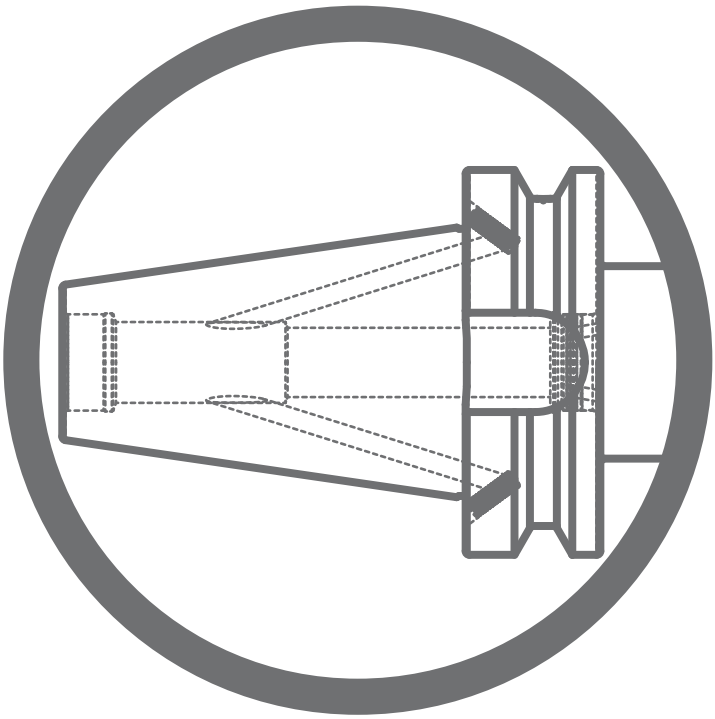


N15


N5

SPA

# Adaptador de máquina MAS-BT

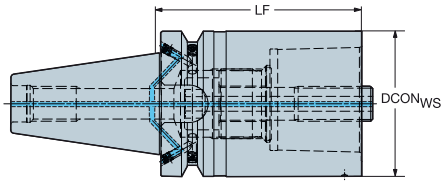


# MAS-BT 403 a adaptador Coromant Capto®

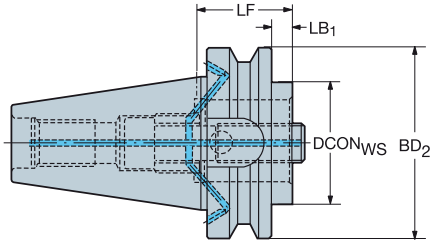
**Adaptador del lado de la máquina compatible con JIS B 6339**



DSGN 1



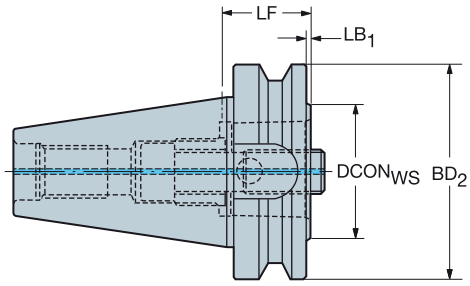

2




| | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_2$ | BAR | NM | KG |
| 30 | C3 | 1 | 1 | 2 | **C3-390.55-30 030** | M12 | 32.0 | 30.0 | 8.0 | 30.0 | 46.0 | 80 | 45.00 | 0.42 |
| | C3 | 1 | 1 | 2 | **C3-390.55-30 060** | M12 | 32.0 | 60.0 | 38.0 | 60.0 | 46.0 | 80 | 45.00 | 0.58 |
| | C4 | 1 | 1 | 2 | **C4-390.55-30 060** | M12 | 40.0 | 60.0 | 38.0 | 60.0 | 46.0 | 80 | 55.00 | 0.67 |
| | C5 | 1 | 1 | 1 | **C5-390.55-30 080** | M12 | 50.0 | 80.0 | 80.0 | | | 80 | 95.00 | 1.07 |
| 40 | C3 | 7 | 1 | 2 | **C3-390B.55-40 030** | M16 | 32.0 | 30.0 | 3.0 | 30.0 | 63.0 | 80 | 45.00 | 0.99 |
| | C3 | 7 | 1 | 2 | **C3-390B.55-40 060** | M16 | 32.0 | 60.0 | 33.0 | 60.0 | 63.0 | 80 | 45.00 | 1.14 |
| | C4 | 7 | 1 | 2 | **C4-390B.55-40 030** | M16 | 40.0 | 30.0 | 3.0 | 30.0 | 63.0 | 80 | 55.00 | 0.95 |
| | C4 | 7 | 1 | 2 | **C4-390B.55-40 060** | M16 | 40.0 | 60.0 | 33.0 | 60.0 | 63.0 | 80 | 55.00 | 1.21 |
| | C5 | 7 | 1 | 2 | **C5-390B.55-40 050** | M16 | 50.0 | 50.0 | 23.0 | 50.0 | 63.0 | 80 | 95.00 | 1.15 |
| | C5 | 7 | 1 | 2 | **C5-390B.55-40 090** | M16 | 50.0 | 90.0 | 63.0 | 90.0 | 63.0 | 80 | 95.00 | 1.72 |
| | C6 | 7 | 1 | 1 | **C6-390B.55-40 075** | M16 | 63.0 | 75.0 | 75.0 | | | 80 | 170.00 | 1.74 |
| 50 | C3 | 7 | 1 | 2 | **C3-390B.58-50 040** | M24 | 32.0 | 40.0 | 2.0 | 40.0 | 100.0 | 80 | 45.00 | 3.68 |
| | C3 | 7 | 1 | 2 | **C3-390B.58-50 070** | M24 | 32.0 | 70.0 | 32.0 | 70.0 | 100.0 | 80 | 45.00 | 3.80 |
| | C4 | 7 | 1 | 2 | **C4-390B.58-50 040** | M24 | 40.0 | 40.0 | 2.0 | 40.0 | 100.0 | 80 | 55.00 | 3.65 |
| | C4 | 7 | 1 | 2 | **C4-390B.58-50 070** | M24 | 40.0 | 70.0 | 32.0 | 70.0 | 100.0 | 80 | 55.00 | 3.88 |
| | C5 | 7 | 1 | 2 | **C5-390B.58-50 040** | M24 | 50.0 | 40.0 | 2.0 | 40.0 | 100.0 | 80 | 95.00 | 3.56 |
| | C5 | 7 | 1 | 2 | **C5-390B.58-50 080** | M24 | 50.0 | 80.0 | 42.0 | 80.0 | 100.0 | 80 | 95.00 | 4.09 |
| | C6 | 7 | 1 | 2 | **C6-390B.58-50 050** | M24 | 63.0 | 50.0 | 12.0 | 50.0 | 100.0 | 80 | 170.00 | 3.61 |
| | C6 | 7 | 1 | 2 | **C6-390B.58-50 100** | M24 | 63.0 | 100.0 | 62.0 | 100.0 | 100.0 | 80 | 170.00 | 4.71 |
| | C8 | 7 | 1 | 2 | **C8-390B.58-50 070** | M24 | 80.0 | 70.0 | 32.0 | 70.0 | 100.0 | 80 | 170.00 | 4.12 |
| | C8 | 7 | 1 | 2 | **C8-390B.58-50 120** | M24 | 80.0 | 120.0 | 72.0 | 120.0 | 100.0 | 80 | 170.00 | 5.98 |
| | C10 | 7 | 1 | 1 | **C10-390B.58-50 140** | M24 | 100.0 | 140.0 | 140.0 | | | 80 | 380.00 | 8.00 |
| 60 | C8 | 1 | 1 | 2 | **C8-390.58-60 120** | M30 | 80.0 | 120.0 | 72.0 | 120.0 | 155.0 | 80 | 170.00 | 15.14 |
| | C10 | 1 | 1 | 2 | **C10-390.58-60 080** | M30 | 100.0 | 80.0 | 32.0 | 80.0 | 155.0 | 80 | 380.00 | 13.30 |

**Polígono rotado 90° para una mayor precisión del control de la punta de la herramienta**
**Diseñado para las series de máquinas -e de Mazak™ y Mori Seiki NT™**






| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $BD_2$ | BAR | NM | KG |
| 40 | C5 | 1 | 1 | **C5-390.605-40 030** | M16 | 50.0 | 30.0 | 3.0 | 63.0 | 80 | 95.00 | 0.88 |
| 50 | C6 | 1 | 1 | **C6-390.605-50 040** | M24 | 63.0 | 40.0 | 2.0 | 100.0 | 80 | 170.00 | 3.26 |
| | C8 | 1 | 1 | **C8-390.605-50 070** | M24 | 80.0 | 70.0 | 32.0 | 100.0 | 80 | 170.00 | 4.14 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


M1



N23



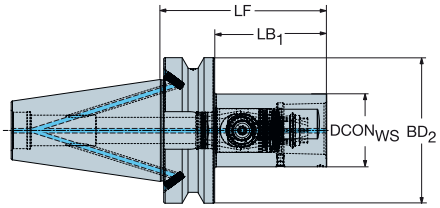
N15

SPA

# MAS-BT 403 a adaptador Coromant Capto® con cambio rápido

**Adaptador del lado de la máquina compatible con JIS B 6339**



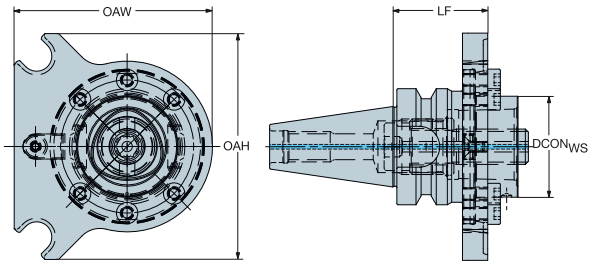



| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | BAR | NM | KG |
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $BD_2$ | | | |
| 50 | C5 | 7 | 1 | **B50-QC-C5-115** | M24 | 50.0 | 115.0 | 76.0 | 100.0 | 80 | 70.00 | 4.55 |
| | C6 | 7 | 1 | **B50-QC-C6-135** | M24 | 63.0 | 135.0 | 96.0 | 100.0 | 80 | 90.00 | 5.49 |
| | C8 | 7 | 1 | **B50-QC-C8-150** | M24 | 80.0 | 150.0 | 111.0 | 100.0 | 80 | 130.00 | 6.91 |

# MAS-BT 403 a adaptador de torneado Coromant Capto®

**Para torno/fresadora Brother Speedio**

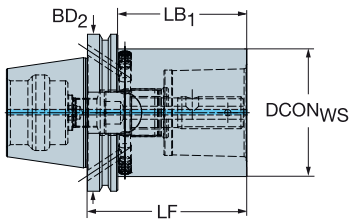





| | | | | | Dimensiones, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | BAR | NM | KG |
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{WS}$ | LF | OAW | OAH | | | |
| 30 | C4 | 1 | 1 | **C4-390.680-30 050Y** | 40.0 | 50.0 | 77.0 | 90.0 | 80 | 55 | 1.0 |

# Cono corto MAS-BT a adaptador Coromant Capto®






| | | | | | Dimensiones, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | BAR | NM | KG |
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{WS}$ | LF | $LB_1$ | $BD_2$ | | | |
| 50 | C8 | 6 | 1 | **C8-390.670-50 100** | 80.0 | 100.0 | 62.0 | 100.0 | 150 | 170.00 | 4.43 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

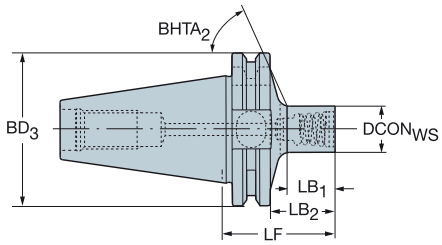
M1 N23 N23 N15

# MAS-BT 403 a Coromant EH, adaptador

**Adaptador del lado de la máquina compatible con JIS B 6339**

DSGN 7

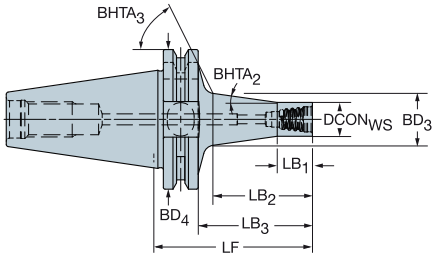





| | | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_3$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| 30 | E10 | 1 | 1 | 7 | 392.55EH-30 10 044 | M12 | 9.6 | 44.0 | 13.3 | 22.0 | 46.0 | 65° | 80 | 12.00 | 0.51 | 25000 |
| | E12 | 1 | 1 | 7 | 392.55EH-30 12 046 | M12 | 11.6 | 46.0 | 15.6 | 24.0 | 46.0 | 64° | 80 | 15.00 | 0.52 | 25000 |
| | E16 | 1 | 1 | 7 | 392.55EH-30 16 041 | M12 | 15.4 | 41.3 | 8.0 | 19.3 | 46.0 | 49° | 80 | 30.00 | 0.57 | 25000 |
| | E16 | 1 | 1 | 7 | 392.55EH-30 16 052 | M12 | 15.4 | 52.0 | 22.1 | 30.0 | 46.0 | 63° | 80 | 30.00 | 0.58 | 25000 |
| | E16 | 1 | 1 | 7 | 392.55EH-30 16 056 | M12 | 15.4 | 56.3 | 16.0 | 34.3 | 46.0 | 35° | 80 | 30.00 | 0.61 | 25000 |
| | E20 | 1 | 1 | 7 | 392.55EH-30 20 049 | M12 | 19.2 | 49.0 | 19.6 | 27.0 | 46.0 | 61° | 80 | 50.00 | 0.59 | 25000 |
| | E20 | 1 | 1 | 7 | 392.55EH-30 20 069 | M12 | 19.2 | 68.7 | 25.0 | 34.7 | 46.0 | 27° | 80 | 50.00 | 0.66 | 25000 |
| | E25 | 1 | 1 | 7 | 392.55EH-30 25 054 | M12 | 24.1 | 54.0 | 25.2 | 32.0 | 46.0 | 58° | 80 | 65.00 | 0.65 | 25000 |
| 40 | E10 | 1 | 1 | 7 | 392.55EH-40 10 051 | M16 | 9.6 | 51.0 | 13.0 | 24.0 | 63.0 | 67° | 80 | 12.00 | 1.16 | 18000 |
| | E12 | 1 | 1 | 7 | 392.55EH-40 12 054 | M16 | 11.6 | 54.0 | 16.3 | 27.0 | 63.0 | 67° | 80 | 15.00 | 1.18 | 18000 |
| | E16 | 1 | 1 | 7 | 392.55EH-40 16 060 | M16 | 15.4 | 60.0 | 22.8 | 33.0 | 63.0 | 66° | 80 | 30.00 | 1.23 | 18000 |
| | E20 | 1 | 1 | 7 | 392.55EH-40 20 056 | M16 | 19.2 | 56.0 | 19.3 | 29.0 | 63.0 | 66° | 80 | 50.00 | 1.25 | 18000 |
| | E25 | 1 | 1 | 7 | 392.55EH-40 25 062 | M16 | 24.1 | 62.0 | 26.0 | 35.0 | 63.0 | 65° | 80 | 65.00 | 1.30 | 18000 |

DSGN 15






| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_3$ | $BD_4$ | $BHTA_2$ | $BHTA_3$ | BAR | NM | KG | RPMX |
| 30 | E10 | 1 | 1 | 15 | 392.55EH-30 10 057 | M12 | 9.6 | 57.0 | 10.0 | 27.6 | 35.0 | 14.6 | 46.0 | 7° | 65° | 80 | 12.00 | 0.51 | 25000 |
| | E12 | 1 | 1 | 15 | 392.55EH-30 12 063 | M12 | 11.6 | 63.0 | 12.0 | 34.1 | 41.0 | 17.8 | 46.0 | 8° | 64° | 80 | 15.00 | 0.54 | 25000 |
| | E16 | 1 | 1 | 15 | 392.55EH-30 16 074 | M12 | 15.4 | 74.0 | 16.0 | 45.9 | 52.0 | 23.8 | 46.0 | 8° | 61° | 80 | 30.00 | 0.64 | 25000 |
| | E20 | 1 | 1 | 15 | 392.55EH-30 20 086 | M12 | 19.2 | 86.0 | 20.0 | 58.7 | 64.0 | 30.1 | 46.0 | 8° | 56° | 80 | 50.00 | 0.73 | 25000 |
| | E25 | 1 | 1 | 15 | 392.55EH-30 25 077 | M12 | 24.1 | 77.0 | 25.0 | 49.9 | 55.0 | 31.1 | 46.0 | 8° | 55° | 80 | 65.00 | 0.75 | 25000 |
| 40 | E10 | 1 | 1 | 15 | 392.55EH-40 10 065 | M16 | 9.6 | 65.0 | 10.0 | 28.4 | 38.0 | 14.8 | 63.0 | 8° | 68° | 80 | 12.00 | 1.18 | 18000 |
| | E12 | 1 | 1 | 15 | 392.55EH-40 12 070 | M16 | 11.6 | 70.0 | 12.0 | 33.8 | 43.0 | 17.7 | 63.0 | 8° | 67° | 80 | 15.00 | 1.20 | 18000 |
| | E16 | 1 | 1 | 15 | 392.55EH-40 16 081 | M16 | 15.4 | 81.0 | 16.0 | 45.6 | 54.0 | 23.7 | 63.0 | 8° | 66° | 80 | 30.00 | 1.29 | 18000 |
| | E20 | 1 | 1 | 15 | 392.55EH-40 20 094 | M16 | 19.2 | 94.0 | 20.0 | 59.5 | 67.0 | 30.3 | 63.0 | 8° | 65° | 80 | 50.00 | 1.39 | 18000 |
| | E25 | 1 | 1 | 15 | 392.55EH-40 25 108 | M16 | 24.1 | 108.0 | 25.0 | 74.5 | 81.0 | 38.0 | 63.0 | 8° | 62° | 80 | 65.00 | 1.59 | 18000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

N23 N15 N3

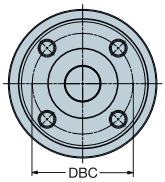
SPA

# MAS-BT 403 a adaptador de eje

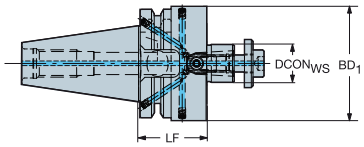
**Adaptador del lado de la máquina compatible con JIS B 6339**



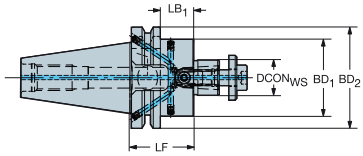
DSGN




1




2




| | | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | DBC | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| 30 | 16 | 1 | 1 | 2 | A205-30 16 035 | | M12 | 16.0 | 35.0 | 13.0 | 35.0 | 36.0 | 46.0 | 80 | 22.00 | 0.54 | 25000 |
| | 22 | 1 | 1 | 2 | A205-30 22 035 | | M12 | 22.0 | 35.0 | 11.9 | 35.0 | 42.0 | 46.0 | 80 | 45.00 | 0.63 | 25000 |
| | 27 | 1 | 1 | 2 | A205-30 27 035 | | M12 | 27.0 | 35.0 | 13.0 | 35.0 | 42.0 | 46.0 | 80 | 80.00 | 0.67 | 25000 |
| | 32 | 1 | 1 | 1 | A205-30 32 050 | | M12 | 32.0 | 50.0 | 50.0 | | 78.0 | | 80 | 180.00 | 1.40 | 25000 |
| 40 | 16 | 7 | 1 | 2 | A2B05-40 16 035 | | M16 | 16.0 | 35.0 | 8.0 | 35.0 | 36.0 | 63.0 | 80 | 22.00 | 0.96 | 18000 |
| | 16 | 7 | 1 | 2 | A2B05-40 16 100 | | M16 | 16.0 | 100.0 | 71.0 | 100.0 | 36.0 | 63.0 | 80 | 22.00 | 1.58 | 18000 |
| | 22 | 7 | 1 | 2 | A2B05-40 22 035 | | M16 | 22.0 | 35.0 | 6.0 | 35.0 | 48.0 | 63.0 | 80 | 45.00 | 1.20 | 18000 |
| | 22 | 7 | 1 | 2 | A2B05-40 22 100 | | M16 | 22.0 | 100.0 | 71.0 | 100.0 | 48.0 | 63.0 | 80 | 45.00 | 2.07 | 18000 |
| | 27 | 7 | 1 | 2 | A2B05-40 27 035 | | M16 | 27.0 | 35.0 | 6.0 | 35.0 | 48.0 | 63.0 | 80 | 80.00 | 1.26 | 18000 |
| | 27 | 7 | 1 | 2 | A2B05-40 27 100 | | M16 | 27.0 | 100.0 | 71.0 | 100.0 | 59.0 | 63.0 | 80 | 80.00 | 2.66 | 18000 |
| | 32 | 7 | 1 | 1 | A2B05-40 32 065 | | M16 | 32.0 | 65.0 | 65.0 | | 78.0 | | 80 | 180.00 | 2.35 | 18000 |
| | 40S | 7 | 1 | 1 | A2B05-40 40 070 | 66.7 | M16 | 40.0 | 70.0 | 70.0 | | 87.0 | | 80 | 300.00 | 3.08 | 18000 |
| 50 | 22 | 7 | 4 | 2 | A2B05-50 22 055 | | M24 | 22.0 | 55.0 | 14.0 | 55.0 | 48.0 | 100.0 | 80 | 45.00 | 4.06 | 12000 |
| | 22 | 7 | 1 | 2 | A2B05-50 22 100 | | M24 | 22.0 | 100.0 | 59.0 | 100.0 | 48.0 | 100.0 | 80 | 45.00 | 4.79 | 12000 |
| | 27 | 7 | 1 | 2 | A2B05-50 27 055 | | M24 | 27.0 | 55.0 | 14.0 | 55.0 | 60.0 | 100.0 | 80 | 80.00 | 4.26 | 12000 |
| | 27 | 7 | 1 | 2 | A2B05-50 27 100 | | M24 | 27.0 | 100.0 | 59.0 | 100.0 | 60.0 | 100.0 | 80 | 80.00 | 5.28 | 12000 |
| | 32 | 7 | 1 | 2 | A2B05-50 32 055 | | M24 | 32.0 | 55.0 | 14.0 | 55.0 | 78.0 | 100.0 | 80 | 180.00 | 4.62 | 12000 |
| | 32 | 7 | 1 | 2 | A2B05-50 32 100 | | M24 | 32.0 | 100.0 | 59.0 | 100.0 | 78.0 | 100.0 | 80 | 180.00 | 6.31 | 12000 |
| | 40S | 7 | 1 | 2 | A2B05-50 40 055 | 66.7 | M24 | 40.0 | 55.0 | 14.0 | 55.0 | 89.0 | 100.0 | 80 | 300.00 | 5.04 | 12000 |
| | 60 | 7 | 1 | 1 | A2F05-50 60 080 | 101.6 | M24 | 60.0 | 80.0 | 80.0 | | 127.0 | | 80 | 180.00 | 7.78 | 12000 |

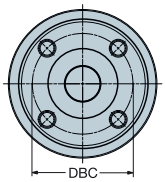
Todos los portaherramientas se entregan con un tornillo estándar sin agujero para refrigerante.
Para fresas con canales para refrigerante, es necesario un nuevo tornillo con agujeros radiales que puede solicitarse por separado.
Consulte la página M13

# MAS-BT a eje, con adaptador de tornillos de transmisión

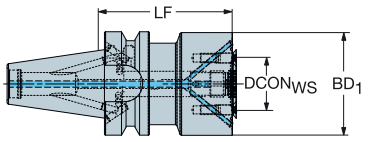
**Adaptador del lado de la máquina compatible con JIS B 6339**



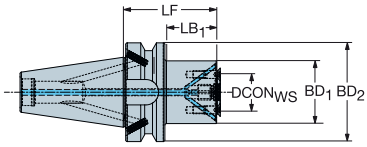
DSGN




1




2




| | | | | | | Dimensiones, mm | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | DBC | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| 30 | X10 | 1 | 3 | 2 | B30-X10-032-050 | 22.0 | M12 | 10.0 | 2 | 50.0 | 27.0 | 50.0 | 32.0 | 46.0 | 80 | 6.40 | 0.60 | 12000 |
| | X22 | 1 | 3 | 2 | B30-X22-040-055 | 32.0 | M12 | 22.0 | 2 | 55.0 | 32.0 | 55.0 | 40.0 | 46.0 | 80 | 3.90 | 0.73 | 11000 |
| 40 | X10 | 7 | 3 | 2 | B40-X10-032-055 | 22.0 | M16 | 10.0 | 2 | 55.0 | 27.0 | 55.0 | 32.0 | 63.0 | 80 | 6.40 | 1.18 | 12000 |
| | X22 | 7 | 3 | 2 | B40-X22-040-060 | 32.0 | M16 | 22.0 | 2 | 60.0 | 32.0 | 60.0 | 40.0 | 63.0 | 80 | 3.90 | 1.33 | 11000 |
| | X32 | 7 | 3 | 1 | B40-X32-063-080 | 45.0 | M16 | 32.0 | 2 | 80.0 | 80.0 | | 63.0 | | 80 | 6.40 | 2.28 | 10000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es



M1




N23



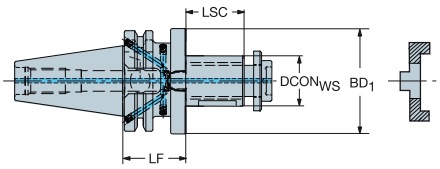

N15

# MAS-BT 403 a adaptador de eje de fresado lateral y planeado

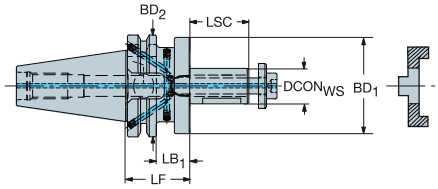
**Adaptador del lado de la máquina compatible con JIS B 6339**



DSGN 1




2




| | | | | | | Dimensiones, mm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CZC$_{MS}$ | CZC$_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | DCON$_{WS}$ | LSC | LF | LB$_1$ | LB$_2$ | BD$_1$ | BD$_2$ | BAR | NM | KG | RPMX |
| 30 | 22 | 1 | 1 | 2 | **A208-30 22 047** | M12 | 22.0 | 31 | 35.0 | 13.0 | 35.0 | 40.0 | 46.0 | 80 | 45.00 | 0.71 | 25000 |
| | 27 | 1 | 1 | 1 | **A208-30 27 050** | M12 | 27.0 | 33 | 38.0 | 38.0 | | 48.0 | | 80 | 80.00 | 0.87 | 25000 |
| 40 | 22 | 7 | 1 | 2 | **A2B08-40 22 055** | M16 | 22.0 | 31 | 43.0 | 12.0 | 43.0 | 40.0 | 63.0 | 80 | 45.00 | 1.35 | 18000 |
| | 27 | 7 | 1 | 2 | **A2B08-40 27 055** | M16 | 27.0 | 33 | 43.0 | 15.0 | 43.0 | 48.0 | 63.0 | 80 | 80.00 | 1.51 | 18000 |
| | 32 | 7 | 1 | 2 | **A2B08-40 32 060** | M16 | 32.0 | 38 | 46.0 | 18.0 | 46.0 | 58.0 | 63.0 | 80 | 180.00 | 1.86 | 18000 |
| | 40 | 7 | 1 | 1 | **A2B08-40 40 070** | M16 | 40.0 | 41 | 56.0 | 56.0 | | 70.0 | | 80 | 300.00 | 2.70 | 18000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


M1



N23



N15

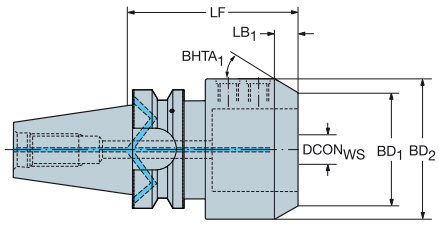
# MAS-BT 403 a Weldon, adaptador

**Adaptador del lado de la máquina compatible con JIS B 6339**

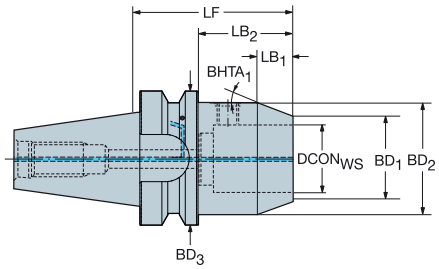
**Adaptador del lado de la pieza DIN 6535-HB y DIN 1835-B**



DSGN 3




6



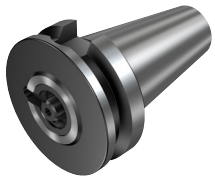

| | | | | | | Dimensiones, mm | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | $BHTA_1$ | BAR | NM | KG |
| 30 | 12 | 1 | 1 | 6 | A2B20-30 12 052 | M12 | 12.0 | 52.0 | 12.6 | 28.9 | 52.0 | 27.0 | 41.5 | 46.0 | 30° | 20 | 12.00 | 0.63 |
| | 16 | 1 | 1 | 3 | A2B20-30 16 063 | M12 | 16.0 | 63.0 | 12.6 | 63.0 | | 33.0 | 47.5 | | 30° | 20 | 15.00 | 0.83 |
| | 20 | 1 | 1 | 3 | A2B20-30 20 063 | M12 | 20.0 | 63.0 | 12.6 | 63.0 | | 37.0 | 51.5 | | 30° | 20 | 20.00 | 0.87 |
| 40 | 6 | 7 | 1 | 6 | A2B20-40 06 100 | M16 | 6.0 | 100.0 | 11.0 | 71.0 | 100.0 | 12.3 | 25.0 | 63.0 | 30° | 20 | 3.00 | 1.21 |
| | 8 | 7 | 1 | 6 | A2B20-40 08 100 | M16 | 8.0 | 100.0 | 11.0 | 71.0 | 100.0 | 15.3 | 28.0 | 63.0 | 30° | 20 | 7.00 | 1.27 |
| | 10 | 7 | 1 | 6 | A2B20-40 10 100 | M16 | 10.0 | 100.0 | 13.0 | 71.0 | 100.0 | 20.0 | 35.0 | 63.0 | 30° | 20 | 10.00 | 1.44 |
| | 12 | 7 | 1 | 6 | A2B20-40 12 063 | M16 | 12.0 | 63.0 | 13.0 | 34.0 | 63.0 | 27.0 | 42.0 | 63.0 | 30° | 20 | 12.00 | 1.12 |
| | 12 | 7 | 1 | 6 | A2B20-40 12 100 | M16 | 12.0 | 100.0 | 13.0 | 71.0 | 100.0 | 27.0 | 42.0 | 63.0 | 30° | 20 | 12.00 | 1.66 |
| | 16 | 7 | 1 | 6 | A2B20-40 16 063 | M16 | 16.0 | 63.0 | 13.0 | 34.0 | 63.0 | 33.0 | 48.0 | 63.0 | 30° | 20 | 15.00 | 1.35 |
| | 16 | 7 | 1 | 6 | A2B20-40 16 100 | M16 | 16.0 | 100.0 | 13.0 | 71.0 | 100.0 | 33.0 | 48.0 | 63.0 | 30° | 20 | 15.00 | 1.84 |
| | 20 | 7 | 1 | 6 | A2B20-40 20 063 | M16 | 20.0 | 63.0 | 13.0 | 34.0 | 63.0 | 37.0 | 52.0 | 63.0 | 30° | 20 | 20.00 | 1.37 |
| | 20 | 7 | 1 | 6 | A2B20-40 20 100 | M16 | 20.0 | 100.0 | 13.0 | 71.0 | 100.0 | 37.0 | 52.0 | 63.0 | 30° | 20 | 20.00 | 1.96 |
| | 25 | 7 | 1 | 6 | A2B20-40 25 090 | M16 | 25.0 | 90.0 | 13.0 | 61.0 | 90.0 | 44.0 | 59.0 | 63.0 | 30° | 20 | 25.00 | 1.73 |
| | 32 | 7 | 1 | 3 | A2B20-40 32 100 | M16 | 32.0 | 100.0 | 13.0 | 100.0 | | 57.0 | 72.0 | | 30° | 20 | 45.00 | 2.40 |
| 50 | 6 | 7 | 1 | 6 | A2B20-50 06 063 | M24 | 6.0 | 63.0 | 11.0 | 22.0 | 63.0 | 12.3 | 25.0 | 100.0 | 30° | 20 | 3.00 | 3.81 |
| | 8 | 7 | 1 | 6 | A2B20-50 08 063 | M24 | 8.0 | 63.0 | 11.0 | 22.0 | 63.0 | 15.3 | 28.0 | 100.0 | 30° | 20 | 7.00 | 3.84 |
| | 10 | 7 | 1 | 6 | A2B20-50 10 070 | M24 | 10.0 | 70.0 | 13.0 | 29.0 | 70.0 | 20.0 | 35.0 | 100.0 | 30° | 20 | 10.00 | 3.90 |
| | 12 | 7 | 1 | 6 | A2B20-50 12 080 | M24 | 12.0 | 80.0 | 13.0 | 36.0 | 80.0 | 26.8 | 42.0 | 100.0 | 30° | 20 | 12.00 | 4.04 |
| | 16 | 7 | 1 | 6 | A2B20-50 16 080 | M24 | 16.0 | 80.0 | 13.0 | 39.0 | 80.0 | 33.0 | 48.0 | 100.0 | 30° | 20 | 15.00 | 4.16 |
| | 20 | 7 | 1 | 6 | A2B20-50 20 080 | M24 | 20.0 | 80.0 | 13.0 | 39.0 | 80.0 | 37.0 | 52.0 | 100.0 | 30° | 20 | 20.00 | 4.18 |
| | 20 | 7 | 1 | 6 | A2B20-50 20 100 | M24 | 20.0 | 100.0 | 13.0 | 59.0 | 100.0 | 37.0 | 52.0 | 100.0 | 30° | 20 | 20.00 | 4.58 |
| | 25 | 7 | 1 | 6 | A2B20-50 25 100 | M24 | 25.0 | 100.0 | 13.0 | 59.0 | 100.0 | 50.0 | 65.0 | 100.0 | 30° | 20 | 25.00 | 4.90 |
| | 25 | 7 | 1 | 6 | A2B20-50 25 160 | M24 | 25.0 | 160.0 | 13.0 | 119.0 | 160.0 | 50.0 | 65.0 | 100.0 | 30° | 20 | 25.00 | 6.62 |
| | 32 | 7 | 1 | 6 | A2B20-50 32 105 | M24 | 32.0 | 105.0 | 12.0 | 64.0 | 105.0 | 58.1 | 72.0 | 100.0 | 30° | 20 | 45.00 | 5.30 |
| | 32 | 7 | 1 | 6 | A2B20-50 32 160 | M24 | 32.0 | 160.0 | 12.0 | 119.0 | 160.0 | 58.1 | 72.0 | 100.0 | 30° | 20 | 45.00 | 7.20 |
| | 40 | 7 | 1 | 6 | A2B20-50 40 115 | M24 | 40.0 | 115.0 | 15.0 | 74.0 | 115.0 | 60.7 | 78.0 | 100.0 | 30° | 20 | 45.00 | 5.60 |

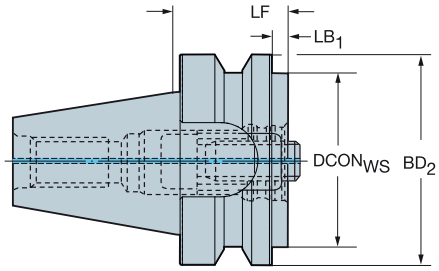
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

# MAS-BT 403 a VL, adaptador

**Adaptador del lado de la máquina compatible con JIS B 6339**






| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $BD_2$ | BAR | NM | KG |
| 50 | 80 | 1 | 1 | **390.58-50 80 040** | M24 | 80.0 | 40.0 | 2.0 | 100.0 | 20 | 180.00 | 3.63 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

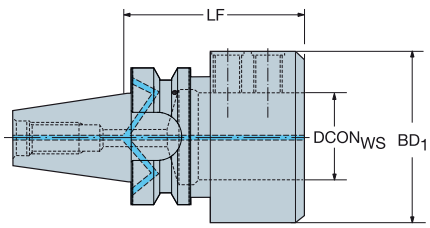
SPA

# MAS-BT 403 a ISO 9766, adaptador

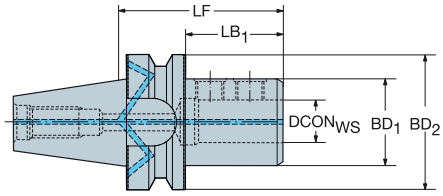
**Adaptador del lado de la máquina compatible con JIS B 6339**



DSGN 1




2

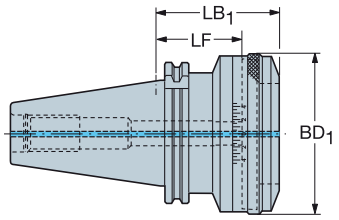



| | | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| 30 | 16 | 1 | 1 | 2 | A227-30 16 080 | M12 | 16.0 | 49 | 80.0 | 58.0 | 80.0 | 36.0 | 46.0 | 20 | 10.00 | 0.76 | 25000 |
| | 20 | 1 | 1 | 2 | A227-30 20 080 | M12 | 20.0 | 51 | 80.0 | 56.9 | 80.0 | 40.0 | 46.0 | 20 | 12.00 | 0.82 | 25000 |
| | 25 | 1 | 1 | 2 | A227-30 25 085 | M12 | 25.0 | 57 | 85.0 | 62.9 | 85.0 | 45.0 | 46.0 | 20 | 20.00 | 0.92 | 25000 |
| | 32 | 1 | 1 | 1 | A227-30 32 090 | M12 | 32.0 | 61 | 90.0 | 90.0 | | 52.0 | | 20 | 30.00 | 1.03 | 25000 |
| 40 | 16 | 7 | 1 | 2 | A2B27-40 16 070 | M16 | 16.0 | 49 | 70.0 | 42.0 | 70.0 | 36.0 | 63.0 | 20 | 10.00 | 1.24 | 18000 |
| | 20 | 7 | 1 | 2 | A2B27-40 20 075 | M16 | 20.0 | 51 | 75.0 | 48.0 | 75.0 | 40.0 | 63.0 | 20 | 12.00 | 1.32 | 18000 |
| | 25 | 7 | 1 | 2 | A2B27-40 25 080 | M16 | 25.0 | 57 | 80.0 | 52.0 | 80.0 | 45.0 | 63.0 | 20 | 20.00 | 1.40 | 18000 |
| | 32 | 7 | 1 | 2 | A2B27-40 32 085 | M16 | 32.0 | 61 | 85.0 | 57.0 | 85.0 | 52.0 | 63.0 | 20 | 30.00 | 1.51 | 18000 |
| 50 | 16 | 7 | 1 | 2 | A2B27-50 16 080 | M24 | 16.0 | 49 | 80.0 | 41.5 | 80.0 | 36.0 | 100.0 | 20 | 10.00 | 3.98 | 12000 |
| | 20 | 7 | 1 | 2 | A2B27-50 20 085 | M24 | 20.0 | 51 | 85.0 | 46.0 | 85.0 | 40.0 | 100.0 | 20 | 12.00 | 3.98 | 12000 |
| | 25 | 7 | 1 | 2 | A2B27-50 25 090 | M24 | 25.0 | 57 | 90.0 | 51.0 | 90.0 | 45.0 | 100.0 | 20 | 20.00 | 4.08 | 12000 |
| | 32 | 7 | 1 | 2 | A2B27-50 32 095 | M24 | 32.0 | 61 | 95.0 | 56.0 | 95.0 | 52.0 | 100.0 | 20 | 30.00 | 4.24 | 12000 |
| | 40 | 7 | 1 | 2 | A2B27-50 40 105 | M24 | 40.0 | 71 | 105.0 | 66.0 | 105.0 | 75.0 | 100.0 | 20 | 40.00 | 5.32 | 12000 |
| | 50 | 7 | 1 | 2 | A2B27-50 50 113 | M24 | 50.0 | 81 | 113.0 | 74.0 | 113.0 | 75.0 | 100.0 | 20 | 45.00 | 4.96 | 12000 |

# MAS-BT 403 a ISO 9766, adaptador ajustable

**Adaptador del lado de la máquina compatible con JIS B 6339**






| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $BD_1$ | BAR | KG | RPMX |
| 40 | 1 | 1 | 1 | 392.55277-40 01 055A | M16 | 78.0 | 55.0 | 79.6 | 86.0 | 20 | 2.38 | 12000 |
| 50 | 2 | 1 | 1 | 392.58277-50 02 063A | M24 | 98.0 | 63.0 | 87.6 | 106.0 | 20 | 5.79 | 9000 |
| | 3 | 1 | 1 | 392.58277-50 03 080B | M24 | 136.0 | 80.0 | 90.0 | 140.0 | 20 | 7.36 | 6000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

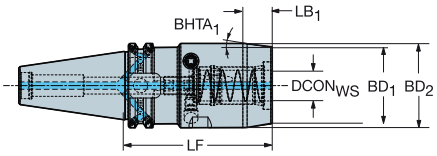
M1 N23 N15

# MAS-BT 403 a CoroChuck™ 930

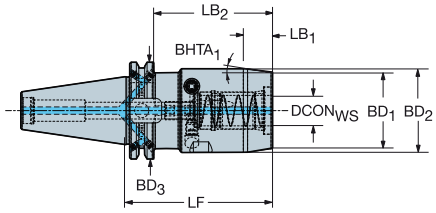
**Adaptador del lado de la máquina compatible con JIS B 6339**

DSGN 3






DSGN 6

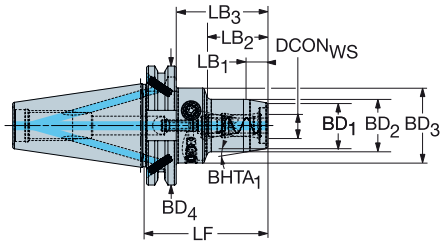



## Diseño de mecanizado pesado

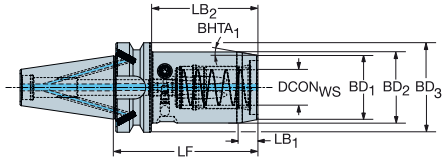
| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | $BHTA_1$ | BAR | NM | KG | RPMX |
| 40 | 20 | 7 | 1 | 6 | 930-B40-HD-20-088 | M16 | 20.0 | 51 | 88.0 | 17.8 | 61.0 | 88.0 | 50.0 | 55.0 | 63.0 | 8° | 80 | 10.00 | 1.93 | 18000 |
| | 25 | 7 | 1 | 3 | 930-B40-HD-25-094 | M16 | 25.0 | 57 | 94.0 | 18.8 | 94.0 | | 57.0 | 65.0 | | 12° | 80 | 10.00 | 2.39 | 18000 |
| 50 | 20 | 7 | 1 | 6 | 930-B50-HD-20-102 | M24 | 20.0 | 51 | 102.0 | 17.8 | 64.0 | 102.0 | 50.0 | 55.0 | 100.0 | 8° | 80 | 10.00 | 4.68 | 12000 |
| | 25 | 7 | 1 | 6 | 930-B50-HD-25-106 | M24 | 25.0 | 57 | 106.0 | 18.8 | 68.0 | 106.0 | 57.0 | 65.0 | 100.0 | 12° | 80 | 10.00 | 5.15 | 12000 |
| | 32 | 7 | 1 | 6 | 930-B50-HD-32-096 | M24 | 32.0 | 61 | 96.0 | 18.8 | 58.0 | 96.0 | 68.0 | 76.0 | 100.0 | 12° | 80 | 10.00 | 5.23 | 12000 |
| | 32 | 7 | 1 | 6 | 930-B50-HD-32-185 | M24 | 32.0 | 61 | 185.0 | 18.8 | 147.0 | 185.0 | 68.0 | 76.0 | 100.0 | 12° | 80 | 10.00 | 8.34 | 12000 |

DSGN 10






DSGN 6




## Diseño delgado

| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_2$ | $BD_3$ | $BD_4$ | $BHTA_1$ | BAR | NM | KG | RPMX |
| 30 | 6 | 1 | 1 | 6 | 930-B30-S-06-048 | M12 | 6.0 | 37 | 48.0 | 9.3 | 12.8 | 48.0 | | 22.0 | 26.0 | 46.0 | | 12° | 80 | 8.00 | 0.55 | 25000 |
| | 8 | 1 | 1 | 6 | 930-B30-S-08-048 | M12 | 8.0 | 37 | 48.0 | 9.3 | 12.8 | 48.0 | | 24.0 | 28.0 | 46.0 | | 12° | 80 | 8.00 | 0.56 | 25000 |
| | 10 | 1 | 1 | 6 | 930-B30-S-10-048 | M12 | 10.0 | 41 | 48.0 | 9.3 | 13.8 | 48.0 | | 26.0 | 30.0 | 46.0 | | 12° | 80 | 8.00 | 0.55 | 25000 |
| | 12 | 1 | 1 | 10 | 930-B30-S-12-082 | M12 | 12.0 | 46 | 82.0 | 11.3 | 38.2 | 60.0 | 82.0 | 28.0 | 32.0 | 40.0 | 46.0 | 10° | 80 | 8.00 | 0.75 | 25000 |
| | 20 | 1 | 1 | 6 | 930-B30-S-20-088 | M12 | 20.0 | 51 | 88.0 | 16.0 | 66.0 | 88.0 | | 38.0 | 42.0 | 46.0 | | 7° | 80 | 8.00 | 0.93 | 25000 |
| 40 | 6 | 7 | 1 | 10 | 930-B40-S-06-075 | M16 | 6.0 | 37 | 75.0 | 11.3 | 30.2 | 48.0 | 75.0 | 22.0 | 26.0 | 40.0 | 63.0 | 10° | 80 | 8.00 | 1.21 | 18000 |
| | 8 | 7 | 1 | 10 | 930-B40-S-08-075 | M16 | 8.0 | 37 | 75.0 | 11.3 | 30.2 | 48.0 | 75.0 | 24.0 | 28.0 | 40.0 | 63.0 | 10° | 80 | 8.00 | 1.23 | 18000 |
| | 10 | 7 | 1 | 10 | 930-B40-S-10-080 | M16 | 10.0 | 41 | 80.0 | 11.3 | 34.2 | 53.0 | 80.0 | 26.0 | 30.0 | 40.0 | 63.0 | 10° | 80 | 8.00 | 1.27 | 18000 |
| | 12 | 7 | 1 | 10 | 930-B40-S-12-085 | M16 | 12.0 | 46 | 85.0 | 11.3 | 38.2 | 58.0 | 85.0 | 27.9 | 32.0 | 50.0 | 63.0 | 10° | 80 | 8.00 | 1.45 | 18000 |
| | 20 | 7 | 1 | 10 | 930-B40-S-20-094 | M16 | 20.0 | 51 | 94.0 | 16.0 | 49.2 | 67.0 | 94.0 | 37.9 | 42.0 | 50.0 | 63.0 | 7° | 80 | 8.00 | 1.62 | 18000 |
| | 25 | 7 | 1 | 6 | 930-B40-S-25-102 | M16 | 25.0 | 57 | 102.0 | 12.9 | 74.0 | | 102.0 | 45.0 | 50.0 | | 63.0 | 11° | 80 | 8.00 | 1.86 | 18000 |
| 50 | 20 | 7 | 1 | 10 | 930-B50-S-20-108 | M24 | 20.0 | 51 | 108.0 | 16.0 | 49.2 | 70.0 | 108.0 | 37.9 | 42.0 | 50.0 | 100.0 | 7° | 80 | 8.00 | 4.35 | 12000 |
| | 25 | 7 | 1 | 6 | 930-B50-S-25-114 | M24 | 25.0 | 57 | 114.0 | 12.9 | 73.5 | | 114.0 | 45.0 | 50.0 | | 100.0 | 11° | 80 | 8.00 | 4.59 | 12000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N6 N15 N4



SANDVIK Coromant

SPA

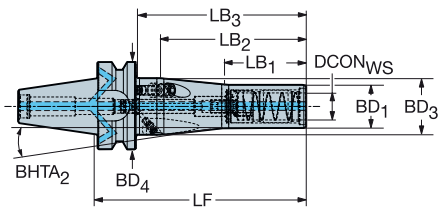
# MAS-BT 403 a CoroChuck™ 930

**Adaptador del lado de la máquina compatible con JIS B 6339**

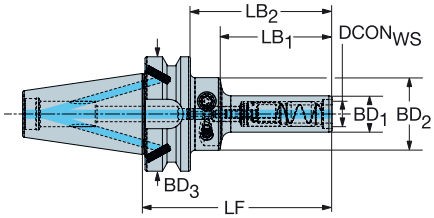
**Diseño tipo lápiz**

DSGN 11





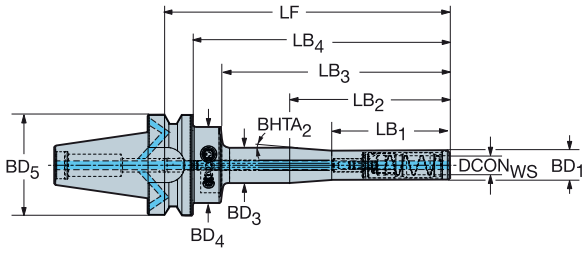

DSGN 5




| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_2$ | $BD_3$ | $BD_4$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| 30 | 6 | 1 | 1 | 11 | **930-B30-P-06-088** | M12 | 6.0 | 37 | 88.0 | 45.8 | 52.1 | 66.0 | 88.0 | 14.5 | 14.5 | 40.0 | 46.0 | 0° | 80 | 8.00 | 0.62 | 25000 |
| | 8 | 1 | 1 | 5 | **930-B30-P-08-088** | M12 | 8.0 | 37 | 88.0 | 45.8 | 66.0 | 88.0 | | 17.5 | 40.0 | 46.0 | | 0° | 80 | 8.00 | 0.59 | 25000 |
| | 10 | 1 | 1 | 5 | **930-B30-P-10-098** | M12 | 10.0 | 41 | 98.0 | 55.8 | 76.0 | 98.0 | | 20.0 | 40.0 | 46.0 | | 0° | 80 | 8.00 | 0.63 | 25000 |
| | 10 | 1 | 1 | 5 | **930-B30-P-10-138** | M12 | 10.0 | 41 | 138.0 | 95.8 | 116.0 | 138.0 | | 20.0 | 40.0 | 46.0 | | 0° | 80 | 8.00 | 0.73 | 25000 |
| | 12 | 1 | 1 | 11 | **930-B30-P-12-103** | M12 | 12.0 | 46 | 103.0 | 60.8 | 66.4 | 81.0 | 103.0 | 22.0 | 22.0 | 40.0 | 46.0 | 0° | 80 | 8.00 | 0.71 | 25000 |
| | 12 | 1 | 1 | 11 | **930-B30-P-12-138** | M12 | 12.0 | 46 | 138.0 | 95.8 | 101.4 | 116.0 | 138.0 | 22.0 | 22.0 | 40.0 | 46.0 | 0° | 80 | 8.00 | 0.81 | 25000 |
| 40 | 8 | 7 | 1 | 5 | **930-B40-P-08-095** | M16 | 8.0 | 37 | 95.0 | 45.8 | 65.5 | 95.0 | | 17.5 | 40.0 | 63.0 | | 0° | 80 | 8.00 | 1.20 | 18000 |
| | 10 | 7 | 1 | 5 | **930-B40-P-10-105** | M16 | 10.0 | 41 | 105.0 | 55.8 | 75.5 | 105.0 | | 20.0 | 40.0 | 63.0 | | 0° | 80 | 8.00 | 1.24 | 18000 |
| | 10 | 7 | 1 | 5 | **930-B40-P-10-145** | M16 | 10.0 | 41 | 145.0 | 95.8 | 115.5 | 145.0 | | 20.0 | 40.0 | 63.0 | | 0° | 80 | 8.00 | 1.34 | 18000 |
| | 12 | 7 | 1 | 11 | **930-B40-P-12-110** | M16 | 12.0 | 46 | 110.0 | 60.8 | 66.4 | 83.0 | 110.0 | 22.0 | 22.0 | 40.0 | 63.0 | 0° | 80 | 8.00 | 1.32 | 18000 |
| | 12 | 7 | 1 | 11 | **930-B40-P-12-145** | M16 | 12.0 | 46 | 145.0 | 95.8 | 101.4 | 118.0 | 145.0 | 22.0 | 22.0 | 40.0 | 63.0 | 0° | 80 | 8.00 | 1.47 | 18000 |
| | 20 | 7 | 1 | 11 | **930-B40-P-20-153** | M16 | 20.0 | 51 | 153.0 | 60.0 | 108.0 | 126.0 | 153.0 | 32.0 | 32.0 | 42.0 | 63.0 | 6° | 80 | 8.00 | 1.84 | 18000 |

DSGN 17






| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_3$ | $BD_4$ | $BD_5$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| 30 | 12 | 1 | 1 | 17 | **930-B30-P-12-188** | M12 | 12.0 | 46 | 188.0 | 50.0 | 75.0 | 151.1 | 166.0 | 22.0 | 26.0 | 40.0 | 46 | 4° | 80 | 8.00 | 1.10 | 25000 |
| 40 | 12 | 7 | 1 | 17 | **930-B40-P-12-195** | M16 | 12.0 | 46 | 195.0 | 50.0 | 75.0 | 151.1 | 168.0 | 22.0 | 26.0 | 40.0 | 46 | 4° | 80 | 8.00 | 1.72 | 18000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N6 N15 N4

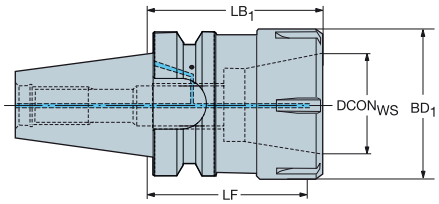
# MAS-BT 403 a portapinzas ER

**Adaptador del lado de la máquina compatible con JIS B 6339**

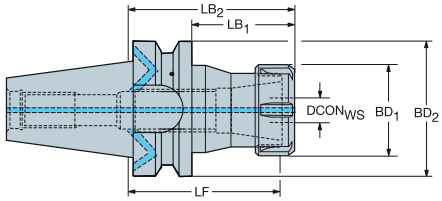
**Adaptador del lado de la pieza DIN 6499-B**



DSGN 1




2




| | | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | KG | RPMX |
| 30 | ER11 | 1 | 1 | 2 | **A2B14-30 11 050** | M12 | 11.4 | 43.7 | 26.9 | 50.0 | 19.0 | 46.0 | 80 | 0.43 | 25000 |
| | ER16 | 1 | 1 | 2 | **A214-30 16 080** | M12 | 17.0 | 69.7 | 56.9 | 80.0 | 28.0 | 46.0 | 80 | 0.59 | 25000 |
| | ER16 | 1 | 1 | 2 | **A214-30 16 100** | M12 | 17.0 | 89.7 | 76.9 | 100.0 | 28.0 | 46.0 | 80 | 0.68 | 25000 |
| | ER16 | 1 | 1 | 2 | **A214-30 16 130** | M12 | 17.0 | 119.7 | 106.9 | 130.0 | 28.0 | 46.0 | 80 | 0.81 | 25000 |
| | ER16 | 1 | 1 | 2 | **A2B14-30 16 050** | M12 | 17.0 | 39.7 | 26.9 | 50.0 | 27.7 | 46.0 | 80 | 0.46 | 25000 |
| | ER20 | 1 | 1 | 2 | **A214-30 20 090** | M12 | 21.0 | 78.8 | 66.9 | 90.0 | 34.0 | 46.0 | 80 | 0.73 | 25000 |
| | ER20 | 1 | 1 | 2 | **A214-30 20 130** | M12 | 21.0 | 118.8 | 106.9 | 130.0 | 34.0 | 46.0 | 80 | 0.99 | 25000 |
| | ER20 | 1 | 1 | 2 | **A2B14-30 20 050** | M12 | 21.0 | 38.8 | 26.9 | 50.0 | 34.0 | 46.0 | 80 | 0.48 | 25000 |
| | ER25 | 1 | 1 | 2 | **A214-30 25 100** | M12 | 26.0 | 88.3 | 76.9 | 100.0 | 42.0 | 46.0 | 80 | 0.99 | 25000 |
| | ER25 | 1 | 1 | 2 | **A214-30 25 130** | M12 | 26.0 | 118.3 | 108.0 | 130.0 | 42.0 | 46.0 | 80 | 1.30 | 25000 |
| | ER25 | 1 | 1 | 2 | **A2B14-30 25 062** | M12 | 26.0 | 50.3 | 38.9 | 62.0 | 42.0 | 46.0 | 80 | 0.58 | 25000 |
| | ER32 | 1 | 1 | 1 | **A214-30 32 070** | M12 | 33.0 | 57.3 | 70.0 | | 50.0 | | 80 | 0.70 | 25000 |
| | ER32 | 1 | 1 | 1 | **A214-30 32 130** | M12 | 33.0 | 117.3 | 130.0 | | 50.0 | | 80 | 1.25 | 25000 |
| 40 | ER16 | 7 | 1 | 2 | **A2B14-40 16 070** | M16 | 17.0 | 59.7 | 41.0 | 70.0 | 28.0 | 63.0 | 80 | 1.10 | 18000 |
| | ER16 | 7 | 1 | 2 | **A2B14-40 16 100** | M16 | 17.0 | 89.7 | 71.0 | 100.0 | 28.0 | 63.0 | 80 | 1.25 | 18000 |
| | ER20 | 7 | 1 | 2 | **A2B14-40 20 070** | M16 | 21.0 | 58.8 | 41.0 | 70.0 | 34.0 | 63.0 | 80 | 1.15 | 18000 |
| | ER20 | 7 | 1 | 2 | **A2B14-40 20 100** | M16 | 21.0 | 88.8 | 71.0 | 100.0 | 34.0 | 63.0 | 80 | 1.33 | 18000 |
| | ER25 | 7 | 1 | 2 | **A2B14-40 25 070** | M16 | 26.0 | 58.3 | 41.0 | 70.0 | 42.0 | 63.0 | 80 | 1.22 | 18000 |
| | ER25 | 7 | 1 | 2 | **A2B14-40 25 100** | M16 | 26.0 | 88.3 | 71.0 | 100.0 | 42.0 | 63.0 | 80 | 1.50 | 18000 |
| | ER32 | 7 | 1 | 2 | **A2B14-40 32 070** | M16 | 33.0 | 57.3 | 41.0 | 70.0 | 50.0 | 63.0 | 80 | 1.24 | 18000 |
| | ER40 | 7 | 1 | 1 | **A2B14-40 40 070** | M16 | 41.0 | 55.3 | 70.0 | | 63.0 | | 80 | 1.35 | 18000 |
| 50 | ER20 | 7 | 1 | 2 | **A2B14-50 20 070** | M24 | 21.0 | 58.8 | 29.0 | 70.0 | 34.0 | 100.0 | 80 | 3.80 | 12000 |
| | ER20 | 7 | 1 | 2 | **A2B14-50 20 100** | M24 | 21.0 | 88.8 | 59.0 | 100.0 | 34.0 | 100.0 | 80 | 4.11 | 12000 |
| | ER25 | 7 | 1 | 2 | **A2B14-50 25 070** | M24 | 26.0 | 58.3 | 29.0 | 70.0 | 42.0 | 100.0 | 80 | 3.88 | 12000 |
| | ER25 | 7 | 1 | 2 | **A2B14-50 25 100** | M24 | 26.0 | 88.3 | 59.0 | 100.0 | 42.0 | 100.0 | 80 | 4.26 | 12000 |
| | ER32 | 7 | 1 | 2 | **A2B14-50 32 070** | M24 | 33.0 | 57.3 | 28.6 | 70.0 | 50.0 | 100.0 | 80 | 3.84 | 12000 |
| | ER32 | 7 | 1 | 2 | **A2B14-50 32 100** | M24 | 33.0 | 87.3 | 59.0 | 100.0 | 50.0 | 100.0 | 80 | 4.26 | 12000 |
| | ER40 | 7 | 1 | 2 | **A2B14-50 40 080** | M24 | 41.0 | 65.3 | 39.0 | 80.0 | 63.0 | 100.0 | 80 | 4.04 | 12000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

SPA

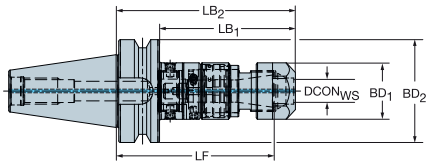
# MAS-BT 403 a CoroChuck™ 970

**Adaptador del lado de la máquina compatible con JIS B 6339**

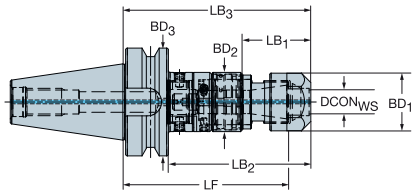
**Adaptador del lado de la pieza DIN 6499-B**



DSGN 2




DSGN 5




| | | | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | TRMAX | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | BAR | KG | RPMX |
| 30 | ER11 | M5 | 1 | 1 | 5 | **970-B30-11-082** | M12 | 11.3 | 78.2 | 24.1 | 60.0 | 82.0 | 18.7 | 23.5 | 46.0 | 80 | 0.55 | 8000 |
| | ER20 | M12 | 1 | 1 | 5 | **970-B30-20-105** | M12 | 20.8 | 92.2 | 35.3 | 78.1 | 100.2 | 33.7 | 35.0 | 46.0 | 80 | 0.83 | 8000 |
| | ER25 | M20 | 1 | 1 | 5 | **970-B30-25-125** | M12 | 25.8 | 111.1 | 37.1 | 97.6 | 119.6 | 42.0 | 44.0 | 46.0 | 80 | 1.19 | 8000 |
| 40 | ER20 | M12 | 1 | 1 | 5 | **970-B40-20-110** | M16 | 20.8 | 97.2 | 35.3 | 78.1 | 105.2 | 33.7 | 35.0 | 63.0 | 80 | 1.42 | 8000 |
| | ER25 | M20 | 1 | 1 | 5 | **970-B40-25-130** | M16 | 25.8 | 116.1 | 37.1 | 97.6 | 124.6 | 42.0 | 44.0 | 63.0 | 80 | 1.78 | 8000 |
| | ER32 | M27 | 1 | 1 | 2 | **970-B40-32-133** | M16 | 32.8 | 123.8 | 106.3 | 133.3 | | 50.0 | 63.0 | | 80 | 1.74 | 8000 |
| 50 | ER20 | M12 | 1 | 1 | 5 | **970-B50-20-125** | M24 | 20.8 | 112.2 | 35.3 | 82.1 | 120.2 | 33.7 | 35.0 | 100.0 | 80 | 4.09 | 8000 |
| | ER25 | M20 | 1 | 1 | 5 | **970-B50-25-145** | M24 | 25.8 | 131.1 | 37.1 | 101.6 | 139.6 | 42.0 | 44.0 | 100.0 | 80 | 4.47 | 8000 |
| | ER32 | M27 | 1 | 1 | 2 | **970-B50-32-148** | M24 | 32.8 | 138.8 | 110.3 | 148.3 | | 50.0 | 100.0 | | 80 | 4.33 | 8000 |
| | ER40 | M30 | 1 | 1 | 2 | **970-B50-40-174** | M24 | 40.8 | 157.2 | 130.6 | 168.6 | | 63.0 | 100.0 | | 80 | 5.90 | 8000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es


M1



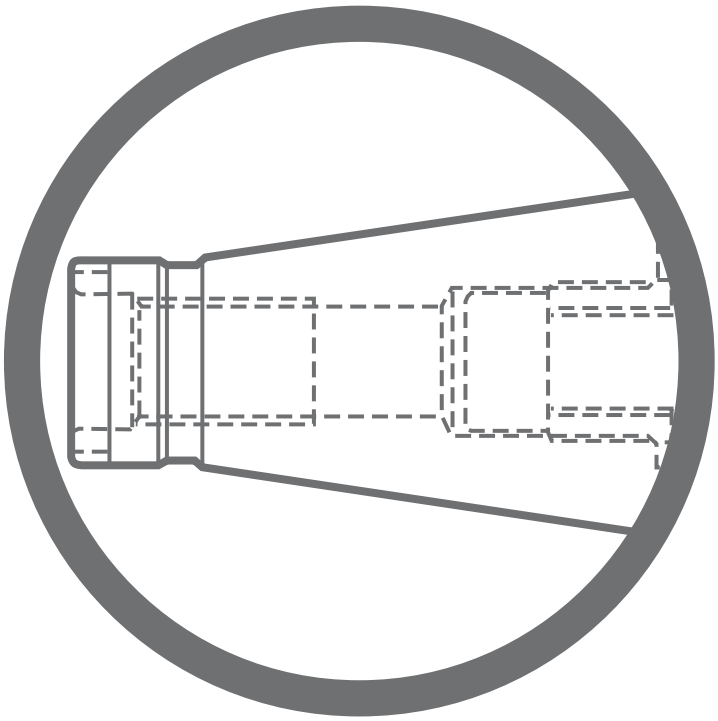
N23



N15


N5

# Adaptador de máquina DIN 2080

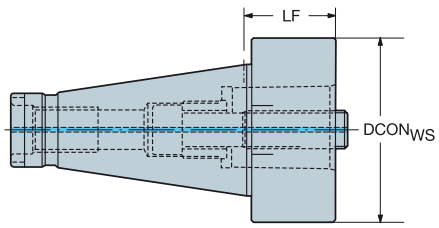


SPA

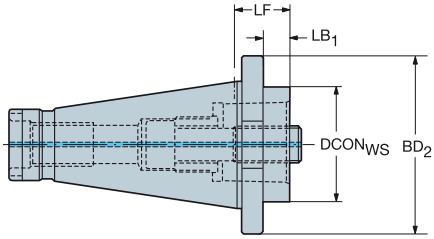
# A daptador DIN 2080 a Coromant Capto®



DSGN 1




2



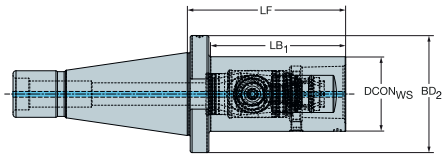

| | | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $BD_2$ | BAR | NM | KG |
| 40 | C3 | 1 | 1 | 2 | **C3-390.00-40 030** | M16 | 32.0 | 30.0 | 18.4 | 30.0 | 63.0 | 80 | 45.00 | 0.86 |
| | C4 | 1 | 1 | 2 | **C4-390.00-40 030** | M16 | 40.0 | 30.0 | 18.4 | 30.0 | 63.0 | 80 | 55.00 | 0.09 |
| | C4 | 1 | 1 | 2 | **C4-390.00-40 060** | M16 | 40.0 | 60.0 | 48.4 | 60.0 | 63.0 | 80 | 55.00 | 1.13 |
| | C5 | 1 | 1 | 2 | **C5-390.00-40 030** | M16 | 50.0 | 30.0 | 18.4 | 30.0 | 63.0 | 80 | 95.00 | 0.90 |
| | C6 | 1 | 1 | 1 | **C6-390.00-40 075** | M16 | 63.0 | 75.0 | 75.0 | | | 80 | 170.00 | 1.87 |
| 50 | C3 | 1 | 1 | 2 | **C3-390.00-50 030** | M24 | 32.0 | 30.0 | 14.8 | 30.0 | 97.5 | 80 | 45.00 | 2.78 |
| | C3 | 1 | 1 | 2 | **C3-390.00-50 060** | M24 | 32.0 | 60.0 | 44.8 | 60.0 | 97.5 | 80 | 45.00 | 2.89 |
| | C4 | 1 | 1 | 2 | **C4-390.00-50 030** | M24 | 40.0 | 30.0 | 14.8 | 30.0 | 97.5 | 80 | 55.00 | 2.79 |
| | C4 | 1 | 1 | 2 | **C4-390.00-50 060** | M24 | 40.0 | 60.0 | 44.8 | 60.0 | 97.5 | 80 | 55.00 | 3.01 |
| | C5 | 1 | 1 | 2 | **C5-390.00-50 030** | M24 | 50.0 | 30.0 | 14.8 | 30.0 | 97.5 | 80 | 95.00 | 2.76 |
| | C5 | 1 | 1 | 2 | **C5-390.00-50 070** | M24 | 50.0 | 70.0 | 54.8 | 70.0 | 97.5 | 80 | 95.00 | 3.28 |
| | C6 | 1 | 1 | 2 | **C6-390.00-50 030** | M24 | 63.0 | 30.0 | 14.8 | 30.0 | 97.5 | 80 | 170.00 | 2.72 |
| | C6 | 1 | 1 | 2 | **C6-390.00-50 080** | M24 | 63.0 | 80.0 | 64.8 | 80.0 | 97.5 | 80 | 170.00 | 3.82 |
| | C8 | 1 | 1 | 2 | **C8-390.00-50 070** | M24 | 80.0 | 70.0 | 54.8 | 70.0 | 97.5 | 80 | 170.00 | 3.98 |
| | C8 | 1 | 1 | 2 | **C8-390.00-50 120** | M24 | 80.0 | 120.0 | 104.8 | 120.0 | 97.5 | 80 | 170.00 | 5.84 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

N23 N15

# Adaptador DIN 2080 a Coromant Capto® con cambio rápido





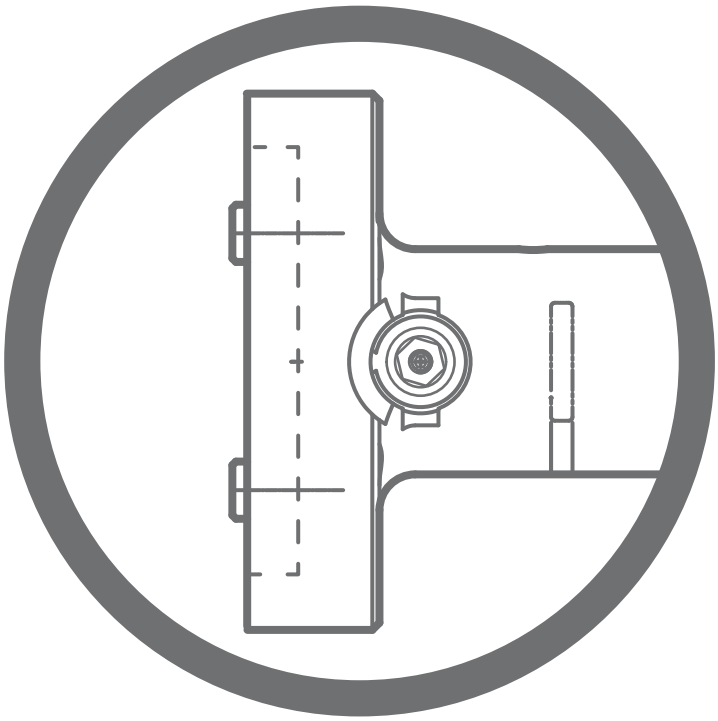

| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | BAR | NM | KG |
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | CRKS | $DCON_{WS}$ | LF | $LB_1$ | $BD_2$ | | | |
| 40 | C5 | 1 | 1 | **DN40-QC-C5-095** | M16 | 50.0 | 95.0 | 83.4 | 62.8 | 80 | 70.00 | 1.70 |
| 50 | C8 | 1 | 1 | **DN50-QC-C8-140** | M24 | 80.0 | 140.0 | 124.8 | 97.3 | 80 | 130.00 | 6.30 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

N23 N15

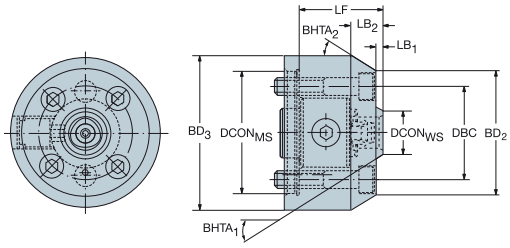
SPA

# Adaptador del lado de la máquina DIN 2079



# DIN 2079 a Coromant Capto® , adaptador

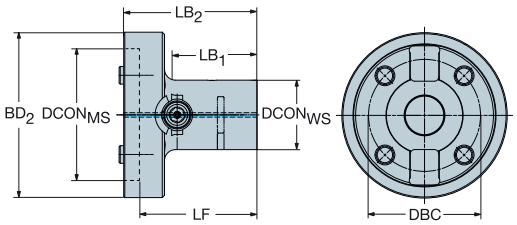





| CZC$_{MS}$ | CZC$_{WS}$ | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DBC | DCON$_{WS}$ | LF | LB$_1$ | LB$_2$ | BD$_2$ | BD$_3$ | BHTA$_1$ | BHTA$_2$ | NM | KG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | C3 | C3-390.34705-40 060 | 88.8 | 66.7 | 32.0 | 60.0 | 5.0 | 22.3 | 90.0 | 110.0 | 30° | 30° | 35.00 | 3.99 |
| | C4 | C4-390.34705-40 070 | 88.8 | 66.7 | 40.0 | 70.0 | 5.0 | 22.3 | 90.0 | 110.0 | 30° | 30° | 15.00 | 5.00 |

# DIN 2079 a adaptador Coromant Capto® con cambio rápido



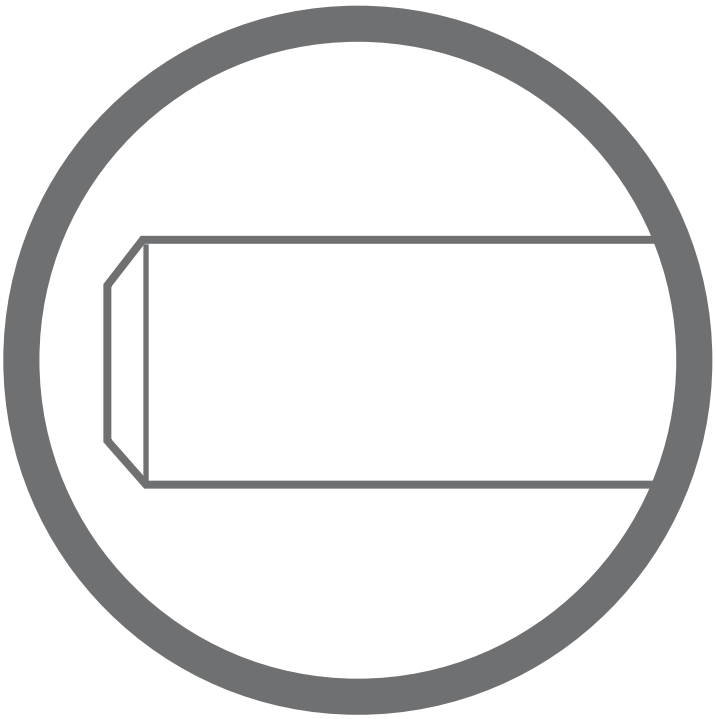



| CZC$_{MS}$ | CZC$_{WS}$ | CNSC | CXSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DBC | DCON$_{WS}$ | LF | LB$_1$ | LB$_2$ | BD$_2$ | BAR | NM | KG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | C5 | 1 | 1 | SI40-QC-C5-090 | 88.8 | 66.7 | 50.0 | 90.0 | 70.0 | 102.0 | 110.0 | 80 | 70.00 | 2.30 |
| 50 | C6 | 1 | 1 | SI50-QC-C6-105 | 128.5 | 101.6 | 63.0 | 105.0 | 74.0 | 121.0 | 150.0 | 80 | 90.00 | 5.00 |
| | C8 | 3 | 1 | SI50-QC-C8-135 | 128.5 | 101.6 | 80.0 | 135.0 | 104.0 | 151.0 | 150.0 | 80 | 130.00 | 6.89 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

ISO 13399 N23 CNSC CXSC N15

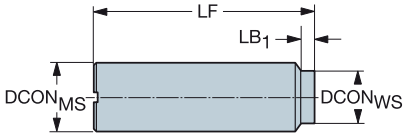
# Adaptador de máquina de mango cilíndrico



# Mango cilíndrico para adaptador Cormant EH

**Diseño recto**

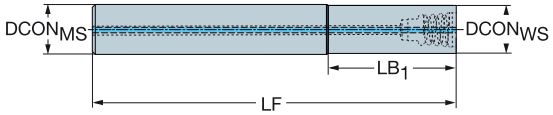





## Mango de acero

| | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | BAR | NM | KG | RPMX |
| 10 | E10 | 1 | 1 | **E10-A10-SS-075** | 10.0 | 9.6 | 54 | 75.0 | 20.0 | 80 | 12.00 | 0.09 | 40000 |
| 12 | E12 | 1 | 1 | **E12-A12-SS-100** | 12.0 | 11.6 | 77 | 100.0 | 22.0 | 80 | 15.00 | 0.14 | 31000 |
| 16 | E10 | 1 | 1 | **E10-A16-SS-065** | 16.0 | 9.6 | 57 | 65.0 | 5.0 | 80 | 12.00 | 0.14 | 40000 |
| | E12 | 1 | 1 | **E12-A16-SS-065** | 16.0 | 11.6 | 58 | 65.0 | 5.0 | 80 | 15.00 | 0.15 | 40000 |
| 20 | E16 | 1 | 1 | **E16-A20-SS-070** | 20.0 | 15.4 | 63 | 70.0 | 5.0 | 80 | 30.00 | 0.26 | 40000 |
| | E16 | 1 | 1 | **E16-A20-SS-110** | 20.0 | 15.4 | 83 | 110.0 | 25.0 | 80 | 30.00 | 0.33 | 40000 |
| | E20 | 1 | 1 | **E20-A20-SS-120** | 20.0 | 19.2 | 89 | 120.0 | 30.0 | 80 | 50.00 | 0.38 | 34000 |
| 25 | E20 | 1 | 1 | **E20-A25-SS-080** | 25.0 | 19.2 | 73 | 80.0 | 5.0 | 80 | 50.00 | 0.39 | 40000 |
| | E25 | 1 | 1 | **E25-A25-SS-140** | 25.0 | 24.1 | 99 | 140.0 | 40.0 | 80 | 65.00 | 0.63 | 25000 |
| 32 | E25 | 1 | 1 | **E25-A32-SS-080** | 32.0 | 24.1 | 73 | 80.0 | 5.0 | 80 | 65.00 | 0.62 | 40000 |






## Mango de metal pesado

| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | BAR | KG | RPMX |
| 10 | E10 | 1 | 1 | **EH10-A10-SH-100** | 10.0 | 9.6 | 79 | 100.0 | 20.0 | 80 | 0.18 | 26000 |
| 12 | E12 | 1 | 1 | **EH12-A12-SH-110** | 12.0 | 11.6 | 84 | 110.0 | 25.0 | 80 | 0.26 | 25000 |
| 16 | E16 | 1 | 1 | **EH16-A16-SH-130** | 16.0 | 15.4 | 94 | 130.0 | 35.0 | 80 | 0.52 | 22000 |
| 20 | E20 | 1 | 1 | **EH20-A20-SH-160** | 20.0 | 19.2 | 114 | 160.0 | 45.0 | 80 | 0.92 | 17000 |
| 25 | E25 | 1 | 1 | **EH25-A25-SH-185** | 25.0 | 24.1 | 119 | 185.0 | 65.0 | 80 | 1.58 | 16000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

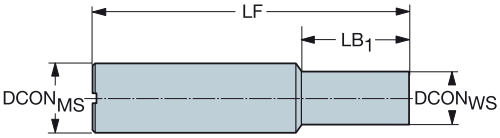
N23 N6 N15 N3

SPA

# Mango cilíndrico para adaptador Cormant EH

**Diseño recto**






## Mango de metal duro

| | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | BAR | NM | KG | RPMX |
| 10 | E10 | 1 | 1 | **E10-A10-SE-100** | 10.0 | 9.6 | 49 | 100.0 | 50.0 | 80 | 12.00 | 0.15 | 35000 |
| 12 | E12 | 1 | 1 | **E12-A12-SE-100** | 12.0 | 11.6 | 51 | 100.0 | 48.0 | 80 | 15.00 | 0.20 | 40000 |
| 16 | E16 | 1 | 1 | **E16-A16-SE-135** | 16.0 | 15.4 | 54 | 135.0 | 80.0 | 80 | 30.00 | 0.44 | 27000 |
| 20 | E20 | 1 | 1 | **E20-A20-SE-095** | 20.0 | 19.2 | 56 | 95.0 | 38.0 | 80 | 50.00 | 0.46 | 40000 |
| | E20 | 1 | 1 | **E20-A20-SE-180** | 20.0 | 19.2 | 69 | 180.0 | 110.0 | 80 | 50.00 | 0.82 | 20000 |
| 25 | E25 | 1 | 1 | **E25-A25-SE-200** | 25.0 | 24.1 | 79 | 200.0 | 120.0 | 80 | 65.00 | 1.36 | 19000 |

**Nota.**

Mango de metal duro integral a utilizar únicamente para acabado/semiacabado

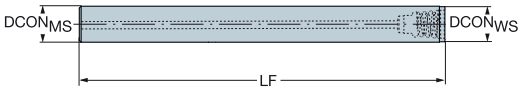
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

N23 N6 N15 N3

# Mango cilíndrico para adaptador Cormant EH

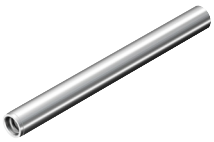
**Diseño recto**

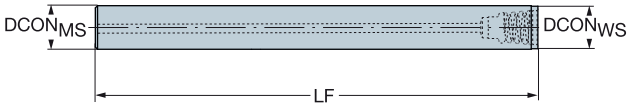





## Mango de acero G subdimensionado

| | | | | | Dimensiones, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | BAR | KG | RPMX |
| 9 | E10 | 1 | 1 | **EH10-A09.7-SS-080** | 9.7 | 9.6 | 78 | 80.0 | 80 | 0.10 | 40000 |
| 11 | E12 | 1 | 1 | **EH12-A11.7-SS-085** | 11.7 | 11.6 | 83 | 85.0 | 80 | 0.12 | 40000 |
| 15 | E16 | 1 | 1 | **EH16-A15.7-SS-100** | 15.7 | 15.4 | 97 | 100.0 | 80 | 0.24 | 40000 |
| 19 | E20 | 1 | 1 | **EH20-A19.7-SS-120** | 19.7 | 19.2 | 117 | 120.0 | 80 | 0.38 | 40000 |
| 24 | E25 | 1 | 1 | **EH25-A24.7-SS-135** | 24.7 | 24.1 | 132 | 135.0 | 80 | 0.56 | 40000 |






## Mango subdimensionado G de metal pesado

| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | BAR | NM | KG | RPMX |
| 9 | E10 | 1 | 1 | **EH10-A09.7-SH-120** | 9.7 | 9.6 | 117 | 120.0 | 80 | | 0.20 | 19000 |
| | E10 | 1 | 1 | **EH10-A09.7-SH-100** | 9.7 | 9.6 | 97 | 100.0 | 80 | 12.00 | 0.17 | 23000 |
| 11 | E12 | 1 | 1 | **EH12-A11.7-SH-135** | 11.7 | 11.6 | 132 | 135.0 | 80 | | 0.29 | 17000 |
| | E12 | 1 | 1 | **EH12-A11.7-SH-110** | 11.7 | 11.6 | 107 | 110.0 | 80 | 15.00 | 0.25 | 23000 |
| 15 | E16 | 1 | 1 | **EH16-A15.7-SH-160** | 15.7 | 15.4 | 156 | 160.0 | 80 | | 0.61 | 15000 |
| | E16 | 1 | 1 | **EH16-A15.7-SH-130** | 15.7 | 15.4 | 126 | 130.0 | 80 | 30.00 | 0.51 | 19000 |
| 19 | E20 | 1 | 1 | **EH20-A19.7-SH-200** | 19.7 | 19.2 | 196 | 200.0 | 80 | | 1.15 | 12000 |
| | E20 | 1 | 1 | **EH20-A19.7-SH-160** | 19.7 | 19.2 | 156 | 160.0 | 80 | 50.00 | 0.91 | 19000 |
| 24 | E25 | 1 | 1 | **EH25-A24.7-SH-235** | 24.7 | 24.1 | 231 | 235.0 | 80 | | 1.99 | 10500 |
| | E25 | 1 | 1 | **EH25-A24.7-SH-185** | 24.7 | 24.1 | 181 | 185.0 | 80 | 65.00 | 1.58 | 14000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

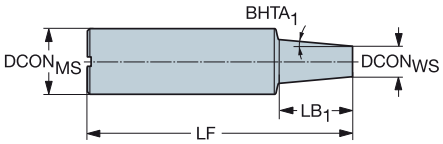
N23 N15 N3

SPA

# Mango cilíndrico para adaptador Cormant EH

## Diseño cónico

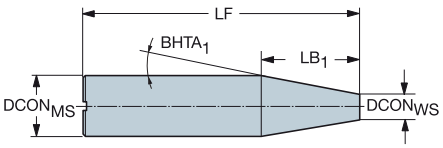





### Mango de acero

| CZC$_{MS}$ | CZC$_{WS}$ | CNSC | CXSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCON$_{WS}$ | LSC | LF | LB$_1$ | BHTA$_1$ | BAR | NM | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | E10 | 1 | 1 | E10-A16-CS-140 | 16.0 | 9.6 | 103 | 140.0 | 36.6 | 5° | 80 | 12.00 | 0.24 | 16000 |
| | E10 | 1 | 1 | E10-A16-CS-160 | 16.0 | 9.6 | 108 | 160.0 | 50.0 | 1° | 80 | 12.00 | 0.24 | 12000 |
| | E12 | 1 | 1 | E12-A16-CS-140 | 16.0 | 11.6 | 115 | 140.0 | 25.1 | 5° | 80 | 15.00 | 0.25 | 16000 |
| | E12 | 1 | 1 | E12-A16-CS-170 | 16.0 | 11.6 | 108 | 170.0 | 60.0 | 1° | 80 | 15.00 | 0.30 | 12000 |
| 20 | E16 | 1 | 1 | E16-A20-CS-190 | 20.0 | 15.4 | 112 | 190.0 | 75.0 | 1° | 80 | 30.00 | 0.49 | 13000 |
| 25 | E16 | 1 | 1 | E16-A25-CS-170 | 25.0 | 15.4 | 115 | 170.0 | 54.9 | 5° | 80 | 30.00 | 0.66 | 18000 |
| 32 | E10 | 1 | 1 | E10-A32-CS-250 | 32.0 | 9.6 | 186 | 250.0 | 63.5 | 10° | 80 | 12.00 | 1.39 | 10000 |
| | E12 | 1 | 1 | E12-A32-CS-250 | 32.0 | 11.6 | 192 | 250.0 | 57.8 | 10° | 80 | 15.00 | 1.50 | 10000 |
| | E20 | 1 | 1 | E20-A32-CS-180 | 32.0 | 19.2 | 107 | 180.0 | 73.2 | 5° | 80 | 50.00 | 1.06 | 20000 |
| | E25 | 1 | 1 | E25-A32-CS-200 | 32.0 | 24.1 | 154 | 200.0 | 45.1 | 5° | 80 | 65.00 | 1.29 | 15000 |

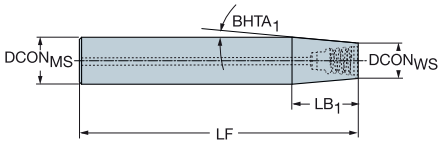





### Mango de acero

| CZC$_{MS}$ | CZC$_{WS}$ | CNSC | CXSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCON$_{WS}$ | LSC | LF | LB$_1$ | BHTA$_1$ | BAR | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | E16 | 1 | 1 | EH16-A20-CS-165 | 20.0 | 15.4 | 138 | 165.0 | 26.3 | 5° | 80 | 0.44 | 27000 |
| 25 | E20 | 1 | 1 | EH20-A25-CS-200 | 25.0 | 19.2 | 120 | 200.0 | 80.0 | 1° | 80 | 0.70 | 19000 |






### Mango de metal duro

| CZC$_{MS}$ | CZC$_{WS}$ | CNSC | CXSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCON$_{WS}$ | LSC | LF | LB$_1$ | BHTA$_1$ | BAR | NM | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | E10 | 1 | 1 | EH10-A16-CE-140 | 16.0 | 9.6 | 103 | 140.0 | 36.6 | 5° | 80 | | 0.41 | 36000 |
| | E12 | 1 | 1 | EH12-A16-CE-165 | 16.0 | 11.6 | 139 | 165.0 | 25.1 | 5° | 80 | | 0.50 | 23000 |
| | E10 | 1 | 1 | E10-A16-CE-155 | 16.0 | 9.6 | 52 | 155.0 | 100.0 | 1° | 80 | 12.00 | 0.34 | 22000 |
| | E12 | 1 | 1 | E12-A16-CE-150 | 16.0 | 11.6 | 58 | 150.0 | 90.0 | 1° | 80 | 15.00 | 0.39 | 23000 |
| 20 | E16 | 1 | 1 | EH16-A20-CE-165 | 20.0 | 15.4 | 138 | 165.0 | 26.3 | 5° | 80 | | 0.78 | 27000 |
| | E16 | 1 | 1 | E16-A20-CE-175 | 20.0 | 15.4 | 55 | 175.0 | 118.0 | 1° | 80 | 30.00 | 0.72 | 22000 |
| 25 | E20 | 1 | 1 | EH20-A25-CE-150 | 25.0 | 19.2 | 116 | 150.0 | 33.1 | 5° | 80 | 50.00 | 1.05 | 23000 |
| | E20 | 1 | 1 | EH20-A25-CE-200 | 25.0 | 19.2 | 117 | 200.0 | 83.0 | 2° | 80 | 50.00 | 1.08 | 19000 |
| 32 | E20 | 1 | 1 | EH20-A32-CE-175 | 32.0 | 19.2 | 101 | 175.0 | 73.2 | 5° | 80 | 50.00 | 1.78 | 21000 |
| | E25 | 1 | 1 | EH25-A32-CE-190 | 32.0 | 24.1 | 144 | 190.0 | 45.1 | 5° | 80 | 65.00 | 2.07 | 20000 |
| | E25 | 1 | 1 | EH25-A32-CE-215 | 32.0 | 24.1 | 169 | 215.0 | 45.1 | 5° | 80 | 65.00 | 2.41 | 18000 |

**Nota.**

Mango de metal duro integral a utilizar únicamente para acabado/semiacabado

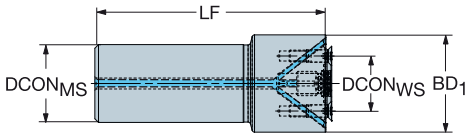
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

N23 N6 N15 N3

# Mango cilíndrico a eje, con adaptador de tornillos de transmisión

**Para CoroMill® QD con suministro de refrigerante interior**






| | | | | | Dimensiones, mm | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | DBC | $DCON_{WS}$ | LSC | LF | $BD_1$ | BAR | NM | KG | RPMX |
| 25 | X10 | 1 | 3 | **CY25-X10-032-090** | 25.0 | 22.0 | 10.0 | 57 | 90.0 | 32.0 | 80 | 6.40 | 0.42 | 12000 |
| | X22 | 1 | 3 | **CY25-X22-040-090** | 25.0 | 32.0 | 22.0 | 57 | 90.0 | 40.0 | 80 | 3.90 | 0.53 | 11000 |
| 32 | X22 | 1 | 3 | **CY32-X22-040-095** | 32.0 | 32.0 | 22.0 | 61 | 95.0 | 40.0 | 80 | 3.90 | 0.71 | 11000 |

N23

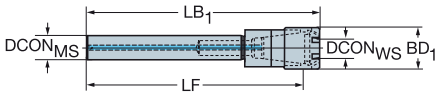
N15

SPA

# Mango cilíndrico a portapinzas ER

**Adaptador del lado de la pieza DIN 6499-B**





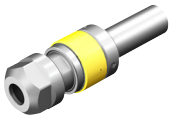

| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | Dimensiones, mm $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $BD_1$ | BAR | KG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | ER11 | 1 | 1 | **393.14-08 11 056** | 8.0 | 11.4 | 52 | 75.0 | 82.5 | 16.0 | 20 | 0.05 |
| 12 | ER16 | 1 | 1 | **393.14-12 16 080** | 12.0 | 17.0 | 77 | 107.0 | 118.5 | 22.0 | 20 | 0.13 |
| 16 | ER11 | 1 | 1 | **393.14-16 11 150** | 16.0 | 11.4 | 149 | 163.5 | 171.0 | 16.0 | 20 | 0.21 |
| 20 | ER16 | 1 | 1 | **393.14-20 16 155** | 20.0 | 17.0 | 155 | 170.0 | 181.5 | 22.0 | 20 | 0.31 |
| 25 | ER20 | 1 | 1 | **393.14-25 20 170A** | 25.0 | 21.0 | 141 | 170.5 | 182.0 | 28.0 | 20 | 0.51 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

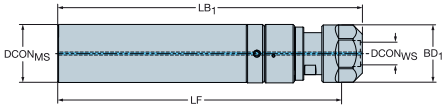
M1 N23 N15

# Mango cilíndrico a CoroChuck™ 970

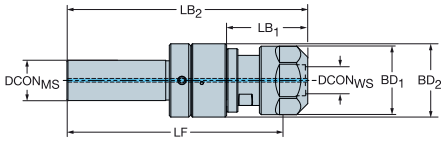
**Adaptador del lado de la pieza DIN 6499-B**



DSGN 1




2

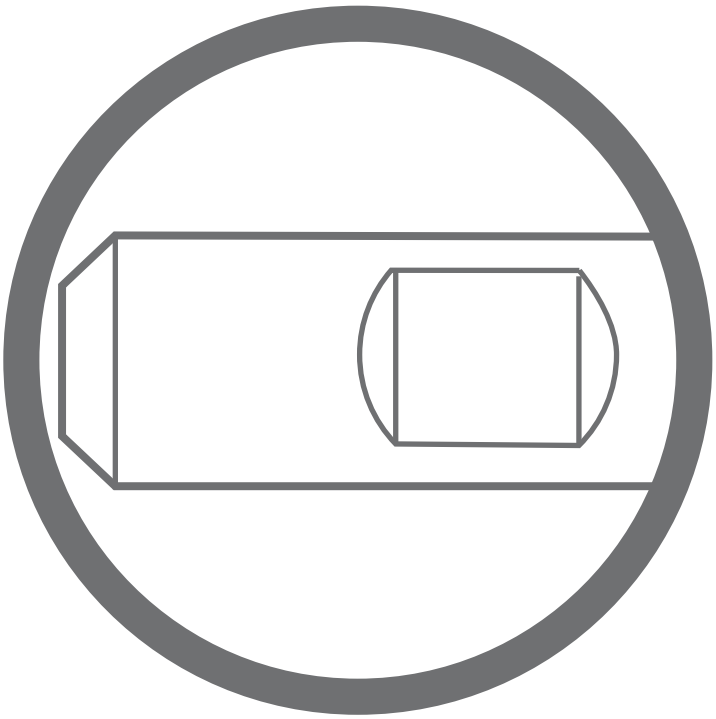



| | | | | | | | Dimensiones, mm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | TRMAX | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | KG | RPMX |
| 12 | ER8 | M3 | 1 | 1 | 1 | **970-CY12-8-052** | 12.0 | 8.5 | 70 | 94.0 | 100.0 | | 12.0 | | 60 | 0.12 | 8000 |
| 16 | ER11 | M5 | 1 | 1 | 2 | **970-CY16-11-052** | 16.0 | 11.3 | 44 | 91.5 | 25.2 | 96.4 | 18.7 | 23.5 | 80 | 0.16 | 8000 |
| 20 | ER20 | M12 | 1 | 1 | 2 | **970-CY20-20-069** | 20.0 | 20.8 | 50 | 106.5 | 40.2 | 119.5 | 34.0 | 34.6 | 80 | 0.44 | 8000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

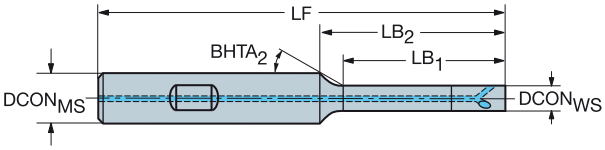
M1 N23 N15 N5

# Adaptador del lado de la máquina mango Weldon



# Weldon a CoroMill® 327, adaptador






| | | | | | Dimensiones, mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BHTA_2$ | BAR | NM | KG | RPMX |
| 12 | 06 | 1 | 1 | 327-12B15SC-06 | 12.0 | 6.0 | 46 | 70.5 | 11.5 | 17.2 | 6.0 | 30° | 20 | 1.80 | 0.07 | 40000 |
| | 06 | 1 | 1 | 327-12B21EC-06 | 12.0 | 6.0 | 46 | 76.5 | 17.5 | 23.2 | 6.0 | 30° | 20 | 1.80 | 0.13 | 40000 |
| | 06 | 1 | 1 | 327-12B30EC-06 | 12.0 | 6.0 | 46 | 86.5 | 26.5 | 32.2 | 6.0 | 30° | 20 | 1.80 | 0.13 | 40000 |
| | 06 | 1 | 1 | 327-12B42EC-06 | 12.0 | 6.0 | 46 | 96.5 | 38.5 | 44.2 | 6.0 | 30° | 20 | 1.80 | 0.13 | 40000 |
| 16 | 09 | 1 | 1 | 327-16B18SC-09 | 16.0 | 9.0 | 49 | 74.3 | 12.2 | 18.8 | 9.0 | 30° | 20 | 4.30 | 0.19 | 40000 |
| | 12 | 1 | 1 | 327-16B24SC-12 | 16.0 | 12.0 | 49 | 74.3 | 18.3 | 22.3 | 12.0 | 30° | 20 | 6.50 | 0.10 | 40000 |
| | 09 | 1 | 1 | 327-16B32EC-09 | 16.0 | 9.0 | 49 | 94.3 | 26.2 | 32.8 | 9.0 | 30° | 20 | 4.30 | 0.27 | 40000 |
| | 09 | 1 | 1 | 327-16B45EC-09 | 16.0 | 9.0 | 49 | 104.3 | 39.2 | 45.8 | 9.0 | 30° | 20 | 4.30 | 0.20 | 40000 |
| | 09 | 1 | 1 | 327-16B64EC-09 | 16.0 | 9.0 | 49 | 124.3 | 58.2 | 64.8 | 9.0 | 30° | 20 | 4.30 | 0.30 | 40000 |
| | 12 | 1 | 1 | 327-16B42EC-12 | 16.0 | 12.0 | 49 | 94.3 | 36.3 | 40.3 | 12.0 | 30° | 20 | 6.50 | 0.28 | 40000 |
| | 12 | 1 | 1 | 327-16B60EC-12 | 16.0 | 12.0 | 49 | 124.3 | 54.3 | 58.3 | 12.0 | 30° | 20 | 6.50 | 0.34 | 35000 |
| | 12 | 1 | 1 | 327-16B85EC-12 | 16.0 | 12.0 | 49 | 154.3 | 79.3 | 83.3 | 12.0 | 30° | 20 | 6.50 | 0.39 | 30000 |
| | 14 | 1 | 1 | 327-16B42EC-14 | 16.0 | 14.3 | 49 | 93.5 | 35.5 | 37.5 | 14.3 | 30° | 20 | 6.50 | 0.30 | 40000 |
| | 14 | 1 | 1 | 327-16B60EC-14 | 16.0 | 14.3 | 49 | 123.5 | 53.5 | 55.5 | 14.3 | 30° | 20 | 6.50 | 0.37 | 35000 |
| | 14 | 1 | 1 | 327-16B85EC-14 | 16.0 | 14.3 | 49 | 153.5 | 78.5 | 80.5 | 14.3 | 30° | 20 | 6.50 | 0.47 | 27000 |
| 20 | 14 | 1 | 1 | 327-20B35SC-14 | 20.0 | 14.3 | 51 | 93.5 | 28.5 | 33.2 | 14.0 | 30° | 20 | 6.50 | 0.28 | 40000 |

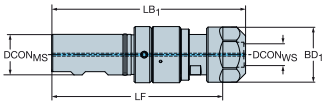
S = Mango de acero
E = Mango de metal duro

# Weldon a CoroChuck™ 970

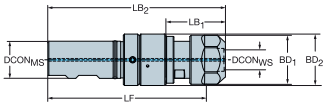
**Adaptador del lado de la pieza DIN 6499-B**



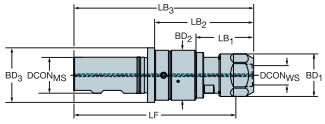
DSGN 1




2




5



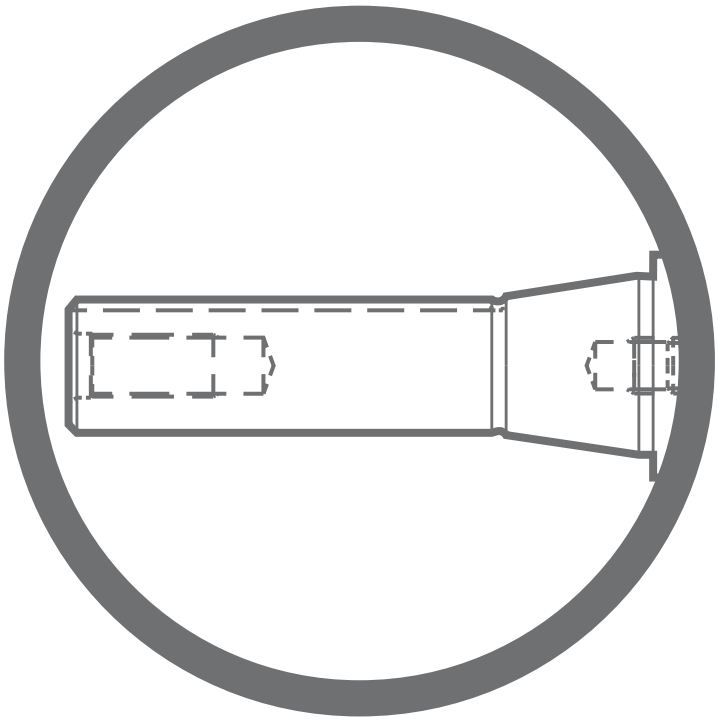

| | | | | | | | Dimensiones, mm | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | TRMAX | CNSC | CXSC | DSGN | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | BAR | KG | RPMX |
| 16 | ER11 | M5 | 1 | 1 | 2 | 970-WE16-11-052 | 16.0 | 11.3 | 44 | 91.5 | 25.2 | 96.4 | | 18.7 | 23.5 | | 80 | 0.18 | 8000 |
| 20 | ER11 | M5 | 1 | 1 | 5 | 970-WE20-11-052 | 20.0 | 11.3 | 50 | 97.8 | 25.2 | 48.6 | 102.7 | 18.7 | 23.5 | 28.5 | 80 | 0.22 | 8000 |
| | ER20 | M12 | 1 | 1 | 2 | 970-WE20-20-069 | 20.0 | 20.8 | 50 | 106.5 | 40.3 | 119.5 | | 33.7 | 34.6 | | 80 | 0.44 | 8000 |
| 25 | ER11 | M5 | 1 | 1 | 5 | 970-WE25-11-052 | 25.0 | 11.3 | 50 | 97.8 | 25.2 | 48.6 | 102.7 | 18.7 | 23.5 | 28.5 | 80 | 0.30 | 8000 |
| | ER20 | M12 | 1 | 1 | 2 | 970-WE25-20-069 | 25.0 | 20.8 | 50 | 106.5 | 40.1 | 119.5 | | 33.7 | 34.6 | | 80 | 0.47 | 8000 |
| | ER25 | M20 | 1 | 1 | 2 | 970-WE25-25-088 | 25.0 | 25.8 | 50 | 125.4 | 42.2 | 138.9 | | 41.7 | 44.0 | | 80 | 0.84 | 8000 |
| | ER40 | M30 | 1 | 1 | 1 | 970-WE25-40-117 | 25.0 | 40.8 | 50 | 151.4 | 167.9 | | | 63.0 | | | 80 | 2.10 | 8000 |
| 40 | ER50 | M48 | 1 | 1 | 5 | 970-WE40-50-164 | 40.0 | 52.0 | 70 | 211.8 | 78.5 | 134.8 | 234.3 | 78.0 | 80.0 | 86.0 | 80 | 5.20 | 8000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15 N5

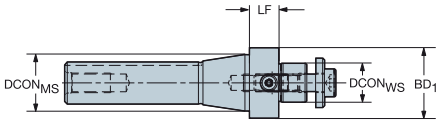
SPA

# Adaptador del lado de la máquina Bridgeport



# R8 (Bridgeport) a adaptador en eje



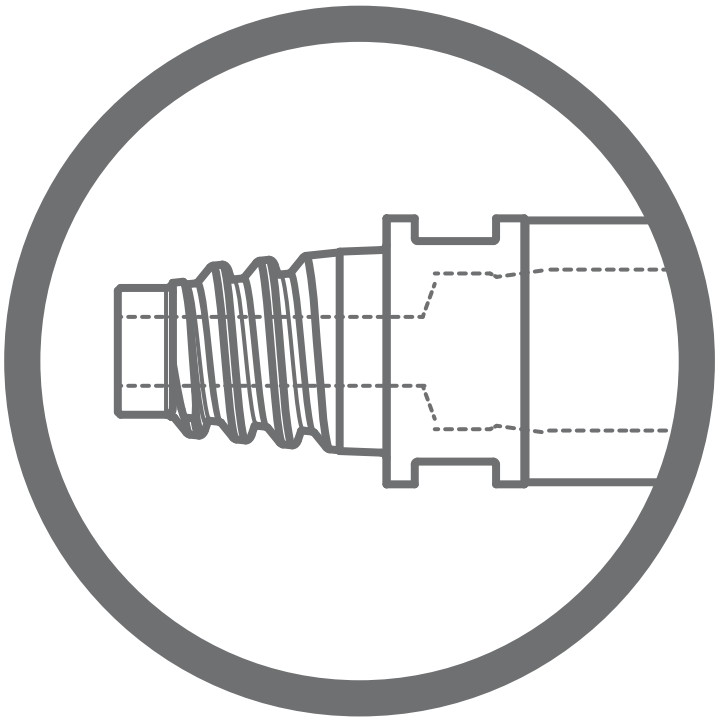



| | | | Dimensiones, mm | | | | | |
|---|---|---|---|---|---|---|---|---|
| CZC$_{MS}$ | CZC$_{WS}$ | **Código de pedido** | DCON$_{WS}$ | LF | BD$_1$ | NM | KG | RPMX |
| R8 | 22 | **392.R8.05-22 020** | 22.0 | 20.0 | 40.0 | 45.00 | 0.67 | 10000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

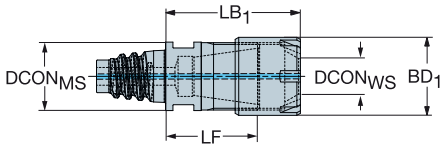
M1 N23 N15

# Adaptador de máquina Coromant EH



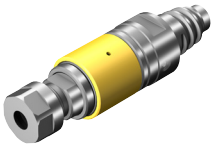
## Coromant EH a adaptador ER

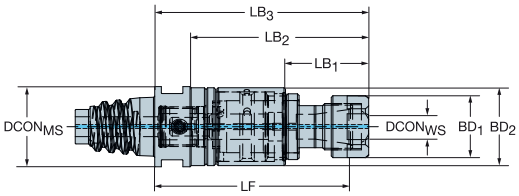





| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $BD_1$ | BAR | KG | RPMX |
| E12 | ER8 | 1 | 1 | **ER-EH12-08-024** | 11.7 | 8.5 | 18.0 | 24.0 | 12.0 | 80 | 0.03 | 40000 |
| E16 | ER11 | 1 | 1 | **ER-EH16-11-028** | 15.5 | 11.4 | 20.5 | 28.0 | 16.0 | 80 | 0.04 | 40000 |
| E20 | ER16 | 1 | 1 | **ER-EH20-16-038** | 19.3 | 17.0 | 26.5 | 38.0 | 22.0 | 80 | 0.08 | 40000 |
| E25 | ER20 | 1 | 1 | **ER-EH25-20-042** | 24.2 | 21.0 | 30.5 | 42.0 | 28.0 | 80 | 0.12 | 32000 |

## Coromant EH a CoroChuck™ 970

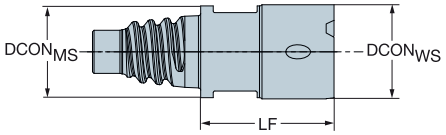





| | | | | | | Dimensiones, mm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | TRMAX | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | BAR | KG | RPMX |
| E25 | ER11 | M5 | 1 | 1 | **970-EH25-11-065** | 24.2 | 11.3 | 59.8 | 25.1 | 53.6 | 64.6 | 18.7 | 23.5 | 80 | 0.16 | 8000 |

## Adaptador Coromant EH a CoroMill® 327





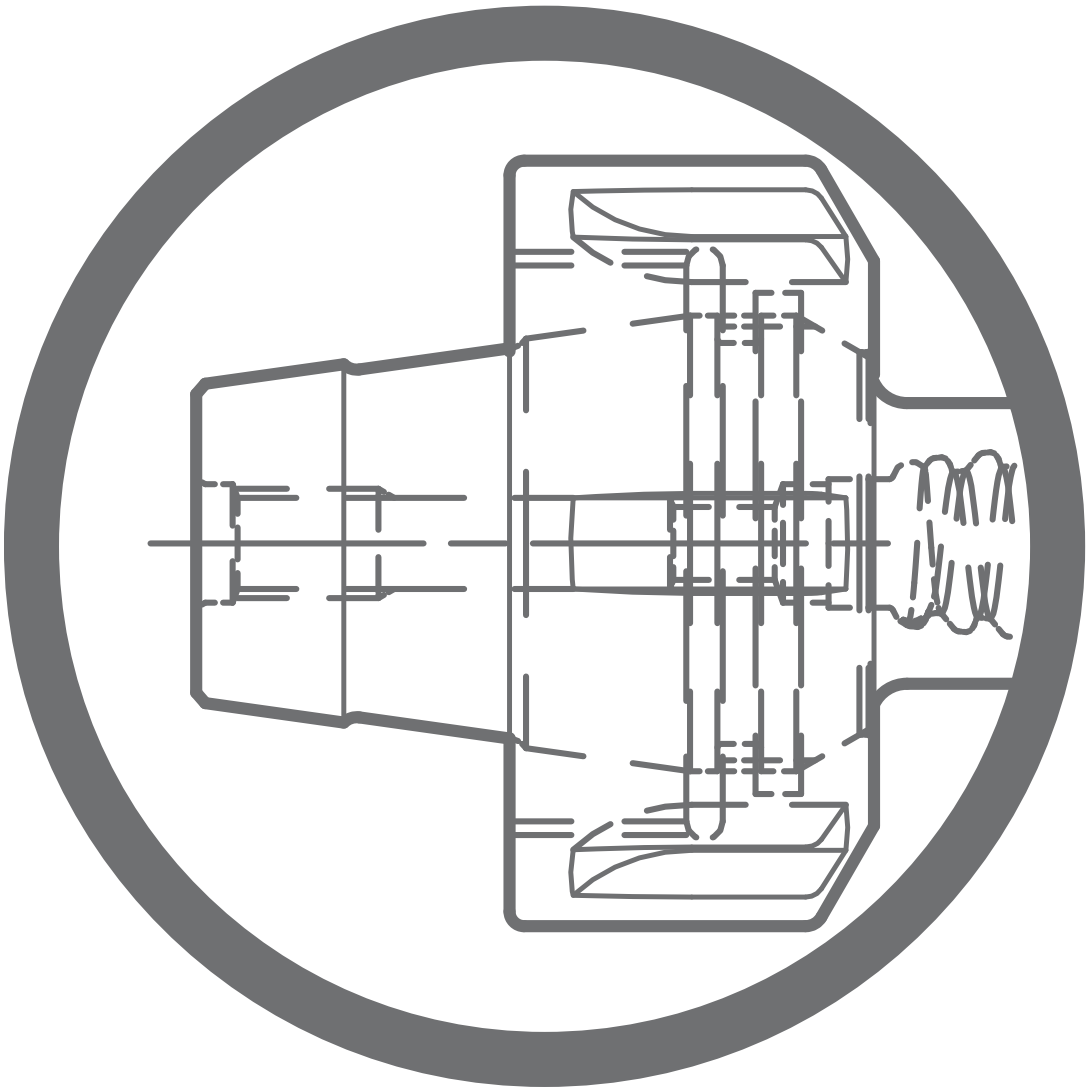

| | | | | | Dimensiones, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $BD_1$ | BAR | NM | KG | RPMX |
| E10 | 09 | 1 | 3 | **327-EH10-09-015** | 9.7 | 9.0 | 15.0 | 10.0 | 20 | 4.30 | 0.02 | 40000 |
| E12 | 12 | 1 | 3 | **327-EH12-12-017** | 11.7 | 12.0 | 17.0 | 12.0 | 20 | 6.50 | 0.02 | 40000 |
| | 14 | 1 | 3 | **327-EH12-14-017** | 11.7 | 14.3 | 17.0 | 14.3 | 20 | 6.50 | 0.01 | 40000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

N23 N6 N15 N3

SPA

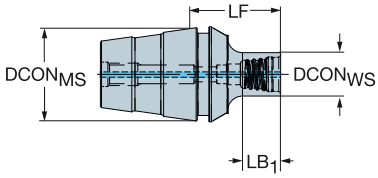
# Adaptador del lado de la máquina ER



# ER a adaptador Coromant EH

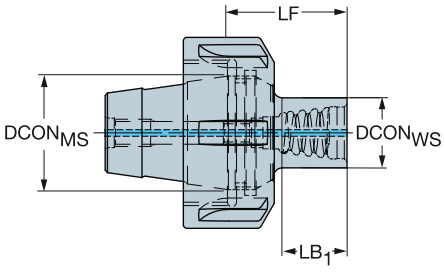
**Adaptador del lado de la máquina DIN 6499-B**






| CZC$_{MS}$ | CZC$_{WS}$ | CNSC | CXSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCON$_{WS}$ | LF | LB$_1$ | BAR | NM | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ER16 | E10 | 1 | 1 | EH-ER16-10-008 | 17.0 | 9.6 | 14.9 | 7.2 | 80 | 12.00 | 0.09 | 40000 |
| ER20 | E10 | 1 | 1 | EH-ER20-10-008 | 21.0 | 9.6 | 15.8 | 7.2 | 80 | 12.00 | 0.11 | 40000 |
| | E12 | 1 | 1 | EH-ER20-12-010 | 21.0 | 11.6 | 17.8 | 9.2 | 80 | 15.00 | 0.13 | 40000 |
| ER25 | E10 | 1 | 1 | EH-ER25-10-012 | 26.0 | 9.6 | 20.3 | 7.2 | 80 | 12.00 | 0.16 | 32000 |
| | E12 | 1 | 1 | EH-ER25-12-014 | 26.0 | 11.6 | 22.3 | 10.2 | 80 | 15.00 | 0.17 | 32000 |
| | E16 | 1 | 1 | EH-ER25-16-016 | 26.0 | 15.4 | 24.3 | 14.2 | 80 | 30.00 | 0.22 | 32000 |
| ER32 | E10 | 1 | 1 | EH-ER32-10-012 | 33.0 | 9.6 | 21.5 | 7.4 | 80 | 12.00 | 0.25 | 25000 |
| | E12 | 1 | 1 | EH-ER32-12-014 | 33.0 | 11.6 | 23.5 | 9.4 | 80 | 15.00 | 0.27 | 25000 |
| | E16 | 1 | 1 | EH-ER32-16-018 | 33.0 | 15.4 | 27.5 | 13.4 | 80 | 30.00 | 0.35 | 25000 |
| | E20 | 1 | 1 | EH-ER32-20-022 | 33.0 | 19.2 | 31.5 | 18.9 | 80 | 50.00 | 0.34 | 25000 |
| | E25 | 1 | 1 | EH-ER32-25-025 | 33.0 | 24.1 | 34.5 | 25.0 | 80 | 65.00 | 0.41 | 25000 |
| ER40 | E16 | 1 | 1 | EH-ER40-16-022 | 41.0 | 15.4 | 33.1 | 15.0 | 20 | | 0.51 | 20000 |
| | E20 | 1 | 1 | EH-ER40-20-025 | 41.0 | 19.2 | 36.1 | 19.0 | 20 | | 0.53 | 20000 |
| | E25 | 1 | 1 | EH-ER40-25-028 | 41.0 | 24.1 | 39.1 | 24.0 | 20 | | 0.58 | 20000 |






| CZC$_{MS}$ | CZC$_{WS}$ | CNSC | CXSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCON$_{WS}$ | LF | LB$_1$ | BAR | NM | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ER11 | E10 | 1 | 1 | 392.EREH-11 10 008 | 11.4 | 9.6 | 16.8 | 8.0 | 80 | 12.00 | 0.09 | 40000 |
| ER16 | E12 | 1 | 1 | 392.EREH-16 12 010 | 17.0 | 11.6 | 20.5 | 10.0 | 80 | 15.00 | 0.16 | 40000 |
| ER20 | E16 | 1 | 1 | 392.EREH-20 16 014 | 21.0 | 15.4 | 24.1 | 14.0 | 80 | 30.00 | 0.27 | 40000 |
| ER25 | E20 | 1 | 1 | 392.EREH-25 20 019 | 26.0 | 19.2 | 29.1 | 19.0 | 80 | 50.00 | 0.36 | 40000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15 N3

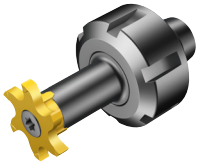


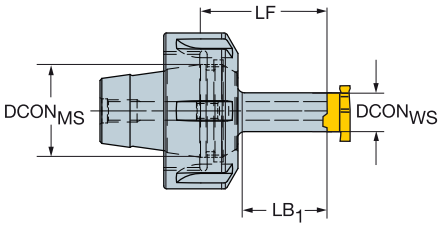
SANDVIK Coromant

SPA

# ER a adaptador CoroMill® 327

**Adaptador del lado de la máquina DIN 6499-B**



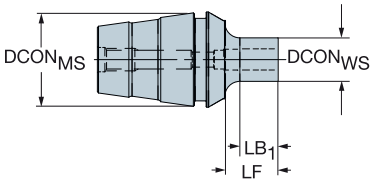



| | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $BD_1$ | NM | KG | RPMX |
| ER11 | 09 | **392.ER327-11 09 022** | 11.4 | 9.0 | 25.0 | 16.0 | 9.0 | 4.30 | 0.07 | 40000 |
| ER16 | 09 | **392.ER327-16 09 022** | 17.0 | 9.0 | 26.8 | 16.2 | 9.0 | 4.30 | 0.15 | 40000 |
| | 12 | **392.ER327-16 12 030** | 17.0 | 12.0 | 34.8 | 24.3 | 12.0 | 6.50 | 0.22 | 40000 |
| ER20 | 12 | **392.ER327-20 12 030** | 21.0 | 12.0 | 34.7 | 24.8 | 12.0 | 6.50 | 0.25 | 40000 |
| | 14 | **392.ER327-20 14 035** | 21.0 | 14.3 | 38.9 | 28.8 | 14.0 | 6.50 | 0.27 | 40000 |
| ER32 | 14 | **392.ER327-32 14 035** | 33.0 | 14.3 | 41.3 | 28.8 | 14.0 | 6.50 | 0.50 | 25000 |

**Nota.**

La tuerca no es una tuerca ER estándar y, por tanto, no es intercambiable con las piezas de repuesto de la Serie 5533 050-0X. La tuerca se incluye siempre en el paquete.





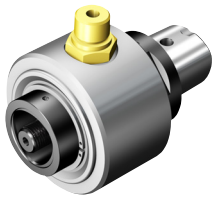

| | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $BD_1$ | NM | KG | RPMX |
| ER11 | 06 | **327-ER11-06-016** | 11.4 | 6.0 | 17.5 | 12.8 | 6.0 | 1.80 | 0.03 | 40000 |
| ER20 | 09 | **327-ER20-09-022** | 21.0 | 9.0 | 24.7 | 16.5 | 9.0 | 4.30 | 0.09 | 40000 |
| ER25 | 09 | **327-ER25-09-022** | 26.0 | 9.0 | 25.2 | 16.5 | 9.0 | 4.30 | 0.13 | 32000 |
| | 12 | **327-ER25-12-030** | 26.0 | 12.0 | 33.2 | 24.6 | 12.0 | 6.50 | 0.22 | 32000 |
| | 14 | **327-ER25-14-019** | 26.0 | 14.3 | 22.9 | 14.3 | 14.0 | 6.50 | 0.21 | 32000 |
| | 14 | **327-ER25-14-035** | 26.0 | 14.3 | 37.4 | 28.8 | 14.0 | 6.50 | 0.23 | 32000 |
| ER32 | 12 | **327-ER32-12-030** | 33.0 | 12.0 | 34.2 | 24.6 | 12.0 | 6.50 | 0.31 | 25000 |
| | 14 | **327-ER32-14-019** | 33.0 | 14.3 | 23.9 | 14.3 | 14.0 | 6.50 | 0.30 | 25000 |

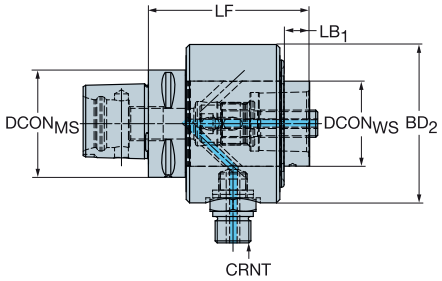
Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23

# Coromant Capto® adaptador de reducción

**Inductor de refrigerante**



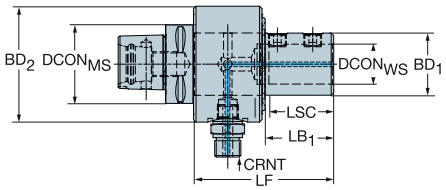



| CZCMS | CZCWS | CNSC | CXSC | Código de pedido | Dimensiones, mm DCONMS | DCONWS | LF | LB1 | BD2 | CRNT | BAR | NM | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C5 | C4 | 2 | 1 | C5-391.02CCH-40 090 | 50.0 | 40.0 | 90.0 | 16.5 | 78.0 | G 3/8" | 18 | 55.00 | 1.96 | 6300 |
| C6 | C5 | 2 | 1 | C6-391.02CCH-50 095 | 63.0 | 50.0 | 95.0 | 15.0 | 93.0 | G 1/2" | 18 | 95.00 | 1.60 | 4300 |
| C8 | C6 | 2 | 1 | C8-391.02CCH-63 110 | 80.0 | 63.0 | 110.0 | 15.0 | 108.0 | G 1/2" | 18 | 170.00 | 4.77 | 3300 |

# Coromant Capto® a ISO 9766, adaptador

**Inductor de refrigerante**






| CZCMS | CZCWS | CNSC | CXSC | Código de pedido | Dimensiones, mm DCONMS | DCONWS | LSC | LF | LB1 | BD1 | BD2 | CRNT | BAR | NM | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C5 | 20 | 2 | 1 | C5-391.27CCH-20 120 | 50.0 | 20.0 | 51 | 120.0 | 46.5 | 40.0 | 78.0 | G 3/8" | 18 | 12.00 | 2.27 | 6300 |
| | 25 | 2 | 1 | C5-391.27CCH-25 135 | 50.0 | 25.0 | 57 | 135.0 | 49.7 | 45.0 | 93.0 | G 1/2" | 18 | 20 | 3.16 | 5300 |
| C6 | 32 | 2 | 1 | C6-391.27CCH-32 135 | 63.0 | 32.0 | 61 | 135.0 | 55.0 | 50.0 | 93.0 | G 1/2" | 18 | 30 | 3.41 | 5300 |
| C8 | 40 | 2 | 1 | C8-391.27CCH-40 155 | 80.0 | 40.0 | 71 | 155.0 | 63.5 | 65.0 | 108.0 | G 1/2" | 18 | 40 | 5.75 | 4000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

# Silent Tools®

## Adaptadores con un mecanismo antivibratorio

### Aplicación

- En operaciones con voladizos largos
- Incremento de la productividad y mejora de la calidad superficial en voladizos cortos



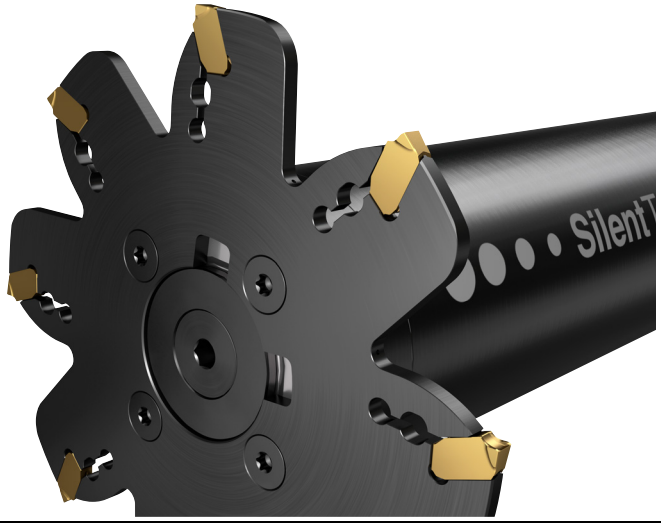

SilentTools®

### Minimizar las vibraciones con voladizos largos superiores a 3×D

Los adaptadores antivibratorios Silent Tools minimizan las vibraciones a través de un amortiguador situado en el interior de la herramienta que aporta una buena productividad y tolerancias estrechas incluso con voladizos largos

### Mandrinado

Encontrarse con problemas derivados de la vibración en operaciones como el mandrinado, especialmente cuando se mecaniza con voladizos grandes, es algo frecuente. La vibración puede dar lugar a una calidad superficial deficiente, poca precisión, baja productividad, mayor desgaste de la plaquita y de la máquina-herramienta, además de ruido. Por ello, solucionar los problemas derivados de las vibraciones siempre aumentará su productividad.



### Fresado

En muchos centros de mecanizado, tanto la pieza como la máquina-herramienta requieren conjuntos de herramienta largos para garantizar el alcance en las piezas grandes. El riesgo de que se produzcan vibraciones es alto y las soluciones habituales son mecanizar despacio o aplicar herramientas antivibratorias. Gracias a los adaptadores de fresado Silent Tools, se eliminan las vibraciones, se incrementa la velocidad de mecanizado y se mejora la seguridad del proceso. Las herramientas Silent Tools para fresado impulsan la productividad.

www.sandvik.coromant.com/silenttools



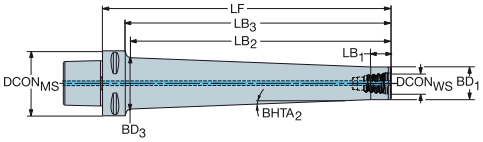

El sistema amortiguador consiste de una masa pesada, sostenida en elementos de resorte de goma

# Coromant Capto® a adaptador amortiguado Coromant EH

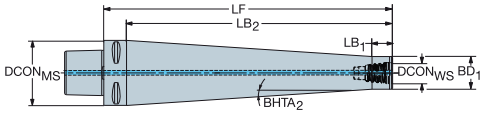


SilentTools®

DSGN 12




7




| | | | | | | Dimensiones, mm | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $LB_4$ | $BD_1$ | $BD_3$ | $BD_4$ | $BHTA_2$ | $BHTA_3$ | BAR | NM | KG | RPMX |
| C4 | E16 | 3 | 1 | 12 | **C4-EH16D-175** | 40.0 | 15.4 | 175.0 | 3.0 | 150.0 | 155.0 | 175.0 | 19.5 | 29.7 | 40.0 | 2° | 45° | 70 | 30.00 | 1.05 | 15000 |
| C5 | E20 | 3 | 1 | 12 | **C5-EH20D-185** | 50.0 | 19.2 | 185.0 | 3.0 | 159.0 | 165.0 | 185.0 | 24.0 | 33.8 | 50.0 | 1° | 53° | 70 | 50.00 | 1.53 | 15000 |
| | E25 | 3 | 1 | 7 | **C5-EH25D-280** | 50.0 | 24.1 | 280.0 | 20.0 | 260.0 | 280.0 | | 31.7 | 50.0 | | 2° | 0° | 70 | 65.00 | 5.29 | 10000 |
| C6 | E25 | 3 | 1 | 12 | **C6-EH25D-280** | 63.0 | 24.1 | 280.0 | 20.0 | 252.0 | 258.0 | 280.0 | 31.7 | 49.7 | 63.0 | 2° | 67° | 70 | 65.00 | 5.68 | 10000 |
| | E25 | 3 | 1 | 12 | **C6-EH25D-340** | 63.0 | 24.1 | 340.0 | 20.0 | 313.0 | 317.8 | 340.0 | 31.7 | 54.7 | 63.0 | 2° | 61° | 70 | 65.00 | 7.00 | 8000 |
| C8 | E25 | 3 | 1 | 12 | **C8-EH25D-420** | 80.0 | 24.1 | 420.0 | 8.0 | 384.0 | 390.0 | 420.0 | 31.7 | 61.7 | 80.0 | 2° | 71° | 70 | 65.00 | 10.61 | 6000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

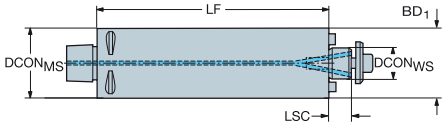
N23 N15 N3

SPA

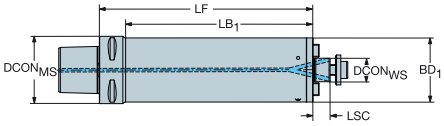
# Coromant Capto®  a adaptador para árbol antivibratorio



DSGN 1




2

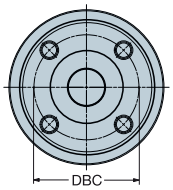


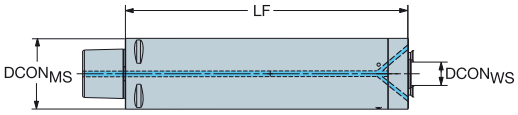

SilentTools®

| | | | | | | Dimensiones, mm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | DSGN | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $LB_1$ | $LB_2$ | $BD_1$ | $BD_2$ | BAR | NM | KG | RPMX |
| C4 | 16 | 3 | 4 | 2 | C4-Q16D-038-130 | 40.0 | 16.0 | 11 | 130.0 | 107.8 | 130.0 | 38.0 | 40.0 | 70 | 22.00 | 1.62 | 16000 |
| | 16 | 3 | 4 | 2 | C4-Q16D-038-200 | 40.0 | 16.0 | 11 | 200.0 | 177.8 | 200.0 | 38.0 | 40.0 | 70 | 22.00 | 2.32 | 8000 |
| C5 | 22 | 3 | 4 | 2 | C5-Q22D-048-180 | 50.0 | 22.0 | 16 | 180.0 | 157.6 | 180.0 | 47.5 | 50.0 | 70 | 45.00 | 3.22 | 14000 |
| | 22 | 3 | 4 | 2 | C5-Q22D-048-220 | 50.0 | 22.0 | 16 | 220.0 | 197.6 | 220.0 | 47.5 | 50.0 | 70 | 45.00 | 6.04 | 11000 |
| | 22 | 3 | 4 | 2 | C5-Q22D-048-270 | 50.0 | 22.0 | 16 | 270.0 | 247.6 | 270.0 | 47.5 | 50.0 | 70 | 45.00 | 6.85 | 7000 |
| C6 | 22 | 3 | 4 | 2 | C6-Q22D-060-200 | 63.0 | 22.0 | 16 | 200.0 | 175.4 | 200.0 | 60.0 | 63.0 | 70 | 45.00 | 8.05 | 15000 |
| | 22 | 3 | 4 | 2 | C6-Q22D-060-260 | 63.0 | 22.0 | 16 | 260.0 | 235.4 | 260.0 | 60.0 | 63.0 | 70 | 45.00 | 9.29 | 11000 |
| | 22 | 3 | 4 | 2 | C6-Q22D-060-310 | 63.0 | 22.0 | 16 | 310.0 | 285.4 | 310.0 | 60.0 | 63.0 | 70 | 45.00 | 10.86 | 6000 |
| | 27 | 3 | 4 | 1 | C6-Q27D-063-200 | 63.0 | 27.0 | 18 | 200.0 | 200.0 | | 63.0 | | 70 | 80.00 | 8.54 | 11000 |
| | 27 | 3 | 4 | 1 | C6-Q27D-063-260 | 63.0 | 27.0 | 18 | 260.0 | 260.0 | | 63.0 | | 70 | 80.00 | 9.88 | 8000 |
| | 27 | 3 | 4 | 1 | C6-Q27D-063-310 | 63.0 | 27.0 | 18 | 310.0 | 310.0 | | 63.0 | | 70 | 80.00 | 11.57 | 5000 |
| C8 | 27 | 3 | 4 | 2 | C8-Q27D-076-220 | 80.0 | 27.0 | 18 | 220.0 | 187.2 | 220.0 | 76.0 | 80.0 | 70 | 80.00 | 12.92 | 12000 |
| | 27 | 3 | 4 | 2 | C8-Q27D-076-320 | 80.0 | 27.0 | 18 | 320.0 | 287.2 | 320.0 | 76.0 | 80.0 | 70 | 80.00 | 13.40 | 8000 |
| | 27 | 3 | 4 | 2 | C8-Q27D-076-360 | 80.0 | 27.0 | 18 | 360.0 | 327.2 | 360.0 | 76.0 | 80.0 | 70 | 80.00 | 18.20 | 6000 |
| | 32 | 3 | 4 | 1 | C8-Q32D-080-220 | 80.0 | 32.0 | 20 | 220.0 | 220.0 | | 80.0 | | 70 | 180.00 | 13.73 | 10000 |
| | 32 | 3 | 4 | 1 | C8-Q32D-080-320 | 80.0 | 32.0 | 20 | 320.0 | 320.0 | | 80.0 | | 70 | 180.00 | 18.00 | 6000 |
| | 32 | 3 | 4 | 1 | C8-Q32D-080-360 | 80.0 | 32.0 | 20 | 360.0 | 360.0 | | 80.0 | | 70 | 180.00 | 19.60 | 4000 |
| C10 | 32 | 3 | 4 | 2 | C10-Q32D-095-400 | 100.0 | 32.0 | 20 | 400.0 | 361.0 | 400.0 | 95.0 | 100.0 | 70 | 180.00 | 30.00 | 5000 |
| | 40 | 3 | 4 | 1 | C10-Q40D-100-400 | 100.0 | 40.0 | 23 | 400.0 | 400.0 | | 100.0 | | 70 | 300.00 | 28.30 | 5000 |

# Coromant Capto®  a eje, con adaptador antivibratorio de tornillos de transmisión






SilentTools®

**Para CoroMill® QD con suministro de refrigerante interior**

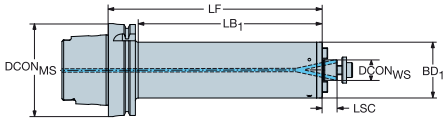
| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | DBC | $DCON_{WS}$ | LSC | LF | BAR | NM | KG |
| C3 | X10 | 3 | 4 | C3-X10D-032-128 | 32.0 | 22.0 | 10.0 | 2 | 128.0 | 70 | 6.40 | 1.10 |
| C4 | X22 | 3 | 3 | C4-X22D-040-160 | 40.0 | 32.0 | 22.0 | 2 | 160.0 | 70 | 3.90 | 1.92 |
| C6 | X32 | 3 | 3 | C6-X32D-063-252 | 63.0 | 45.0 | 32.0 | 2 | 252.0 | 70 | 6.40 | 9.30 |
| C8 | X40 | 3 | 3 | C8-X40D-080-320 | 80.0 | 63.0 | 40.0 | 2 | 320.0 | 70 | 70.00 | 17.45 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

# HSK a eje, adaptador antivibratorio






SilentTools®

| CZC$_{MS}$ | CZC$_{WS}$ | CNSC | CXSC | Código de pedido | Dimensiones, mm DCON$_{MS}$ | DCON$_{WS}$ | LSC | LF | LB$_1$ | BD$_1$ | BAR | NM | KG | RPMX |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 63 | 16 | 1 | 4 | **HA06-Q16D-038-160** | 63.0 | 16.0 | 11 | 160.0 | 131.0 | 38.0 | 70 | 22.00 | 4.35 | 16000 |
| | 16 | 1 | 4 | **HA06-Q16D-038-230** | 63.0 | 16.0 | 11 | 230.0 | 201.0 | 38.0 | 70 | 22.00 | 5.06 | 8000 |
| | 22 | 1 | 4 | **HA06-Q22D-048-210** | 63.0 | 22.0 | 16 | 210.0 | 181.0 | 47.5 | 70 | 45.00 | 6.10 | 8000 |
| | 22 | 1 | 4 | **HA06-Q22D-048-260** | 63.0 | 22.0 | 16 | 260.0 | 231.0 | 47.5 | 70 | 45.00 | 6.89 | 5000 |
| 100 | 22 | 1 | 4 | **HA10-Q22D-048-213** | 100.0 | 22.0 | 16 | 213.0 | 181.0 | 47.5 | 70 | 45.00 | 7.68 | 14000 |
| | 22 | 1 | 4 | **HA10-Q22D-048-263** | 100.0 | 22.0 | 16 | 263.0 | 231.0 | 47.5 | 70 | 45.00 | 8.55 | 9000 |
| | 22 | 1 | 4 | **HA10-Q22D-060-230** | 100.0 | 22.0 | 16 | 230.0 | 198.0 | 60.0 | 70 | 45.00 | 9.78 | 14000 |
| | 22 | 1 | 4 | **HA10-Q22D-060-340** | 100.0 | 22.0 | 16 | 340.0 | 308.0 | 60.0 | 70 | 45.00 | 12.96 | 7000 |
| | 27 | 1 | 4 | **HA10-Q27D-076-250** | 100.0 | 27.0 | 18 | 250.0 | 218.0 | 76.0 | 70 | 80.00 | 14.13 | 10000 |
| | 27 | 1 | 4 | **HA10-Q27D-076-390** | 100.0 | 27.0 | 18 | 390.0 | 358.0 | 76.0 | 70 | 80.00 | 20.00 | 5000 |
| | 32 | 1 | 4 | **HA10-Q32D-080-250** | 100.0 | 32.0 | 20 | 250.0 | 218.0 | 80.0 | 70 | 180.00 | 15.30 | 10000 |
| | 32 | 1 | 4 | **HA10-Q32D-080-390** | 100.0 | 32.0 | 20 | 390.0 | 358.0 | 80.0 | 70 | 180.00 | 21.07 | 5000 |

Para obtener información sobre piezas de repuesto, visite www.sandvik.coromant.com/es

M1 N23 N15

# Piezas de repuesto


## Coromant Capto® M2

Fijación de montaje M3
Carrito de herramientas para Coromant Capto® M4
Cartuchos (alojamiento poligonal) M5
Mecanismo de bloqueo para cartuchos M6
Artículo de montaje M7-M9
Valor de par de apriete M10

## HSK

Artículo de montaje M11

## Accesorio para CoroBore®

Unidad de medición previa Corobore® XL M12
Juego de placas de apoyo M12

## En eje

Tornillos centrales de montaje con agujero para el refrigerante M13
Anillos espaciadores M14

## Manguitos y pinzas

Manguitos cilíndricos M15-M18
Extractor para manguitos cilíndricos M18
Manguito cilíndrico con adaptador de bloqueo mecánico M19
Manguito excéntrico M20
Pinza Schaublin M21
Pinza ER para mangos de machos M24
Discos de sellado para pinza ER M25
Manguito para cabeza de mandrinado de precisión M26
Artículo de montaje M27

## Adaptadores

Corredera a broca, adaptador ajustable M28
VL M28

## Llaves y llaves dinamométricas

Herramientas de montaje M29
Llave dinamométrica Torx Plus® M32

## Tirantes de tracción M33-M34

# Coromant Capto®

## Tres sistemas en uno

### Aplicación

- Coromant Capto se puede utilizar en todo tipo de máquinas:
- Centros de torneado: cambio rápido y suministro de refrigerante de alta presión.
- Máquinas multitarea y centros de mecanizado: acoplamiento de husillo giratorio, herramientas modulares y cambio rápido.
- Disponible en seis tamaños, Coromant Capto tiene una solución para cada una de sus necesidades: C3-C10



### Ventajas y características

- Gran versatilidad y modularidad
- Alta precisión y estabilidad básica
- Inventario de herramientas minimizado
- Menos tiempo de configuración
- Buena transmisión del par torsor
- Alta resistencia a la flexión
- Cambio rápido y automatizado de la herramienta
- Tecnología de boquilla avanzada para una mayor seguridad del proceso incluso a baja presión
- Aplicación de refrigerante interior de alta presión desde la máquina hasta el filo de corte
- Equilibrado y concéntrico
- Autocentrado

www.sandvik.coromant.com/coromantcapto

### Cambio rápido

- Centros de torneado
- Tornos verticales

Portaherramientas accionados y unidades de sujeción Coromant Capto que reducen el tiempo de reglaje y de cambio de la herramienta para ofrecer un máximo aprovechamiento de la máquina.

### Husillo integrado

- Máquinas multitarea
- Tornos verticales
- Centros de mecanizado con opción de torneado

Coromant Capto integrado en el husillo aporta estabilidad y versatilidad.

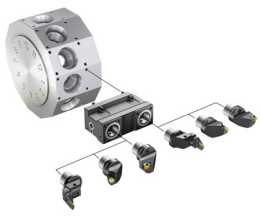
### Sistema modular

- Centros de mecanizado
- Máquinas multitarea
- Tornos verticales

Los adaptadores del lado de la máquina Coromant Capto combinados con adaptadores de extensión y reducción permiten montar herramientas con diferentes longitudes y diseños, indistintamente del adaptador de la máquina.

### Gama Coromant Capto®

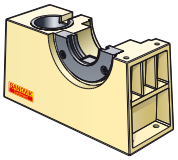
El programa Coromant Capto incluye adaptadores del lado de la máquina, unidades de sujeción, portaherramientas, herramientas de corte integradas, adaptadores y adaptadores portapinzas.



# Fijación de montaje

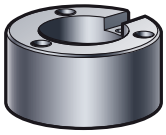
**Cuerpo de fijación**
**Código de pedido:**

**391.500**



**Elemento de sujeción para manguitos**
**Código de pedido:**

**391.501**



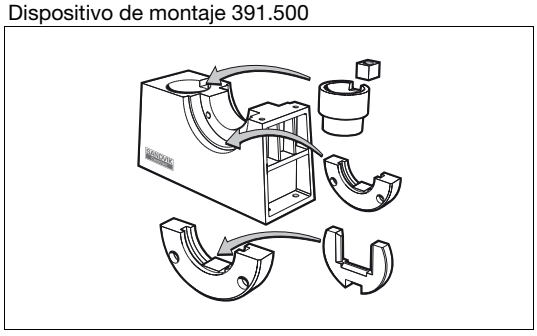
| Código de pedido | |
|---|---|
|  | |
| **Manguito** | **Tipo de mango, tamaño** |
| **391.540-C3** | Coromant Capto tamaño C3 |
| **391.540-C4** | Coromant Capto tamaño C4 |
| **391.540-C5** | Coromant Capto tamaño C5 |
| **391.540-C6** | Coromant Capto tamaño C6 |
| **391.540-C8** | Coromant Capto tamaño C8 |
| **391.540-C10** | Coromant Capto tamaño C10 |
| **391.540-HA04** | HSK 40 Forma A/C |
| **391.540-HA05** | HSK 50 Forma A/C |
| **391.540-HA06** | HSK 63 Forma A/C |
| **391.540-HA08** | HSK 80 Forma A/C |
| **391.540-HA10** | HSK 100 Forma A/C |
| **391.540-30** | MAS-BT/CAT/ISO 30 |
| **391.540-40** | MAS-BT/CAT/ISO 40 |
| **391.540-50** | MAS-BT/CAT/ISO 50 |

| Código de pedido | | |
|---|---|---|
|  |  | |
| **Brida** | **Anillo** | **Tipo de mango, tamaño** |
| **391.510-140 50** | **391.530-C3** | Coromant Capto tamaño C3 |
| **391.510-140 50** | **391.530-C4** | Coromant Capto tamaño C4 |
| **391.510-140 50** | **391.530-C5** | Coromant Capto tamaño C5 |
| **391.510-140 50** | **391.530-C6** | Coromant Capto tamaño C6 |
| **391.510-140 50** | **391.530-C8** | Coromant Capto tamaño C8 |
| | **391.530-C10*** | Coromant Capto tamaño C10 |
| **391.510-HA04** | | HSK 40 Forma A |
| **391.510-HA05** | | HSK 50 Forma A |
| **391.510-HA06** | | HSK 63 Forma A |
| **391.510-HA08** | | HSK 80 Forma A |
| **391.510-HA10** | | HSK 100 Forma A |
| **391.510-HA12** | | HSK 125 Forma A |
| **391.510-55 30** | | MAS-BT 30 |
| **391.510-55 40** | | MAS-BT 40 |
| **391.510-55 50** | | MAS-BT 50 |
| **391.510-562-40** | | BIG-PLUS, MAS-BT 40 |
| **391.510-562-50** | | BIG-PLUS, MAS-BT 50 |
| **391.510-140 40** | | DIN 69871/40, ANSIB 5.50-40. ISO7388/1-40, CAT 40 |
| **391.510-140 50** | | DIN 69871/50, ANSIB 5.50-40. ISO7388/1-50, CAT 50 |
| **391.510-540 40** | | BIG-PLUS DIN69871/1-40, BIG-PLUS 7388/1-40, CAT 40 |
| **391.510-540 50** | | BIG-PLUS DIN69871/1-50, BIG-PLUS 7388/1-50, CAT 50 |
| **391.510-00 40** | | DIN 2080-40/NMTB 40 |
| **391.510-00 50** | | DIN 2080-50/NMTB 50 |
| **A391.510-45 40** | | ANSIB 5.50-2009, CAT-V 40-2009 |
| **A391.510-45 50** | | ANSIB 5.50-2009, CAT-V 50-2009 |
| **A391.510-545 40** | | BIG-PLUS ANSIB 5.50-2009, CAT-V 40-2009 |
| **A391.510-545 50** | | BIG-PLUS ANSIB 5.50-2009, CAT-V 50-2009 |
| **391.510-140 50** | **391.530-970-11** | CoroChuck 970, ER11 |
| **391.510-140 50** | **391.530-970-20** | CoroChuck 970, ER20 |
| **391.510-140 50** | **391.530-970-25** | CoroChuck 970, ER25 |
| **391.510-140 50** | **391.530-970-32** | CoroChuck 970, ER32 |
| **391.510-140 50** | **391.530-970-40** | CoroChuck 970, ER40 |

Nota: la llave se suministra con el manguito.

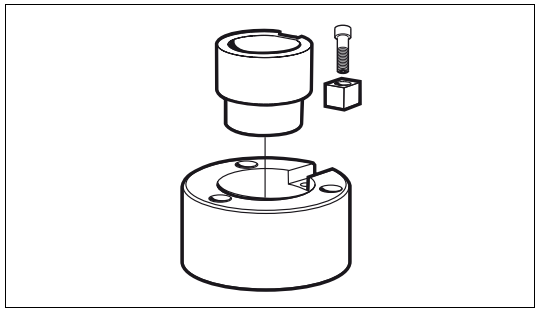
*Cuello y brida combinados

Dispositivo de montaje 391.500



Elija brida, anillo y manguito para facilitar el montaje de la herramienta.

Fijación 391.501 para el mantenimiento de las herramientas con acoplamientos Coromant Capto y HSK



Seleccione el manguito adecuado para el acoplamiento.
Es conveniente sujetar la fijación al banco con tres tornillos de cabeza hexagonal (no se incluyen en la fijación)

# Carrito de herramientas para Coromant Capto®

**Herramientas de cambio rápido**



1. Porta-bandejas de herramientas específicas
2. Bandejas de herramientas
3. Portaherramientas moldeados (Deben pedirse por separado)

| Código de pedido | El kit se compone de: | | |
|---|---|---|---|
| CCW-KIT | TC-0 | 4 piezas | Bandejas de herramientas |
| | TCC-2 | 4 pares | Marco de soporte para bandejas de herramientas |

Para pedir un carrito completo, 1 unidad CCW-KIT + portaherramientas

Las bandejas de herramientas y los soportes de las bandejas pueden adquirirse por separado, como accesorios.

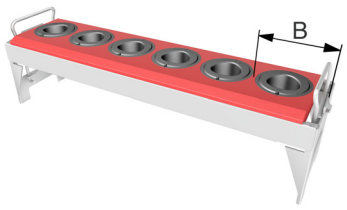
# Soporte de sobremesa



| Código de pedido |
|---|
| BS-KIT |

No hay códigos de accesorios para el banco.

# Portaherramientas moldeados - deben pedirse por separado

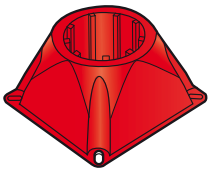


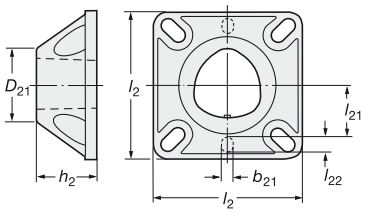

| Código de pedido | Anchura (B), mm | Número máx. de portaherramientas |
|---|---|---|
| C3-IC-1 | 58 | C3 = 9 |
| C4-IC-1 | 58 | C4 = 9 |
| C5-IC-1 | 65.5 | C5 = 8 |
| C6-IC-1 | 81.5 | C6 = 6 |
| C8-IC-1 | 105 | C8 = 5 |
| C10-IC-1 | 120 | C10 = 4 |

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# Cartuchos (alojamiento poligonal)

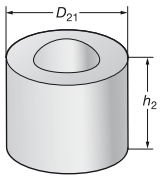
**Coromant Capto®**



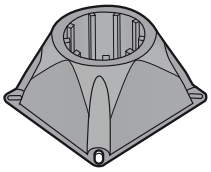


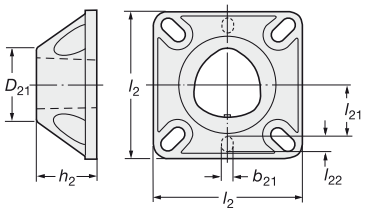

**-4000**
Cartuchos de almacenamiento de plástico (rojo)

**-6000-B**




**Piezas en bruto para cartuchos de aluminio**



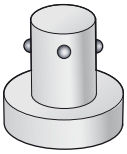


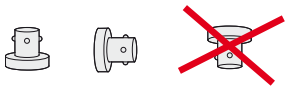

**-5000**
Plástico de alta calidad, almacenamiento dentro de la máquina (negro)

| Tamaño del acoplamiento | Código de pedido | Dimensiones, mm | | | | | | Todos los cartuchos de plástico son compatibles con agujeros de 17 mm, 20 mm, 25 mm y 1''. |
|---|---|---|---|---|---|---|---|---|
| | | | $b_{21}$ | $D_{21}$ | $h_2$ | $l_2$ | $l_{21}$ | |
| C3 | **C3-C-4000** | - | 32 | 26 | 65 | - | - | Plástico de alta calidad. Color rojo. Para utilizar:<br>– solo para almacenamiento vertical<br>– con mecanismo tipo PL-01 para posición horizontal o vertical. |
| C4 | **C4-C-4000** | 6 | 50 | 39 | 74 | 26 | 8 | |
| C5 | **C5-C-4000** | 6 | 50 | 39 | 74 | 26 | 8 | |
| C6 | **C6-C-4000** | 8 | 80 | 63 | 116 | 41 | 10 | |
| C8 | **C8-C-4000** | 8 | 80 | 63 | 116 | 41 | 10 | |
| C4 | **C4-C-5000** | 6 | 50 | 39 | 74 | 26 | 8 | Plástico negro reforzado de alta calidad. Para almacenamiento de las herramientas en la máquina con mecanismo AL-01. |
| C5 | **C5-C-5000** | 6 | 50 | 39 | 74 | 26 | 8 | |
| C6 | **C6-C-5000** | 8 | 80 | 63 | 116 | 41 | 10 | |
| C8 | **C8-C-5000** | 8 | 80 | 63 | 116 | 41 | 10 | |
| C10 | **C10-C-5000** | 8 | 100 | 80 | 150 | 60 | 68 | |
| C6 | **C6-C-6000-B** | - | 120 | 63 | - | - | - | Piezas en bruto para cartuchos de aluminio para adaptación individual. Para utilizar con AL-01. |
| C8 | **C8-C-6000-B** | | 120 | 63 | - | - | - | |
| C10 | **C10-C-6000-B** | | 138 | 80 | - | - | - | |

# Mecanismo de bloqueo para cartuchos

**-PL**

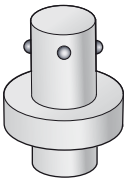


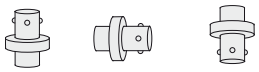


**Mecanismo de bloqueo pasivo**

Para almacenamiento vertical hacia arriba y almacenamiento horizontal.
NUNCA hacia abajo.

**-AL**





**Mecanismo de bloqueo activo**

Para almacenamiento en cualquier ángulo: vertical hacia arriba o hacia abajo, u horizontal.

| CZC | **Código de pedido** | Fuerza de tracción, N | |
|---|---|---|---|
| C4 | **C4-PL-01** | 55 | Mecanismo de bloqueo central pasivo. Sujeción accionada por efecto elástico. Encaja directamente en todos los cartuchos tipo 4000. |
| C5 | **C5-PL-01** | 120 | |
| C6 | **C6-PL-01** | 150 | |
| C8 | **C8-PL-01** | 240 | |

| CZC | **Código de pedido** | Peso máx. de herramienta, rec. Kg | |
|---|---|---|---|
| C4 | **C4-AL-01** | 40 | Mecanismo de bloqueo activo, acción de empuje mecánica. Se acopla directamente en todos los cartuchos tipo 5000/6000. |
| C5 | **C5-AL-01** | 60 | |
| C6 | **C6-AL-01** | 75 | |
| C8 | **C8-AL-01** | 110 | |
| C10 | **C10-AL-01** | 150 | |

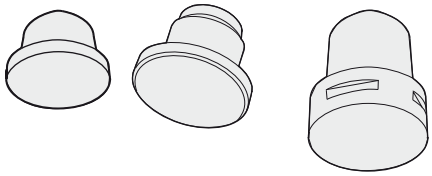
| CZC | **Código de pedido** | Peso máx. de herramienta, rec. Kg | |
|---|---|---|---|
| C6 | **C6-AL-02** | 75 | Mecanismo de bloqueo activo, acción de empuje mecánica. Se acopla directamente en todos los cartuchos tipo 5000/6000. |
| C8 | **C8-AL-02** | 110 | |
| | | | |
| | | | |

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# Artículo de montaje

## Tapón

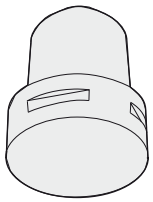
CP-11 CP-01 CPA-01



| Tamaño del acoplamiento | **Código de pedido** | | |
|---|---|---|---|
| | Unidad manual | Unidad automática | Tipo 3000 |
| C3 | C3-CP-01 | - | **C3-CP-11** |
| C4 | C4-CP-01 | **C4-CPA-01** | **C4-CP-11** |
| C5 | C5-CP-01 | **C5-CPA-01** | **C5-CP-11** |
| C6 | C6-CP-01 | **C6-CPA-01** | - |
| C8 | C8-CP-01 | **C8-CPA-01** | - |
| C10 | - | **C10-CPA-01** | - |

## Herramienta de equilibrado

Cx-BAT-01



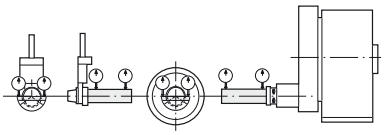
| Tamaño del acoplamiento | **Código de pedido** |
|---|---|
| C3 | **C3-BAT-01** |
| C4 | **C4-BAT-01** |
| C5 | **C5-BAT-01** |
| C6 | **C6-BAT-01** |
| C8 | **C8-BAT-01** |
| C10 | **C10-BAT-01** |

# Artículo de montaje

**Calibres patrón**

Comprobación de la posición de las pinzas

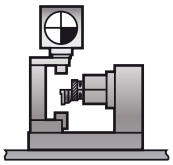
Orientación del husillo

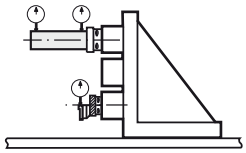


El sistema Coromant Capto garantiza una excepcional precisión de la repetibilidad, aunque ésta sería de poca utilidad, a menos que todos los restantes componentes que intervienen en el proceso de mecanizado estén posicionados de manera correcta y precisa.

Coromant ofrece una gama de calibres maestros para fijar la altura axial y central, para los diferentes tamaños de acoplamiento. Estos son especialmente recomendables para fijar parámetros tan importantes como:

Línea central del soporte de la herramienta





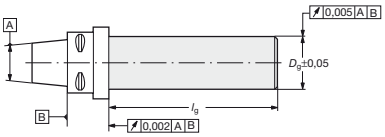
- La línea central del soporte de la herramienta
- Orientación del husillo
- Posición de la herramienta para las pinzas
- Altura central de la herramienta y posición del filo (dimensiones f1 y l1). Pueden usarse galgas en una fijación de pre-medición
- Fijaciones para los componentes

Pre-reglaje de la herramienta

Control geométrico de la fijación de la pieza

**Calibre axial**

**Calibres patrón MAS-11**

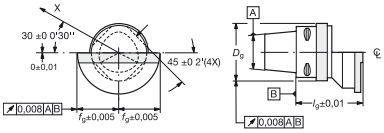



| Tamaño del acoplamiento | **Código de pedido** | Dimensiones, mm $D_g$ | $l_g$ |
|---|---|---|---|
| C3 | **C3-MAS-11** | 25 | 160 |
| C4 | **C4-MAS-11** | 25 | 160 |
| C5 | **C5-MAS-11** | 32 | 210 |
| C6 | **C6-MAS-11** | 40 | 315 |
| C8 | **C8-MAS-11** | 40 | 315 |
| C10 | **C10-MAS-11** | 60 | 420 |
| | | | |

**Calibre de altura central**

**Calibres patrón MAS-01**

(Poligonal) Ranura de las pinzas




| Tamaño del acoplamiento | **Código de pedido** | Dimensiones, mm $f_g$ | $l_g$ | $D_g$ |
|---|---|---|---|---|
| C3 | **C3-MAS-01** | 22 | 40 | 34 |
| C4 | **C4-MAS-01** | 27 | 50 | 42 |
| C5 | **C5-MAS-01** | 35 | 60 | 52 |
| C6 | **C6-MAS-01** | 45 | 65 | 65 |
| C8 | **C8-MAS-01** | 55 | 80 | 82 |
| C10 | **C10-MAS-01** | 65 | 100 | 102 |
| | | | | |

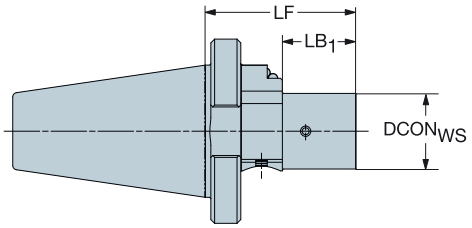
**Calibre de altura central**

| Tamaño del acoplamiento | **Código de pedido** | Dimensiones, mm $l_g$ | $D_g$ |
|---|---|---|---|
| C4 | **C4-MAS-25 140** | 140 | 25 |
| C5 | **C5-MAS-32 145** | 145 | 32 |
| C6 | **C6-MAS-40 180** | 180 | 40 |
| C8 | **C8-MAS-40 240** | 240 | 40 |
| | | | |

# Artículo de montaje

**Unidad de pre-medición**

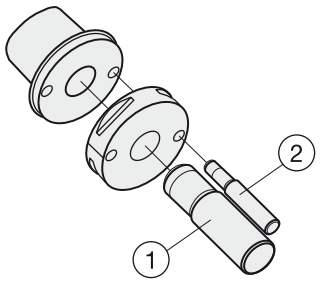





| | | | | | Dimensiones, mm | | |
|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{WS}$ | LF | $LB_1$ |
| 50 | C3 | 0 | 0 | **C3-PMU-I50** | 32 | 75 | 36 |
| | C4 | 0 | 0 | **C4-PMU-I50** | 40 | 80 | 39 |
| | C5 | 0 | 0 | **C5-PMU-I50** | 50 | 90 | 45 |
| | C6 | 0 | 0 | **C6-PMU-I50** | 63 | 107 | 56 |
| | C8 | 0 | 0 | **C8-PMU-I50** | 80 | 127 | 60 |

# Herramienta de alineación

Esta herramienta se utiliza para comprobar la tolerancia de la posición del cambio automático de herramienta entre el brazo de agarre, el depósito y la unidad de sujeción/husillo. Si no se consigue la tolerancia, el resultado puede ser un desgaste anormal de la herramienta de corte o del acoplamiento Coromant Capto, una sujeción incorrecta, caída de la herramienta, lesiones, etc. Las instrucciones y los datos de tolerancia se indican en la caja de la herramienta.




| | **Código de pedido** | Piezas de repuesto | |
|---|---|---|---|
| | | 1 | 2 |
| Tamaño del acoplamiento | **Herramienta** | Pasador de calibración | Pasador de calibración |
| C4 | **C4-AMT-01** | 5552 069-03 | 5552 069-01 |
| C5 | **C5-AMT-01** | 5552 069-04 | 5552 069-01 |
| C6 | **C6-AMT-01** | 5552 069-05 | 5552 069-02 |
| C8 | **C8-AMT-01** | 5552 069-05 | 5552 069-02 |
| C10 | **C10-AMT-01** | 5552 069-09 | 5552 069-08 |

# Valor de par de apriete

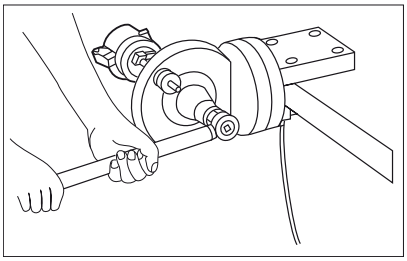
**Recomendaciones de par de apriete**

**Par de apriete Coromant Capto:**

**Unidades de sujeción manual y portaherramientas accionados con mecanismo de leva**

| CZC | Par Nm |
|---|---|
| C3 | 35 |
| C4 | 50 |
| C5 | 70 |
| C6 | 90 |
| C8 | 130 |
| C10 | 285 |

**Mangos básicos Coromant Capto®**



**Sujeción por tornillo central**

| CZC | Par Nm |
|---|---|
| C3 | 45 |
| C4 | 55 |
| C5 | 95 |
| C6 | 170 |
| C8 | 170 |
| C10 | 380 |

SPA

# Artículo de montaje

**Tubo de refrigerante para la gama HSK enteriza**



| Tamaño HSK | **Código de pedido** | Dimensiones, mm BD | THL | OAL | KG | **Llave** **Código de pedido** | Par torsorNm |
|---|---|---|---|---|---|---|---|
| 40 | **5692 022-02** | 8 | 7.5 | 29.5 | 0.01 | **5680 094-02** | 10 |
| 50 | **5692 022-03** | 10 | 9.5 | 32.8 | 0.02 | **5680 094-03** | 15 |
| 63 | **5692 022-04** | 12 | 11.5 | 46.5 | 0.03 | **5680 094-04** | 20 |
| 100 | **5692 022-06** | 16 | 15.5 | 44.5 | 0.05 | **5680 094-06** | 30 |
| 100 | **5692 022-16** | | 16.0 | 44 | 0.06 | **5680 094-06** | 30 |
| 125 | **5692 022-07** | 18 | 17.5 | 48 | 0.08 | **5680 094-07** | 30 |

## Tornillos de ajuste por contracción térmica MQL

Fig. 1

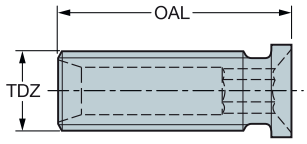
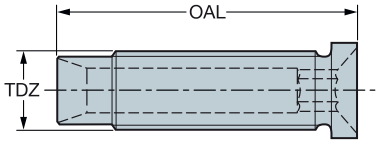



Fig. 2




| **Código de pedido** | Tamaño | Fig. | Dimensiones OAL | TDZ | Tamaño de llave |
|---|---|---|---|---|---|
| **5692 039-01** | 6 mm | 2 | 34 | M5 | SW 2,5 |
| **5692 039-02** | 6 mm | 1 | 17 | M5 | SW 2,5 |
| **5692 039-03** | 8 mm | 2 | 34 | M6 | SW 3 |
| **5692 039-04** | 8 mm | 1 | 18 | M6 | SW 3 |
| **5692 039-05** | 10 mm | 2 | 35 | M8x1 | SW 4 |
| **5692 039-06** | 10 mm | 1 | 18 | M8x1 | SW 4 |
| **5692 039-07** | 12 mm | 2 | 35 | M10x1 | SW 5 |
| **5692 039-08** | 12 mm | 1 | 18 | M10x1 | SW 5 |
| **5692 039-09** | 16 mm | 2 | 37 | M10x1 | SW 5 |
| **5692 039-10** | 16 mm | 1 | 22 | M10x1 | SW 5 |
| **5692 039-11** | 20 mm | 2 | 40 | M10x1 | SW 5 |
| **5692 039-12** | 20 mm | 1 | 23,5 | M10x1 | SW 5 |
| **5692 039-13** | 25 mm | 1 | 27,5 | M10x1 | SW 5 |
| **5692 039-14** | 25 mm | 1 | 30,5 | M10x1 | SW 5 |

## Tornillos de equilibrado



| Código de pedido |
|---|
| 5514 100-01 |

## Tornillos de ajuste para portamachos MQL Corochuck 970-HAxxQ-xx-xxx

Machos con centro exterior

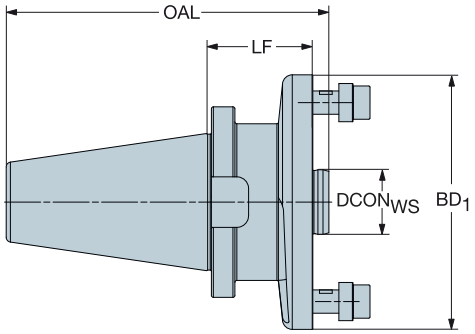
| Diámetro del portamachos, mm | ER20 | ER25 |
|---|---|---|
| 6, 7 | 5692 037-01 | |
| 8, 9 | 5692 037-02 | 5692 037-04 |
| 10 | 5692 037-03 | 5692 037-03 |
| 11-16 | | 5692 037-05 |

ISO 13399

N23

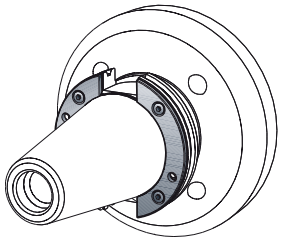
## Unidad de medición previa Corobore® XL

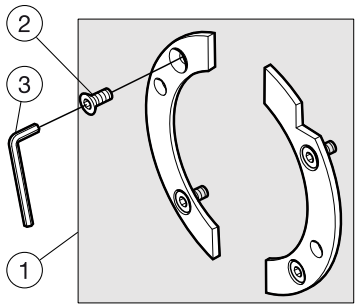





| | | | | Dimensiones, mm | | | | |
|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | **Código de pedido** | DCON | OAL | LF | $BD_1$ | KG |
| 50 | 33 | 0 | **I50-PMU-A33** | 33 | 178.30 | 50.0 | 130.0 | 5.59 |

## Juego de placas de apoyo





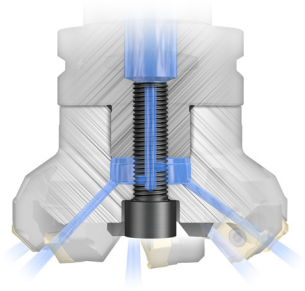

| 1 | 2 | 3 |
|---|---|---|
| Juego de placas de apoyo | Tornillo | Llave |
| 5549 128-50 | 3213 011-256 | 3021 010-025 (2.5) |

ISO 13399

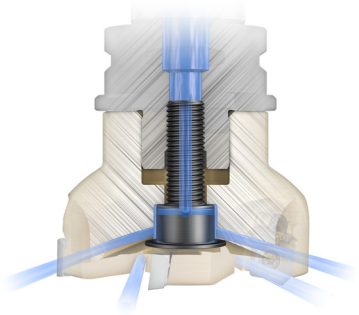
# Tornillos centrales de montaje con agujero para el refrigerante

## ISO A





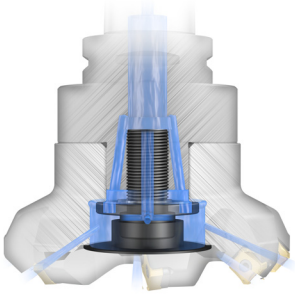
| Tamaño de eje | Tornillo | | Llave |
|---|---|---|---|
| 16 | 5512 073-03 | (M8) | 3021 010-060 (6.0) |
| 22 | 5512 073-01 | (M10) | 3021 010-080 (8.0) |
| 22 | 5512 073-04 | (M10) | 3021 010-080 (8.0) |
| 27 | 5512 073-02 | (M12) | 3021 010-100 (10.0) |
| 32 | 5512 073-05 | (M16) | 3021 010-140 (12.0) |



| Tamaño de eje | Tornillo | | Llave |
|---|---|---|---|
| 22 | 5512 087-01 | (M10) | 5680 043-17 (30IP) |
| 27 | 5512 087-02 | (M12) | 5680 043-18 (50IP) |
| 27 | 5512 098-05* | (M12) | 5680 043-13 (15IP)<br>5680 043-18 (50IP) |
| 32 | 5512 087-03 | (M16) | 5680 043-19 (55IP) |

*Conjunto de tornillos ajustables.

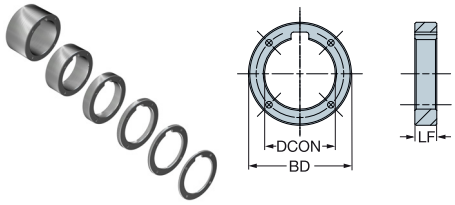
## ISO B



| Tamaño de eje | Tornillo | | Llave |
|---|---|---|---|
| 32 | 5512 098-04 | (M16) | 3021 010-060 (6.0)<br>3021 010-120 (12.0) |
| 40 | 5512 098-03 | (M20) | 3021 010-060 (6.0)<br>3021 010-120 (12.0) |

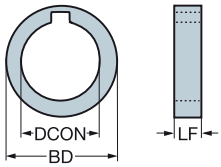
# Anillos espaciadores

**Elementos de montaje para CoroMill® 331**
**Conjunto con agujero**




| Métrica, mm | LF | 0.5 | 1 | 1.5 | 2 | 3 | 4 | 5 | 6 | 10 | 20 | 30 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Código del conjunto | DCON | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD |
| 5549 091-032 | 27 | 39 | 39 | 39 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| 5549 091-042 | 32 | 45 | 45 | 45 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| 5549 091-052 | 40 | 54 | 54 | 54 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |

**Conjunto sin agujero**




| **Código de pedido** | **Para adaptador** | Dimensiones, mm | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LF | 0.5 | 1.0 | 1.5 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 10.0 | 20.0 | 30.0 |
| | | DCON | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD | BD |
| **5549 091-011** | **391.10-16…** | 16 | 25 | 25 | 25 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | – |
| **5549 091-021** | **391.10-22…** | 22 | 33 | 33 | 33 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| **5549 091-061** | **391.10-50…** | 50 | 67 | 67 | – | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| **5549 091-071** | **391.10-60…** | 60 | 84 | 84 | – | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 |

**Arandela y tornillo de refrigerante para CoroMill® 331**



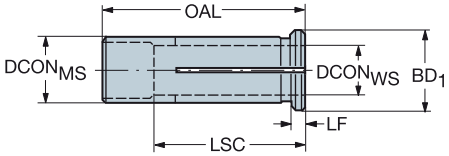
Métrico

| Código del conjunto | Código de tornillo | Código de la arandela | Tamaño de eje |
|---|---|---|---|
| 5512 076-101 | 5512 076-01 | 5549 210-01 | 27 |
| 5512 076-102 | 5512 076-02 | 5549 210-02 | 32 |
| 5512 076-103 | 5512 076-03 | 5549 210-03 | 40 |

# Manguitos cilíndricos

**Sello metálico para refrigerante a través**






| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | BD | LSC | OAL | LF | BAR | KG |
| 6 | 3 | 1 | 1 | **393.CGS-06 03 27** | 6 | 3 | 9 | 27.0 | 30 | 3 | 80 | 0.012 |
| 12 | 3 | 1 | 1 | **393.CGS-12 03 40** | 12 | 3 | 16 | 40.0 | 44 | 4 | 80 | 0.036 |
| | 4 | 1 | 1 | **393.CGS-12 04 40** | 12 | 4 | 16 | 40.0 | 44 | 4 | 80 | 0.035 |
| | 5 | 1 | 1 | **393.CGS-12 05 40** | 12 | 5 | 16 | 40.0 | 44 | 4 | 80 | 0.030 |
| | 6 | 1 | 1 | **393.CGS-12 06 40** | 12 | 6 | 16 | 40.0 | 44 | 4 | 80 | 0.035 |
| | 7 | 1 | 1 | **393.CGS-12 07 40** | 12 | 7 | 16 | 40.0 | 44 | 4 | 80 | 0.032 |
| | 8 | 1 | 1 | **393.CGS-12 08 40** | 12 | 8 | 16 | 40.0 | 44 | 4 | 80 | 0.029 |
| | 9 | 1 | 1 | **393.CGS-12 09 40** | 12 | 9 | 16 | 40.0 | 44 | 4 | 80 | 0.024 |
| | 10 | 1 | 1 | **393.CGS-12 10 40** | 12 | 10 | 16 | 40.0 | 44 | 4 | 80 | 0.020 |
| 20 | 3 | 1 | 1 | **393.CGS-20 03 52** | 20 | 3 | 25 | 50.0 | 54 | 4 | 80 | 0.118 |
| | 4 | 1 | 1 | **393.CGS-20 04 52** | 20 | 4 | 25 | 50.0 | 54 | 4 | 80 | 0.104 |
| | 5 | 1 | 1 | **393.CGS-20 05 52** | 20 | 5 | 25 | 50.0 | 54 | 4 | 80 | 0.100 |
| | 6 | 1 | 1 | **393.CGS-20 06 52** | 20 | 6 | 25 | 50.0 | 54 | 4 | 80 | 0.110 |
| | 7 | 1 | 1 | **393.CGS-20 07 52** | 20 | 7 | 25 | 50.0 | 54 | 4 | 80 | 0.110 |
| | 8 | 1 | 1 | **393.CGS-20 08 52** | 20 | 8 | 25 | 50.0 | 54 | 4 | 80 | 0.108 |
| | 9 | 1 | 1 | **393.CGS-20 09 52** | 20 | 9 | 25 | 50.0 | 54 | 4 | 80 | 0.106 |
| | 9.7 | 1 | 1 | **393.CGS-20 09.7 50** | 20 | 9 | 25 | 50.0 | 54 | 4 | 80 | 0.102 |
| | 10 | 1 | 1 | **393.CGS-20 10 52** | 20 | 10 | 25 | 50.0 | 54 | 4 | 80 | 0.102 |
| | 11.7 | 1 | 1 | **393.CGS-20 11.7 50** | 20 | 11 | 25 | 50.0 | 54 | 4 | 80 | 0.094 |
| | 12 | 1 | 1 | **393.CGS-20 12 52** | 20 | 12 | 25 | 50.0 | 54 | 4 | 80 | 0.094 |
| | 14 | 1 | 1 | **393.CGS-20 14 52** | 20 | 14 | 25 | 50.0 | 54 | 4 | 80 | 0.081 |
| | 15.7 | 1 | 1 | **393.CGS-20 15.7 50** | 20 | 15 | 25 | 50.0 | 54 | 4 | 80 | 0.067 |
| | 16 | 1 | 1 | **393.CGS-20 16 52** | 20 | 16 | 25 | 50.0 | 54 | 4 | 80 | 0.065 |
| | 18 | 1 | 1 | **393.CGS-20 18 52** | 20 | 18 | 25 | 50.0 | 54 | 4 | 80 | 0.045 |
| 25 | 3 | 1 | 1 | **393.CGS-25 03 56** | 25 | 3 | 30 | 56.0 | 60 | 4 | 80 | 0.212 |
| | 4 | 1 | 1 | **393.CGS-25 04 56** | 25 | 4 | 30 | 56.0 | 60 | 4 | 80 | 0.191 |
| | 5 | 1 | 1 | **393.CGS-25 05 56** | 25 | 5 | 30 | 56.0 | 60 | 4 | 80 | 0.208 |
| | 6 | 1 | 1 | **393.CGS-25 06 56** | 25 | 6 | 30 | 56.0 | 60 | 4 | 80 | 0.192 |
| | 7 | 1 | 1 | **393.CGS-25 07 56** | 25 | 7 | 30 | 56.0 | 60 | 4 | 80 | 0.204 |
| | 8 | 1 | 1 | **393.CGS-25 08 56** | 25 | 8 | 30 | 56.0 | 60 | 4 | 80 | 0.200 |
| | 9 | 1 | 1 | **393.CGS-25 09 56** | 25 | 9 | 30 | 56.0 | 60 | 4 | 80 | 0.197 |
| | 9.7 | 1 | 1 | **393.CGS-25 09.7 56** | 25 | 9 | 30 | 56.0 | 60 | 4 | 80 | 0.185 |
| | 10 | 1 | 1 | **393.CGS-25 10 56** | 25 | 10 | 30 | 56.0 | 60 | 4 | 80 | 0.186 |
| | 11.7 | 1 | 1 | **393.CGS-25 11.7 56** | 25 | 11 | 30 | 56.0 | 60 | 4 | 80 | 0.161 |
| | 12 | 1 | 1 | **393.CGS-25 12 56** | 25 | 12 | 30 | 56.0 | 60 | 4 | 80 | 0.167 |
| | 14 | 1 | 1 | **393.CGS-25 14 56** | 25 | 14 | 30 | 56.0 | 60 | 4 | 80 | 0.156 |
| | 15.7 | 1 | 1 | **393.CGS-25 15.7 56** | 25 | 15 | 30 | 56.0 | 60 | 4 | 80 | 0.151 |
| | 16 | 1 | 1 | **393.CGS-25 16 56** | 25 | 16 | 30 | 56.0 | 60 | 4 | 80 | 0.150 |
| | 18 | 1 | 1 | **393.CGS-25 18 56** | 25 | 18 | 30 | 56.0 | 60 | 4 | 80 | 0.121 |
| | 19.7 | 1 | 1 | **393.CGS-25 19.7 56** | 25 | 19 | 30 | 56.0 | 60 | 4 | 80 | 0.102 |
| | 20 | 1 | 1 | **393.CGS-25 20 56** | 25 | 20 | 30 | 56.0 | 60 | 4 | 80 | 0.100 |
| 32 | 8 | 1 | 1 | **393.CGS-32 08 60** | 32 | 8 | 36 | 60.0 | 64 | 4 | 80 | 0.329 |
| | 10 | 1 | 1 | **393.CGS-32 10 60** | 32 | 10 | 36 | 60.0 | 64 | 4 | 80 | 0.300 |
| | 12 | 1 | 1 | **393.CGS-32 12 60** | 32 | 12 | 36 | 60.0 | 64 | 4 | 80 | 0.312 |
| | 14 | 1 | 1 | **393.CGS-32 14 60** | 32 | 14 | 36 | 60.0 | 64 | 4 | 80 | 0.300 |
| | 15.7 | 1 | 1 | **393.CGS-32 15.7 60** | 32 | 15 | 36 | 60.0 | 64 | 4 | 80 | 0.287 |
| | 16 | 1 | 1 | **393.CGS-32 16 60** | 32 | 16 | 36 | 60.0 | 64 | 4 | 80 | 0.288 |
| | 18 | 1 | 1 | **393.CGS-32 18 60** | 32 | 18 | 36 | 60.0 | 64 | 4 | 80 | 0.268 |
| | 19.7 | 1 | 1 | **393.CGS-32 19.7 60** | 32 | 19 | 36 | 60.0 | 64 | 4 | 80 | 0.248 |
| | 20 | 1 | 1 | **393.CGS-32 20 60** | 32 | 20 | 36 | 60.0 | 64 | 4 | 80 | 0.248 |
| | 24.7 | 1 | 1 | **393.CGS-32 24.7 60** | 32 | 24 | 36 | 60.0 | 64 | 4 | 80 | 0.184 |
| | 25 | 1 | 1 | **393.CGS-32 25 60** | 32 | 25 | 36 | 60.0 | 64 | 4 | 80 | 0.181 |

LSC Longitud de sujeción necesaria para lograr un efecto de sellado.

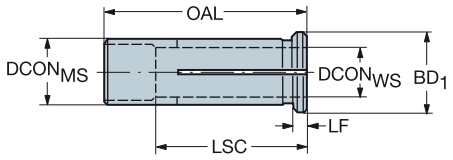
Para obtener información sobre extractores para boquillas cilíndricas, consulte la página M18

N23 N15

# Manguitos cilíndricos

**Suministro de refrigerante de precisión**






| | | | | | Dimensiones, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | OAL | LF | BAR | KG |
| 12 | 2.90 | 1 | 4 | **393.CF-12 02.9 40** | 12.00 | 2.90 | 40.00 | 44.00 | 4 | 80 | 0.03 |
| | 3.00 | 1 | 4 | **393.CF-12 03 40** | 12.00 | 3.00 | 40.00 | 44.00 | 4 | 80 | 0.03 |
| | 3.80 | 1 | 4 | **393.CF-12 03.8 40** | 12.00 | 3.80 | 29.00 | 44.00 | 4 | 80 | 0.03 |
| | 4.00 | 1 | 4 | **393.CF-12 04 40** | 12.00 | 4.00 | 40.00 | 44.00 | 4 | 80 | 0.03 |
| | 4.80 | 1 | 4 | **393.CF-12 04.8 40** | 12.00 | 4.80 | 30.00 | 44.00 | 4 | 80 | 0.03 |
| | 5.00 | 1 | 4 | **393.CF-12 05 40** | 12.00 | 5.00 | 36.00 | 44.00 | 4 | 80 | 0.03 |
| | 5.80 | 1 | 4 | **393.CF-12 05.8 40** | 12.00 | 5.80 | 36.00 | 44.00 | 4 | 80 | 0.03 |
| | 6.00 | 1 | 4 | **393.CF-12 06 40** | 12.00 | 6.00 | 36.00 | 44.00 | 4 | 80 | 0.03 |
| | 7.80 | 1 | 4 | **393.CF-12 07.8 40** | 12.00 | 7.80 | 37.00 | 44.00 | 4 | 80 | 0.02 |
| | 8.00 | 1 | 4 | **393.CF-12 08 40** | 12.00 | 8.00 | 40.00 | 44.00 | 4 | 80 | 0.02 |
| 20 | 6.00 | 1 | 4 | **393.CF-20 06 50** | 20.00 | 6.00 | 50.00 | 54.00 | 4 | 80 | 0.11 |
| | 8.00 | 1 | 4 | **393.CF-20 08 50** | 20.00 | 8.00 | 37.00 | 54.00 | 4 | 80 | 0.10 |
| | 9.70 | 1 | 4 | **393.CF-20 09.7 50** | 20.00 | 9.70 | 40.00 | 54.00 | 4 | 80 | 0.10 |
| | 10.00 | 1 | 4 | **393.CF-20 10 50** | 20.00 | 10.00 | 45.00 | 54.00 | 4 | 80 | 0.09 |
| | 11.70 | 1 | 4 | **393.CF-20 11.7 50** | 20.00 | 11.70 | 45.00 | 54.00 | 4 | 80 | 0.09 |
| | 12.00 | 1 | 4 | **393.CF-20 12 50** | 20.00 | 12.00 | 45.00 | 54.00 | 4 | 80 | 0.09 |
| | 15.70 | 1 | 4 | **393.CF-20 15.7 50** | 20.00 | 15.70 | 50.00 | 54.00 | 4 | 80 | 0.06 |
| | 16.00 | 1 | 4 | **393.CF-20 16 50** | 20.00 | 16.00 | 48.00 | 54.00 | 4 | 80 | 0.06 |
| 25 | 9.70 | 1 | 4 | **393.CF-25 09.7 56** | 25.00 | 9.70 | 56.00 | 60.00 | 4 | 80 | 0.18 |
| | 10.00 | 1 | 4 | **393.CF-25 10 56** | 25.00 | 10.00 | 56.00 | 60.00 | 4 | 80 | 0.16 |
| | 11.70 | 1 | 4 | **393.CF-25 11.7 56** | 25.00 | 11.70 | 41.00 | 60.00 | 4 | 80 | 0.16 |
| | 12.00 | 1 | 4 | **393.CF-25 12 56** | 25.00 | 12.00 | 46.00 | 60.00 | 4 | 80 | 0.16 |
| | 15.70 | 1 | 4 | **393.CF-25 15.7 56** | 25.00 | 15.70 | 56.00 | 60.00 | 4 | 80 | 0.15 |
| | 16.00 | 1 | 4 | **393.CF-25 16 56** | 25.00 | 16.00 | 56.00 | 60.00 | 4 | 80 | 0.15 |
| | 19.70 | 1 | 4 | **393.CF-25 19.7 56** | 25.00 | 19.70 | 56.00 | 60.00 | 4 | 80 | 0.10 |
| | 20.00 | 1 | 4 | **393.CF-25 20 56** | 25.00 | 20.00 | 50.00 | 60.00 | 4 | 80 | 0.10 |
| 32 | 15.70 | 1 | 4 | **393.CF-32 15.7 60** | 32.00 | 15.70 | 60.00 | 64.00 | 4 | 80 | 0.28 |
| | 19.70 | 1 | 4 | **393.CF-32 19.7 60** | 32.00 | 19.70 | 60.00 | 64.00 | 4 | 80 | 0.24 |
| | 20.00 | 1 | 4 | **393.CF-32 20 60** | 32.00 | 20.00 | 60.00 | 64.00 | 4 | 80 | 0.24 |
| | 24.70 | 1 | 4 | **393.CF-32 24.7 60** | 32.00 | 24.70 | 56.00 | 64.00 | 4 | 80 | 0.18 |
| | 25.00 | 1 | 4 | **393.CF-32 25 60** | 32.00 | 25.00 | 57.00 | 64.00 | 4 | 80 | 0.18 |

Para obtener información sobre extractores para boquillas cilíndricas, consulte la página M18

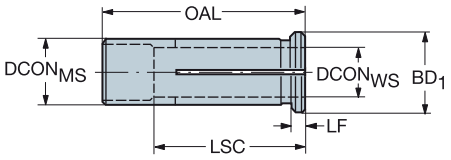
N23 N15

SPA

# Manguitos cilíndricos

**Refrigerante a través del manguito**






| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | BD | LSC | OAL | LF | BAR | KG |
| 12 | 6 | 1 | 4 | **393.CG-12 06 40** | 12 | 6 | 16 | 40.0 | 44 | 4 | 80 | 0.034 |
| | 7 | 1 | 4 | **393.CG-12 07 40** | 12 | 7 | 16 | 40.0 | 44 | 4 | 80 | 0.030 |
| | 8 | 1 | 4 | **393.CG-12 08 40** | 12 | 8 | 16 | 40.0 | 44 | 4 | 80 | 0.029 |
| | 9 | 1 | 4 | **393.CG-12 09 40** | 12 | 9 | 16 | 40.0 | 44 | 4 | 80 | 0.025 |
| | 10 | 1 | 4 | **393.CG-12 10 40** | 12 | 10 | 16 | 40.0 | 44 | 4 | 80 | 0.020 |
| 20 | 3 | 1 | 4 | **393.CG-20 03 52** | 20 | 3 | 25 | 50.0 | 54 | 4 | 80 | 0.120 |
| | 4 | 1 | 4 | **393.CG-20 04 52** | 20 | 4 | 25 | 50.0 | 54 | 4 | 80 | 0.114 |
| | 5 | 1 | 4 | **393.CG-20 05 52** | 20 | 5 | 25 | 50.0 | 54 | 4 | 80 | 0.100 |
| | 6 | 1 | 4 | **393.CG-20 06 52** | 20 | 6 | 25 | 50.0 | 54 | 4 | 80 | 0.113 |
| | 7 | 1 | 4 | **393.CG-20 07 52** | 20 | 7 | 25 | 50.0 | 54 | 4 | 80 | 0.100 |
| | 8 | 1 | 4 | **393.CG-20 08 52** | 20 | 8 | 25 | 50.0 | 54 | 4 | 80 | 0.109 |
| | 9 | 1 | 4 | **393.CG-20 09 52** | 20 | 9 | 25 | 50.0 | 54 | 4 | 80 | 0.103 |
| | 10 | 1 | 4 | **393.CG-20 10 52** | 20 | 10 | 25 | 50.0 | 54 | 4 | 80 | 0.101 |
| | 12 | 1 | 4 | **393.CG-20 12 52** | 20 | 12 | 25 | 50.0 | 54 | 4 | 80 | 0.095 |
| | 14 | 1 | 4 | **393.CG-20 14 52** | 20 | 14 | 25 | 50.0 | 54 | 4 | 80 | 0.080 |
| | 16 | 1 | 4 | **393.CG-20 16 52** | 20 | 16 | 25 | 50.0 | 54 | 4 | 80 | 0.064 |
| 25 | 6 | 1 | 4 | **393.CG-25 06 56** | 25 | 6 | 30 | 56.0 | 60 | 4 | 80 | 0.192 |
| | 8 | 1 | 4 | **393.CG-25 08 56** | 25 | 8 | 30 | 56.0 | 60 | 4 | 80 | 0.200 |
| | 10 | 1 | 4 | **393.CG-25 10 56** | 25 | 10 | 30 | 56.0 | 60 | 4 | 80 | 0.171 |
| | 12 | 1 | 4 | **393.CG-25 12 56** | 25 | 12 | 30 | 56.0 | 60 | 4 | 80 | 0.168 |
| | 14 | 1 | 4 | **393.CG-25 14 56** | 25 | 14 | 30 | 56.0 | 60 | 4 | 80 | 0.154 |
| | 16 | 1 | 4 | **393.CG-25 16 56** | 25 | 16 | 30 | 56.0 | 60 | 4 | 80 | 0.139 |
| | 18 | 1 | 4 | **393.CG-25 18 56** | 25 | 18 | 30 | 56.0 | 60 | 4 | 80 | 0.120 |
| | 20 | 1 | 4 | **393.CG-25 20 56** | 25 | 20 | 30 | 56.0 | 60 | 4 | 80 | 0.100 |
| 32 | 6 | 1 | 4 | **393.CG-32 06 60** | 32 | 6 | 36 | 60.0 | 64 | 4 | 80 | 0.306 |
| | 8 | 1 | 4 | **393.CG-32 08 60** | 32 | 8 | 36 | 60.0 | 64 | 4 | 80 | 0.328 |
| | 10 | 1 | 4 | **393.CG-32 10 60** | 32 | 10 | 36 | 60.0 | 64 | 4 | 80 | 0.324 |
| | 12 | 1 | 4 | **393.CG-32 12 60** | 32 | 12 | 36 | 60.0 | 64 | 4 | 80 | 0.314 |
| | 14 | 1 | 4 | **393.CG-32 14 60** | 32 | 14 | 36 | 60.0 | 64 | 4 | 80 | 0.300 |
| | 16 | 1 | 4 | **393.CG-32 16 60** | 32 | 16 | 36 | 60.0 | 64 | 4 | 80 | 0.282 |
| | 18 | 1 | 4 | **393.CG-32 18 60** | 32 | 18 | 36 | 60.0 | 64 | 4 | 80 | 0.267 |
| | 20 | 1 | 4 | **393.CG-32 20 60** | 32 | 20 | 36 | 60.0 | 64 | 4 | 80 | 0.246 |
| | 25 | 1 | 4 | **393.CG-32 25 60** | 32 | 25 | 36 | 60.0 | 64 | 4 | 80 | 0.181 |

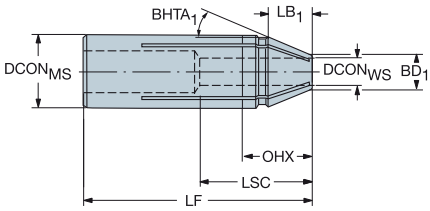
Para obtener información sobre extractores para boquillas cilíndricas, consulte la página M18

N23 N15

# Manguitos cilíndricos

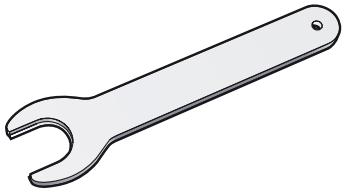
**Tipo lápiz**






| | | | | | Dimensiones, mm | | | | | | | BAR | KG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | BD | LB | BHTA | LSC | LF | | |
| 20 | 3 | 1 | 4 | **393.CGP-20 03 72** | 20 | 3 | 7 | 14 | 20° | 55.0 | 72 | 80 | 0.134 |
| | 6 | 1 | 4 | **393.CGP-20 06 72** | 20 | 6 | 9 | 14 | 20° | 55.0 | 72 | 80 | 0.139 |
| | 8 | 1 | 4 | **393.CGP-20 08 72** | 20 | 8 | 11 | 13 | 17° | 55.0 | 72 | 80 | 0.127 |
| | 10 | 1 | 4 | **393.CGP-20 10 72** | 20 | 10 | 13 | 13 | 15° | 55.0 | 72 | 80 | 0.123 |
| | 12 | 1 | 4 | **393.CGP-20 12 72** | 20 | 12 | 15 | 13 | 13° | 55.0 | 72 | 80 | 0.112 |

# Extractor para manguitos cilíndricos



| **Código de pedido** | Para tamaño de boquilla |
|---|---|
| **5680 061-01** | 12 |
| **5680 061-02** | 16 |
| **5680 061-03** | 20 |
| **5680 061-04** | 25 |
| **5680 061-05** | 32 |

N23

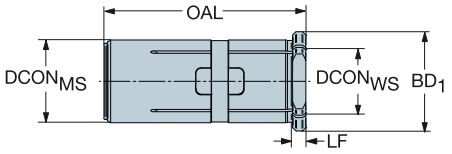
N15

SPA

# Manguito cilíndrico con adaptador de bloqueo mecánico

393.CLF





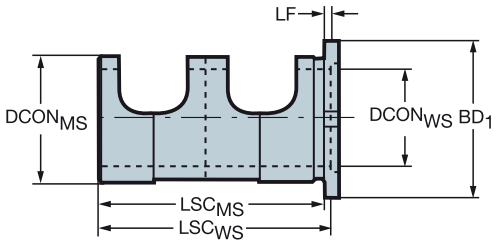

| Aplicación | Código de pedido | Dimensiones, mm | | | | | Piezas de repuesto | |
|---|---|---|---|---|---|---|---|---|
| | | $DCON_{WS}$ | $DCON_{MS}$ | $BD_1$ | LF | OAL | Tornillo de anclaje | Herramienta de montaje |
| CoroChuck™ 930 HD32 | 393.CLF-321660 | 16 | 32 | 36 | 4 | 65 | 5519 140-02 | 5680 140-02 |
| | 393.CLF-322060 | 20 | 32 | 36 | 4 | 65 | | |
| | 393.CLF-322560 | 25 | 32 | 36 | 4 | 65 | | |
| CoroChuck™ 930 HD/S25 | 393.CLF-251256 | 12 | 25 | 30 | 4 | 61 | 5519 140-02 | 5680 140-02 |
| | 393.CLF-251656 | 16 | 25 | 30 | 4 | 61 | | |
| | 393.CLF-252056 | 20 | 25 | 30 | 4 | 61 | | |
| CoroChuck™ 930 HD/S20 | 393.CLF-201052 | 10 | 20 | 25 | 4 | 55 | 5519 140-01 | 5680 140-01 |
| | 393.CLF-201252 | 12 | 20 | 25 | 4 | 55 | | |
| | 393.CLF-201652 | 16 | 20 | 25 | 4 | 55 | | |

El tornillo de anclaje y la herramienta de montaje deben pedirse por separado.
Para ver las instrucciones de montaje, consulte www.sandvik.coromant.com/corochuck930/instructions

# Manguito excéntrico

**Para CoroDrill® 880**






| | | | | | Dimensiones, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CZC$_{MS}$ | CZC$_{WS}$ | ADJLN | ADJLX | **Código de pedido** | DCON$_{MS}$ | DCON$_{WS}$ | BD$_1$ | LB$_1$ | OAL | LF | KG |
| 25 | 20 | -0.30 | 0.30 | **416.2-L20-25** | 25 | 20 | 33 | 5 | 60 | 2 | 0.084 |
| 32 | 25 | -0.30 | 0.30 | **416.2-L25-32** | 32 | 25 | 40 | 5 | 65 | 3 | 0.153 |
| 40 | 32 | -0.30 | 0.30 | **416.2-L32-40** | 40 | 32 | 50 | 5 | 75 | 2 | 0.238 |
| 50 | 40 | -0.30 | 0.30 | **416.2-L40-50** | 50 | 40 | 60 | 5 | 85 | 2 | 0.419 |

N23 N15

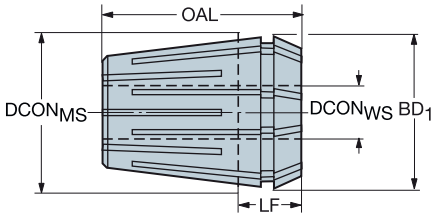
SPA

# Pinza Schaublin

**Sello metálico para refrigerante a través**

**Compatible con DIN 6499-B**






| | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | $DCONN_{WS}$ | $DCONX_{WS}$ | $BD_1$ | OAL | LF | BAR | KG |
| ER16 | 3 (h9) | 1 | 1 | **393.15-16 03** | 17 | 3 | | | 17 | 27 | 10 | 300 | 0.026 |
| | 4 (h9) | 1 | 1 | **393.15-16 04** | 17 | 4 | | | 17 | 27 | 10 | 300 | 0.025 |
| | 5.0 - 4.5 | 1 | 1 | **393.15-16 05** | 17 | | 4.5 | 5.0 | 17 | 27 | 10 | 300 | 0.026 |
| | 6.0 - 5.5 | 1 | 1 | **393.15-16 06** | 17 | | 5.5 | 6.0 | 17 | 27 | 10 | 300 | 0.024 |
| | 8.0 - 7.5 | 1 | 1 | **393.15-16 08** | 17 | | 7.5 | 8.0 | 17 | 27 | 10 | 300 | 0.021 |
| | 10.0 - 9.5 | 1 | 1 | **393.15-16 10** | 17 | | 9.5 | 10.0 | 17 | 27 | 10 | 300 | 0.017 |
| ER20 | 3 (h9) | 1 | 1 | **393.15-20 03** | 21 | 3 | | | 21 | 31 | 11 | 300 | 0.047 |
| | 4 (h9) | 1 | 1 | **393.15-20 04** | 21 | 4 | | | 21 | 31 | 11 | 300 | 0.046 |
| | 5 (h9) | 1 | 1 | **393.15-20 05** | 21 | 5 | | | 21 | 31 | 11 | 300 | 0.045 |
| | 6 (h9) | 1 | 1 | **393.15-20 06** | 21 | 6 | | | 21 | 31 | 11 | 300 | 0.044 |
| | 8.0 - 7.5 | 1 | 1 | **393.15-20 08** | 21 | | 7.5 | 8.0 | 21 | 31 | 11 | 300 | 0.041 |
| | 10.0 - 9.5 | 1 | 1 | **393.15-20 10** | 21 | | 9.5 | 10.0 | 21 | 31 | 11 | 300 | 0.036 |
| | 12.0 - 11.5 | 1 | 1 | **393.15-20 12** | 21 | | 11.5 | 12.0 | 21 | 31 | 11 | 300 | 0.030 |
| ER25 | 6 (h9) | 1 | 1 | **393.15-25 06** | 26 | 6 | | | 26 | 34 | 11 | 300 | 0.080 |
| | 8.0 - 7.5 | 1 | 1 | **393.15-25 08** | 26 | | 7.5 | 8.0 | 26 | 34 | 11 | 300 | 0.078 |
| | 10.0 - 9.5 | 1 | 1 | **393.15-25 10** | 26 | | 9.5 | 10.0 | 26 | 34 | 11 | 300 | 0.074 |
| | 12.0 - 11.5 | 1 | 1 | **393.15-25 12** | 26 | | 11.5 | 12.0 | 26 | 34 | 11 | 300 | 0.066 |
| | 14.0 - 13.5 | 1 | 1 | **393.15-25 14** | 26 | | 13.5 | 14.0 | 26 | 34 | 11 | 300 | 0.060 |
| | 16.0 - 15.5 | 1 | 1 | **393.15-25 16** | 26 | | 15.5 | 16.0 | 26 | 34 | 11 | 300 | 0.049 |
| ER32 | 6 (h9) | 1 | 1 | **393.15-32 06** | 33 | 6 | | | 33 | 40 | 12 | 300 | 0.163 |
| | 8.0 - 7.5 | 1 | 1 | **393.15-32 08** | 33 | | 7.5 | 8.0 | 33 | 40 | 12 | 300 | 0.167 |
| | 10.0 - 9.5 | 1 | 1 | **393.15-32 10** | 33 | | 9.5 | 10.0 | 33 | 40 | 12 | 300 | 0.158 |
| | 12.0 - 11.5 | 1 | 1 | **393.15-32 12** | 33 | | 11.5 | 12.0 | 33 | 40 | 12 | 300 | 0.154 |
| | 14.0 - 13.5 | 1 | 1 | **393.15-32 14** | 33 | | 13.5 | 14.0 | 33 | 40 | 12 | 300 | 0.135 |
| | 16.0 - 15.5 | 1 | 1 | **393.15-32 16** | 33 | | 15.5 | 16.0 | 33 | 40 | 12 | 300 | 0.124 |
| | 18.0 - 17.5 | 1 | 1 | **393.15-32 18** | 33 | | 17.5 | 18.0 | 33 | 40 | 12 | 300 | 0.112 |
| | 20.0 - 19.5 | 1 | 1 | **393.15-32 20** | 33 | | 19.5 | 20.0 | 33 | 40 | 12 | 300 | 0.098 |
| ER40 | 6 (h9) | 1 | 1 | **393.15-40 06** | 41 | 6 | | | 41 | 46 | 14 | 300 | 0.291 |
| | 8 (h9) | 1 | 1 | **393.15-40 08** | 41 | 8 | | | 41 | 46 | 14 | 300 | 0.289 |
| | 10.0 - 9.5 | 1 | 1 | **393.15-40 10** | 41 | | 9.5 | 10.0 | 41 | 46 | 14 | 300 | 0.293 |
| | 12.0 - 11.5 | 1 | 1 | **393.15-40 12** | 41 | | 11.5 | 12.0 | 41 | 46 | 14 | 300 | 0.286 |
| | 14.0 - 13.5 | 1 | 1 | **393.15-40 14** | 41 | | 13.5 | 14.0 | 41 | 46 | 14 | 300 | 0.276 |
| | 16.0 - 15.5 | 1 | 1 | **393.15-40 16** | 41 | | 15.5 | 16.0 | 41 | 46 | 14 | 300 | 0.265 |
| | 18.0 - 17.5 | 1 | 1 | **393.15-40 18** | 41 | | 17.5 | 18.0 | 41 | 46 | 14 | 300 | 0.250 |
| | 20.0 - 19.5 | 1 | 1 | **393.15-40 20** | 41 | | 19.5 | 20.0 | 41 | 46 | 14 | 300 | 0.232 |
| | 25.0 - 24.5 | 1 | 1 | **393.15-40 25** | 41 | | 24.5 | 25.0 | 41 | 46 | 14 | 300 | 0.181 |

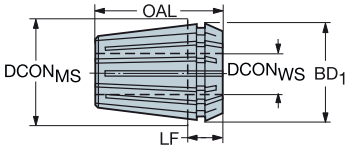
N23 N15

# Pinza Schaublin

**Refrigerante a través de la pinza**

**Compatible con DIN 6499-B**






| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCONN_{WS}$ | $DCONX_{WS}$ | $BD_1$ | OAL | LF | BAR | KG |
| ER8 | 3.00 - 2.50 | 1 | 4 | **393.14-08 0300** | 8 | 2.5 | 3.0 | 8 | 13 | 4 | 300 | 0.005 |
| | 3.50 - 3.00 | 1 | 4 | **393.14-08 0350** | 8 | 3.0 | 3.5 | 8 | 13 | 4 | 300 | 0.005 |
| | 4.00 - 3.50 | 1 | 4 | **393.14-08 0400** | 8 | 3.5 | 4.0 | 11 | 13 | 4 | 300 | 0.005 |
| ER11 | 1.00 - 0.75 | 1 | 4 | **393.14-11 0100** | 11 | 0.8 | 1.0 | 11 | 18 | 6 | 300 | 0.009 |
| | 1.25 - 1.00 | 1 | 4 | **393.14-11 0125** | 11 | 1.0 | 1.3 | 11 | 18 | 6 | 300 | 0.009 |
| | 1.50 - 1.25 | 1 | 4 | **393.14-11 0150** | 11 | 1.3 | 1.5 | 11 | 18 | 6 | 300 | 0.009 |
| | 1.75 - 1.50 | 1 | 4 | **393.14-11 0175** | 11 | 1.5 | 1.8 | 11 | 18 | 6 | 300 | 0.009 |
| | 2.00 - 1.75 | 1 | 4 | **393.14-11 0200** | 11 | 1.8 | 2.0 | 11 | 18 | 6 | 300 | 0.009 |
| | 2.25 - 2.00 | 1 | 4 | **393.14-11 0225** | 11 | 2.0 | 2.3 | 11 | 18 | 6 | 300 | 0.009 |
| | 2.50 - 2.25 | 1 | 4 | **393.14-11 0250** | 11 | 2.3 | 2.5 | 11 | 18 | 6 | 300 | 0.009 |
| | 3.00 - 2.50 | 1 | 4 | **393.14-11 0300** | 11 | 2.5 | 3.0 | 11 | 18 | 6 | 300 | 0.009 |
| | 3.50 - 3.00 | 1 | 4 | **393.14-11 0350** | 11 | 3.0 | 3.5 | 11 | 18 | 6 | 300 | 0.009 |
| | 4.00 - 3.50 | 1 | 4 | **393.14-11 0400** | 11 | 3.5 | 4.0 | 11 | 18 | 6 | 300 | 0.009 |
| | 4.50 - 4.00 | 1 | 4 | **393.14-11 0450** | 11 | 4.0 | 4.5 | 11 | 18 | 6 | 300 | 0.009 |
| | 5.00 - 4.50 | 1 | 4 | **393.14-11 0500** | 11 | 4.5 | 5.0 | 11 | 18 | 6 | 300 | 0.009 |
| | 5.50 - 5.00 | 1 | 4 | **393.14-11 0550** | 11 | 5.0 | 5.5 | 11 | 18 | 6 | 300 | 0.008 |
| | 6.00 - 5.50 | 1 | 4 | **393.14-11 0600** | 11 | 5.5 | 6.0 | 11 | 18 | 6 | 300 | 0.007 |
| | 6.50 - 6.00 | 1 | 4 | **393.14-11 0650** | 11 | 6.0 | 6.5 | 11 | 18 | 6 | 300 | 0.007 |
| | 7.00 - 6.50 | 1 | 4 | **393.14-11 0700** | 11 | 6.5 | 7.0 | 11 | 18 | 6 | 300 | 0.006 |
| ER16 | 1.0 - 0.5 | 1 | 4 | **393.14-16 0100** | 17 | 0.5 | 1.0 | 17 | 27 | 10 | 300 | 0.027 |
| | 1.5 - 1.0 | 1 | 4 | **393.14-16 0150** | 17 | 1.0 | 1.5 | 17 | 27 | 10 | 300 | 0.027 |
| | 2.0 - 1.0 | 1 | 4 | **393.14-16 0200** | 17 | 1.0 | 2.0 | 17 | 27 | 10 | 300 | 0.027 |
| | 2.5 - 1.5 | 1 | 4 | **393.14-16 0250** | 17 | 1.5 | 2.5 | 17 | 27 | 10 | 300 | 0.027 |
| | 3.0 - 2.0 | 1 | 4 | **393.14-16 0300** | 17 | 2.0 | 3.0 | 17 | 27 | 10 | 300 | 0.024 |
| | 4.0 - 3.0 | 1 | 4 | **393.14-16 0400** | 17 | 3.0 | 4.0 | 17 | 27 | 10 | 300 | 0.003 |
| | 5.0 - 4.0 | 1 | 4 | **393.14-16 0500** | 17 | 4.0 | 5.0 | 17 | 27 | 10 | 300 | 0.025 |
| | 6.0 - 5.0 | 1 | 4 | **393.14-16 0600** | 17 | 5.0 | 6.0 | 17 | 27 | 10 | 300 | 0.023 |
| | 7.0 - 6.0 | 1 | 4 | **393.14-16 0700** | 17 | 6.0 | 7.0 | 17 | 27 | 10 | 300 | 0.021 |
| | 8.0 - 7.0 | 1 | 4 | **393.14-16 0800** | 17 | 7.0 | 8.0 | 17 | 27 | 10 | 300 | 0.020 |
| | 9.0 - 8.0 | 1 | 4 | **393.14-16 0900** | 17 | 8.0 | 9.0 | 17 | 27 | 10 | 300 | 0.018 |
| | 10.0 - 9.0 | 1 | 4 | **393.14-16 1000** | 17 | 9.0 | 10.0 | 17 | 27 | 10 | 300 | 0.016 |
| ER20 | 1.5 - 1.0 | 1 | 4 | **393.14-20 015** | 21 | 1.0 | 1.5 | 21 | 31 | 11 | 300 | 0.047 |
| | 2.0 - 1.5 | 1 | 4 | **393.14-20 020** | 21 | 1.5 | 2.0 | 21 | 31 | 11 | 300 | 0.049 |
| | 2.5 - 2.0 | 1 | 4 | **393.14-20 025** | 21 | 2.0 | 2.5 | 21 | 31 | 11 | 300 | 0.048 |
| | 3.0 - 2.5 | 1 | 4 | **393.14-20 030** | 21 | 2.5 | 3.0 | 21 | 31 | 11 | 300 | 0.046 |
| | 4.0 - 3.0 | 1 | 4 | **393.14-20 040** | 21 | 3.0 | 4.0 | 21 | 31 | 11 | 300 | 0.045 |
| | 5.0 - 4.0 | 1 | 4 | **393.14-20 050** | 21 | 4.0 | 5.0 | 21 | 31 | 11 | 300 | 0.044 |
| | 6.0 - 5.0 | 1 | 4 | **393.14-20 060** | 21 | 5.0 | 6.0 | 21 | 31 | 11 | 300 | 0.043 |
| | 7.0 - 6.0 | 1 | 4 | **393.14-20 070** | 21 | 6.0 | 7.0 | 21 | 31 | 11 | 300 | 0.041 |
| | 8.0 - 7.0 | 1 | 4 | **393.14-20 080** | 21 | 7.0 | 8.0 | 21 | 31 | 11 | 300 | 0.037 |
| | 9.0 - 8.0 | 1 | 4 | **393.14-20 090** | 21 | 8.0 | 9.0 | 21 | 31 | 11 | 300 | 0.037 |
| | 10.0 - 9.0 | 1 | 4 | **393.14-20 100** | 21 | 9.0 | 10.0 | 21 | 31 | 11 | 300 | 0.034 |
| | 11.0 - 10.0 | 1 | 4 | **393.14-20 110** | 21 | 10.0 | 11.0 | 21 | 31 | 11 | 300 | 0.033 |
| | 12.0 - 11.0 | 1 | 4 | **393.14-20 120** | 21 | 11.0 | 12.0 | 21 | 31 | 11 | 300 | 0.031 |
| | 13.0 - 12.0 | 1 | 4 | **393.14-20 130** | 21 | 12.0 | 13.0 | 21 | 31 | 11 | 300 | 0.026 |
| ER25 | 2.0 - 1.5 | 1 | 4 | **393.14-25 020** | 26 | 1.5 | 2.0 | 26 | 34 | 11 | 300 | 0.079 |
| | 2.5 - 2.0 | 1 | 4 | **393.14-25 025** | 26 | 2.0 | 2.5 | 26 | 34 | 11 | 300 | 0.079 |
| | 3.0 - 2.5 | 1 | 4 | **393.14-25 030** | 26 | 2.5 | 3.0 | 26 | 34 | 11 | 300 | 0.078 |
| | 4.0 - 3.0 | 1 | 4 | **393.14-25 040** | 26 | 3.0 | 4.0 | 26 | 34 | 11 | 300 | 0.079 |
| | 5.0 - 4.0 | 1 | 4 | **393.14-25 050** | 26 | 4.0 | 5.0 | 26 | 34 | 11 | 300 | 0.078 |
| | 6.0 - 5.0 | 1 | 4 | **393.14-25 060** | 26 | 5.0 | 6.0 | 26 | 34 | 11 | 300 | 0.076 |
| | 7.0 - 6.0 | 1 | 4 | **393.14-25 070** | 26 | 6.0 | 7.0 | 26 | 34 | 11 | 300 | 0.076 |
| | 8.0 - 7.0 | 1 | 4 | **393.14-25 080** | 26 | 7.0 | 8.0 | 26 | 34 | 11 | 300 | 0.073 |
| | 9.0 - 8.0 | 1 | 4 | **393.14-25 090** | 26 | 8.0 | 9.0 | 26 | 34 | 11 | 300 | 0.078 |
| | 10.0 - 9.0 | 1 | 4 | **393.14-25 100** | 26 | 9.0 | 10.0 | 26 | 34 | 11 | 300 | 0.070 |
| | 11.0 - 10.0 | 1 | 4 | **393.14-25 110** | 26 | 10.0 | 11.0 | 26 | 34 | 11 | 300 | 0.067 |
| | 12.0 - 11.0 | 1 | 4 | **393.14-25 120** | 26 | 11.0 | 12.0 | 26 | 34 | 11 | 300 | 0.064 |
| | 13.0 - 12.0 | 1 | 4 | **393.14-25 130** | 26 | 12.0 | 13.0 | 26 | 34 | 11 | 300 | 0.063 |
| | 14.0 - 13.0 | 1 | 4 | **393.14-25 140** | 26 | 13.0 | 14.0 | 26 | 34 | 11 | 300 | 0.057 |
| | 15.0 - 14.0 | 1 | 4 | **393.14-25 150** | 26 | 14.0 | 15.0 | 26 | 34 | 11 | 300 | 0.054 |
| | 16.0 - 15.0 | 1 | 4 | **393.14-25 160** | 26 | 15.0 | 16.0 | 26 | 34 | 11 | 300 | 0.047 |

N23 N15

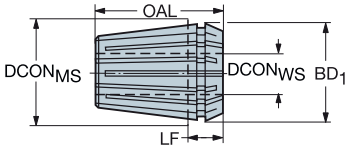
SPA

# Pinza Schaublin

**Refrigerante a través de la pinza**

**Compatible con DIN 6499-B**





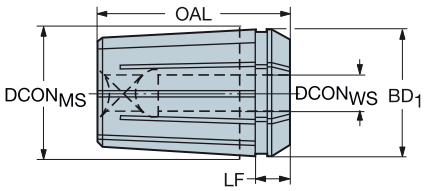

| | | | | | Dimensiones, mm | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCONN_{WS}$ | $DCONX_{WS}$ | $BD_1$ | OAL | LF | BAR | KG |
| ER32 | 2.5 - 2.0 | 1 | 4 | **393.14-32 025** | 33 | 2.0 | 2.5 | 33 | 40 | 12 | 300 | 0.155 |
| | 3.0 - 2.5 | 1 | 4 | **393.14-32 030** | 33 | 2.5 | 3.0 | 33 | 40 | 12 | 300 | 0.161 |
| | 4.0 - 3.0 | 1 | 4 | **393.14-32 040** | 33 | 3.0 | 4.0 | 33 | 40 | 12 | 300 | 0.154 |
| | 5.0 - 4.0 | 1 | 4 | **393.14-32 050** | 33 | 4.0 | 5.0 | 33 | 40 | 12 | 300 | 0.151 |
| | 6.0 - 5.0 | 1 | 4 | **393.14-32 060** | 33 | 5.0 | 6.0 | 33 | 40 | 12 | 300 | 0.157 |
| | 7.0 - 6.0 | 1 | 4 | **393.14-32 070** | 33 | 6.0 | 7.0 | 33 | 40 | 12 | 300 | 0.161 |
| | 8.0 - 7.0 | 1 | 4 | **393.14-32 080** | 33 | 7.0 | 8.0 | 33 | 40 | 12 | 300 | 0.158 |
| | 9.0 - 8.0 | 1 | 4 | **393.14-32 090** | 33 | 8.0 | 9.0 | 33 | 40 | 12 | 300 | 0.157 |
| | 10.0 - 9.0 | 1 | 4 | **393.14-32 100** | 33 | 9.0 | 10.0 | 33 | 40 | 12 | 300 | 0.144 |
| | 11.0 - 10.0 | 1 | 4 | **393.14-32 110** | 33 | 10.0 | 11.0 | 33 | 40 | 12 | 300 | 0.151 |
| | 12.0 - 11.0 | 1 | 4 | **393.14-32 120** | 33 | 11.0 | 12.0 | 33 | 40 | 12 | 300 | 0.147 |
| | 13.0 - 12.0 | 1 | 4 | **393.14-32 130** | 33 | 12.0 | 13.0 | 33 | 40 | 12 | 300 | 0.143 |
| | 14.0 - 13.0 | 1 | 4 | **393.14-32 140** | 33 | 13.0 | 14.0 | 33 | 40 | 12 | 300 | 0.142 |
| | 15.0 - 14.0 | 1 | 4 | **393.14-32 150** | 33 | 14.0 | 15.0 | 33 | 40 | 12 | 300 | 0.124 |
| | 16.0 - 15.0 | 1 | 4 | **393.14-32 160** | 33 | 15.0 | 16.0 | 33 | 40 | 12 | 300 | 0.126 |
| | 17.0 - 16.0 | 1 | 4 | **393.14-32 170** | 33 | 16.0 | 17.0 | 33 | 40 | 12 | 300 | 0.114 |
| | 18.0 - 17.0 | 1 | 4 | **393.14-32 180** | 33 | 17.0 | 18.0 | 33 | 40 | 12 | 300 | 0.108 |
| | 19.0 - 18.0 | 1 | 4 | **393.14-32 190** | 33 | 18.0 | 19.0 | 33 | 40 | 12 | 300 | 0.109 |
| | 20.0 - 19.0 | 1 | 4 | **393.14-32 200** | 33 | 19.0 | 20.0 | 33 | 40 | 12 | 300 | 0.095 |
| ER40 | 4.0 - 3.0 | 1 | 4 | **393.14-40 040** | 41 | 3.0 | 4.0 | 41 | 46 | 14 | 300 | 0.302 |
| | 5.0 - 4.0 | 1 | 4 | **393.14-40 050** | 41 | 4.0 | 5.0 | 41 | 46 | 14 | 300 | 0.316 |
| | 6.0 - 5.0 | 1 | 4 | **393.14-40 060** | 41 | 5.0 | 6.0 | 41 | 46 | 14 | 300 | 0.304 |
| | 7.0 - 6.0 | 1 | 4 | **393.14-40 070** | 41 | 6.0 | 7.0 | 41 | 46 | 14 | 300 | 0.282 |
| | 8.0 - 7.0 | 1 | 4 | **393.14-40 080** | 41 | 7.0 | 8.0 | 41 | 46 | 14 | 300 | 0.305 |
| | 9.0 - 8.0 | 1 | 4 | **393.14-40 090** | 41 | 8.0 | 9.0 | 41 | 46 | 14 | 300 | 0.302 |
| | 10.0 - 9.0 | 1 | 4 | **393.14-40 100** | 41 | 9.0 | 10.0 | 41 | 46 | 14 | 300 | 0.299 |
| | 11.0 - 10.0 | 1 | 4 | **393.14-40 110** | 41 | 10.0 | 11.0 | 41 | 46 | 14 | 300 | 0.295 |
| | 12.0 - 11.0 | 1 | 4 | **393.14-40 120** | 41 | 11.0 | 12.0 | 41 | 46 | 14 | 300 | 0.292 |
| | 13.0 - 12.0 | 1 | 4 | **393.14-40 130** | 41 | 12.0 | 13.0 | 41 | 46 | 14 | 300 | 0.286 |
| | 14.0 - 13.0 | 1 | 4 | **393.14-40 140** | 41 | 13.0 | 14.0 | 41 | 46 | 14 | 300 | 0.281 |
| | 15.0 - 14.0 | 1 | 4 | **393.14-40 150** | 41 | 14.0 | 15.0 | 41 | 46 | 14 | 300 | 0.275 |
| | 16.0 - 15.0 | 1 | 4 | **393.14-40 160** | 41 | 15.0 | 16.0 | 41 | 46 | 14 | 300 | 0.269 |
| | 17.0 - 16.0 | 1 | 4 | **393.14-40 170** | 41 | 16.0 | 17.0 | 41 | 46 | 14 | 300 | 0.261 |
| | 18.0 - 17.0 | 1 | 4 | **393.14-40 180** | 41 | 17.0 | 18.0 | 41 | 46 | 14 | 300 | 0.253 |
| | 19.0 - 18.0 | 1 | 4 | **393.14-40 190** | 41 | 18.0 | 19.0 | 41 | 46 | 14 | 300 | 0.250 |
| | 20.0 - 19.0 | 1 | 4 | **393.14-40 200** | 41 | 19.0 | 20.0 | 41 | 46 | 14 | 300 | 0.228 |
| | 21.0 - 20.0 | 1 | 4 | **393.14-40 210** | 41 | 20.0 | 21.0 | 41 | 46 | 14 | 300 | 0.217 |
| | 22.0 - 21.0 | 1 | 4 | **393.14-40 220** | 41 | 21.0 | 22.0 | 41 | 46 | 14 | 300 | 0.220 |
| | 23.0 - 22.0 | 1 | 4 | **393.14-40 230** | 41 | 22.0 | 23.0 | 41 | 46 | 14 | 300 | 0.210 |
| | 24.0 - 23.0 | 1 | 4 | **393.14-40 240** | 41 | 23.0 | 24.0 | 41 | 46 | 14 | 300 | 0.198 |
| | 25.0 - 24.0 | 1 | 4 | **393.14-40 250** | 41 | 24.0 | 25.0 | 41 | 46 | 14 | 300 | 0.187 |
| | 26.0 - 25.0 | 1 | 4 | **393.14-40 260** | 41 | 25.0 | 26.0 | 41 | 46 | 14 | 300 | 0.174 |
| ER50 | 26.0 - 24.0 | 1 | 4 | **393.14-50 260** | 52 | 24.0 | 26.0 | 52 | 60 | 21 | 300 | 0.478 |
| | 28.0 - 26.0 | 1 | 4 | **393.14-50 280** | 52 | 26.0 | 28.0 | 52 | 60 | 21 | 300 | 0.461 |
| | 30.0 - 28.0 | 1 | 4 | **393.14-50 300** | 52 | 28.0 | 30.0 | 52 | 60 | 21 | 300 | 0.413 |
| | 32.0 - 30.0 | 1 | 4 | **393.14-50 320** | 52 | 30.0 | 32.0 | 52 | 60 | 21 | 300 | 0.371 |
| | 34.0 - 32.0 | 1 | 4 | **393.14-50 340** | 52 | 32.0 | 34.0 | 52 | 60 | 21 | 300 | 0.332 |
| | 36.0 - 34.0 | 1 | 4 | **393.14-50 360** | 52 | 34.0 | 36.0 | 52 | 60 | 21 | 300 | 0.279 |

N23 N15

# Pinza ER para mangos de machos

**Compatible con DIN 6499-B**



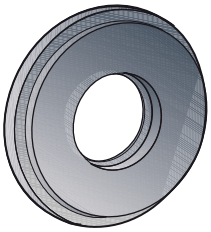


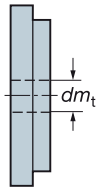

| | | | | | Dimensiones, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | $BD_1$ | OAL | LF | BAR | KG |
| ER11 | 4.00 x 3.15 | 1 | 4 | 393.14-11 D040X0315 | 11 | 4 | 11 | 18 | 4 | 300 | 0.009 |
| | 2.50 x 2.00 | 1 | 4 | 393.14-11 D025X021 | 11 | 2 | 11 | 18 | 4 | 300 | 0.009 |
| | 2.80 x 2.10 | 1 | 4 | 393.14-11 D028X021 | 11 | 2 | 11 | 18 | 4 | 300 | 0.010 |
| | 5.00 x 4.00 | 1 | 4 | 393.14-11 D050X040 | 11 | 5 | 11 | 18 | 4 | 300 | 0.008 |
| | 3.50 x 2.70 | 1 | 4 | 393.14-11 D035X027 | 11 | 3 | 11 | 18 | 4 | 300 | 0.010 |
| | 4.00 x 3.00 | 1 | 4 | 393.14-11 D040X030 | 11 | 4 | 11 | 18 | 4 | 300 | 0.009 |
| | 4.50 x 3.40 | 1 | 4 | 393.14-11 D045X034 | 11 | 4 | 11 | 18 | 4 | 300 | 0.008 |
| | 6.00 x 4.90 | 1 | 4 | 393.14-11 D060X049 | 11 | 6 | 11 | 18 | 4 | 300 | 0.007 |
| ER20 | 4.00 x 3.15 | 1 | 4 | 393.14-20 D040X0315 | 20 | 4 | 21 | 31 | 7 | 300 | 0.047 |
| | 5.00 x 4.00 | 1 | 4 | 393.14-20 D050X040 | 20 | 5 | 21 | 31 | 7 | 300 | 0.044 |
| | 3.50 x 2.70 | 1 | 4 | 393.14-20 D035X027 | 20 | 3 | 21 | 31 | 7 | 300 | 0.045 |
| | 6.30 x 5.00 | 1 | 4 | 393.14-20 D063X050 | 20 | 6 | 21 | 31 | 7 | 300 | 0.042 |
| | 7.10 x 5.60 | 1 | 4 | 393.14-20 D071X056 | 20 | 7 | 21 | 31 | 7 | 300 | 0.043 |
| | 4.50 x 3.40 | 1 | 4 | 393.14-20 D045X034 | 20 | 4 | 21 | 31 | 7 | 300 | 0.043 |
| | 8.00 x 6.30 | 1 | 4 | 393.14-20 D080X063 | 20 | 8 | 21 | 31 | 7 | 300 | 0.039 |
| | 5.50 x 4.30 | 1 | 4 | 393.14-20 D055X043 | 20 | 5 | 21 | 31 | 7 | 300 | 0.043 |
| | 9.00 x 7.10 | 1 | 4 | 393.14-20 D090X071 | 20 | 9 | 21 | 31 | 7 | 300 | 0.039 |
| | 6.00 x 4.90 | 1 | 4 | 393.14-20 D060X049 | 20 | 6 | 21 | 31 | 7 | 300 | 0.042 |
| | 10.00 x 8.00 | 1 | 4 | 393.14-20 D100X080 | 20 | 10 | 21 | 31 | 7 | 300 | 0.035 |
| | 7.00 x 5.50 | 1 | 4 | 393.14-20 D070X055 | 20 | 7 | 21 | 31 | 7 | 300 | 0.041 |
| ER25 | 8.00 x 6.30 | 1 | 4 | 393.14-25 D080X063 | 25 | 8 | 26 | 34 | 8 | 300 | 0.077 |
| | 9.00 x 7.10 | 1 | 4 | 393.14-25 D090X071 | 25 | 9 | 26 | 34 | 8 | 300 | 0.077 |
| | 6.00 x 4.90 | 1 | 4 | 393.14-25 D060X049 | 25 | 6 | 26 | 34 | 8 | 300 | 0.077 |
| | 10.00 x 8.00 | 1 | 4 | 393.14-25 D100X080 | 25 | 10 | 26 | 34 | 8 | 300 | 0.074 |
| | 7.00 x 5.50 | 1 | 4 | 393.14-25 D070X055 | 25 | 7 | 26 | 34 | 8 | 300 | 0.076 |
| | 11.20 x 9.00 | 1 | 4 | 393.14-25 D112X090 | 25 | 11 | 26 | 34 | 8 | 300 | 0.071 |
| | 12.50 x 10.00 | 1 | 4 | 393.14-25 D125X100 | 25 | 12 | 26 | 34 | 8 | 300 | 0.065 |
| | 14.00 x 11.20 | 1 | 4 | 393.14-25 D140X112 | 25 | 14 | 26 | 34 | 8 | 300 | 0.057 |
| | 11.00 x 9.00 | 1 | 4 | 393.14-25 D110X090 | 25 | 11 | 26 | 34 | 8 | 300 | 0.071 |
| | 12.00 x 9.00 | 1 | 4 | 393.14-25 D120X090 | 25 | 12 | 26 | 34 | 8 | 300 | 0.067 |
| | 16.00 x 12.00 | 1 | 4 | 393.14-25 D160X120 | 25 | 16 | 26 | 34 | 8 | 300 | 0.047 |
| ER40 | 12.50 x 10.00 | 1 | 4 | 393.14-40 D125X100 | 40 | 12 | 41 | 46 | 11 | 300 | 0.283 |
| | 14.00 x 11.20 | 1 | 4 | 393.14-40 D140X112 | 40 | 14 | 41 | 46 | 11 | 300 | 0.275 |
| | 16.00 x 12.50 | 1 | 4 | 393.14-40 D160X125 | 40 | 16 | 41 | 46 | 11 | 300 | 0.265 |
| | 12.00 x 9.00 | 1 | 4 | 393.14-40 D120X090 | 40 | 12 | 41 | 46 | 11 | 300 | 0.281 |
| | 18.00 x 14.50 | 1 | 4 | 393.14-40 D180X145 | 40 | 18 | 41 | 46 | 11 | 300 | 0.248 |
| | 20.00 x 16.00 | 1 | 4 | 393.14-40 D200X160 | 40 | 20 | 41 | 46 | 11 | 300 | 0.234 |
| | 22.00 x 18.00 | 1 | 4 | 393.14-40 D220X180 | 40 | 22 | 41 | 46 | 11 | 300 | 0.213 |
| ER50 | 22.00 x 18.00 | 1 | 4 | 393.14-50 D220X180 | 52 | 22 | 52 | 60 | 17 | 300 | 0.543 |
| | 25.00 x 20.00 | 1 | 4 | 393.14-50 D250X200 | 52 | 25 | 52 | 60 | 17 | 300 | 0.500 |
| | 28.00 x 22.00 | 1 | 4 | 393.14-50 D280X220 | 52 | 28 | 52 | 60 | 17 | 300 | 0.449 |
| | 32.00 x 24.00 | 1 | 4 | 393.14-50 D320X240 | 52 | 32 | 52 | 60 | 17 | 300 | 0.380 |

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SPA

# Discos de sellado para pinza ER



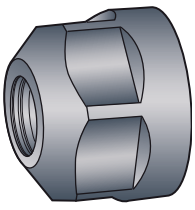


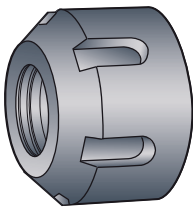

| Tamaño 16 | | Tamaño 25 | | Tamaño 32 | | Tamaño 40 | |
|---|---|---|---|---|---|---|---|
| Gama, mm $dm_t$ | **Código de pedido** | Gama, mm $dm_t$ | **Código de pedido** | Gama, mm $dm_t$ | **Código de pedido** | Gama, mm $dm_t$ | **Código de pedido** |
| 3.0-2.5 | **3916.00300** | 6.0-5.5 | **3925.00600** | 3.0-2.5 | **3932.00300** | 6.0-5.5 | **3940.00600** |
| 4.0-3.5 | **3916.00400** | 7.0-6.5 | **3925.00700** | 4.0-3.5 | **3932.00400** | 7.0-6.5 | **3940.00700** |
| 5.0-4.5 | **3916.00500** | 8.0-7.5 | **3925.00800** | 5.0-4.5 | **3932.00500** | 8.0-7.5 | **3940.00800** |
| 6.0-5.5 | **3916.00600** | 9.0-8.5 | **3925.00900** | 6.0-5.5 | **3932.00600** | 9.0-8.5 | **3940.00900** |
| 7.0-6.5 | **3916.00700** | 10.0-9.5 | **3925.01000** | 7.0-6.5 | **3932.00700** | 10.0-9.5 | **3940.01000** |
| 8.0-7.5 | **3916.00800** | 11.0-10.5 | **3925.01100** | 8.0-7.5 | **3932.00800** | 11.0-10.5 | **3940.01100** |
| 9.0-8.5 | **3916.00900** | 12.0-11.5 | **3925.01200** | 9.0-8.5 | **3932.00900** | 12.0-11.5 | **3940.01200** |
| 10.0-9.5 | **3916.01000** | 13.0-12.5 | **3925.01300** | 10.0-9.5 | **3932.01000** | 13.0-12.5 | **3940.01300** |
| | | 14.0-13.5 | **3925.01400** | 11.0-10.5 | **3932.01100** | 14.0-13.5 | **3940.01400** |
| | | 15.0-14.5 | **3925.01500** | 12.0-11.5 | **3932.01200** | 15.0-14.5 | **3940.01500** |
| | | 16.0-15.5 | **3925.01600** | 13.0-12.5 | **3932.01300** | 16.0-15.5 | **3940.01600** |
| | | | | 14.0-13.5 | **3932.01400** | 17.0-16.5 | **3940.01700** |
| | | | | 15.0-14.5 | **3932.01500** | 18.0-17.5 | **3940.01800** |
| | | | | 16.0-15.5 | **3932.01600** | 19.0-18.5 | **3940.01900** |
| | | | | 17.0-16.5 | **3932.01700** | 20.0-19.5 | **3940.02000** |
| | | | | 18.0-17.5 | **3932.01800** | 21.0-20.5 | **3940.02100** |
| | | | | 19.0-18.5 | **3932.01900** | 22.0-21.5 | **3940.02200** |
| | | | | 20.0-19.5 | **3932.02000** | 25.0-24.5 | **3940.02500** |
| | | | | | | 26.0-25.5 | **3940.02600** |

| Tamaño 20 | |
|---|---|
| Gama, mm $dm_t$ | **Código de pedido** |
| 3.0-2.5 | **3920.00300** |
| 4.0-3.5 | **3920.00400** |
| 5.0-4.5 | **3920.00500** |
| 6.0-5.5 | **3920.00600** |
| 7.0-6.5 | **3920.00700** |
| 8.0-7.5 | **3920.00800** |
| 9.0-8.5 | **3920.00900** |
| 10.0-9.5 | **3920.01000** |
| 11.0-10.5 | **3920.01100** |
| 12.0-11.5 | **3920.01200** |
| 13.0-12.5 | **3920.01300** |

0,5 mm de capacidad por disco. Presión máx. de refrigerante 150 bar.

# Tuercas para pinzas ER con refrigerante interior y disco de sellado

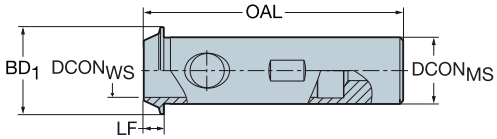




| CZC | **Código de pedido** | TDZ | **Llave** | |
|---|---|---|---|---|
| ER16 | **5533 051-01** | M22 x 1.5 | **5680 091-01** | |
| ER20 | **5533 051-02** | M25 x 1.5 | **5680 091-02** | |
| ER25 | **5533 051-03** | M32 x 1.5 | **5680 096-02** | |
| ER32 | **5533 051-04** | M40 x 1.5 | **5680 096-03** | |
| ER40 | **5533 051-05** | M50 x 1.5 | **5680 096-04** | |

# Manguito para cabeza de mandrinado de precisión






| | | | | | Dimensiones, mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | $BD_1$ | OAL | LF | BAR | KG |
| 20 | 16 | 1 | 1 | **393.37A-20 16 072** | 20 | 16 | 26 | 78 | 6 | 20 | 0.114 |

Debe utilizarse con barras de mandrinar R429U/R429.90

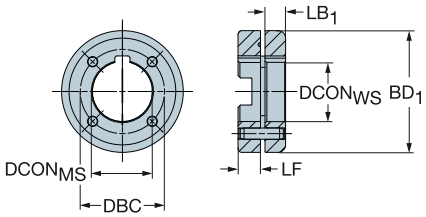
N23 N15

SPA

# Artículo de montaje

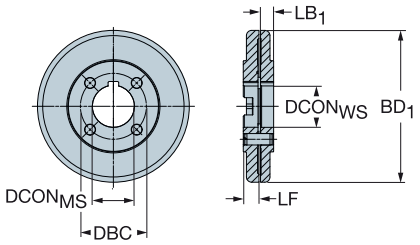
**Brida de sujeción para CoroMill® QD**






| | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | OAL | LF | $LB_1$ | $BD_1$ | BAR | KG |
| 32 | X32 | 4 | 4 | **5549 201-011** | 32.00 | 32.00 | 2.40 | 25.40 | 12 | 11.00 | 65.00 | 80 | 0.46 |
| 40 | X40 | 4 | 4 | **5549 201-021** | 40.00 | 40.00 | 2.40 | 29.00 | 15 | 11.60 | 87.00 | 80 | 0.98 |





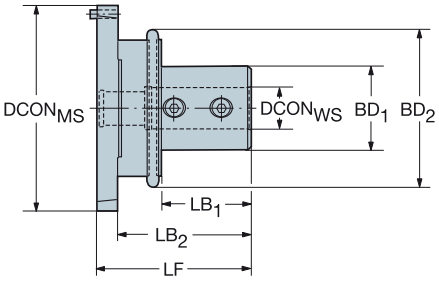

| | | | | | Dimensiones, mm | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | **Código de pedido** | $DCON_{MS}$ | $DCON_{WS}$ | LSC | OAL | LF | $LB_1$ | $BD_1$ | BAR | KG |
| 40 | X40 | 4 | 4 | **5549 201-041** | 40.00 | 40.00 | 2.40 | 29.00 | 15 | 12.50 | 145.00 | 80 | 2.75 |
| | X40 | 4 | 4 | **5549 201-081** | 40.00 | 40.00 | 2.40 | 29.00 | 15 | 11.60 | 185.00 | 80 | 4.62 |

ISO 13399 N23

CNSC CXSC N15

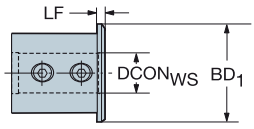
## Corredera a broca, adaptador ajustable






| | | | | | Dimensiones, mm | | | | | | | | | BAR | KG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LF | $LB_1$ | $LB_2$ | $LB_3$ | $BD_1$ | $BD_2$ | $BD_3$ | | |
| 01 | 20 | 1 | 1 | 393.277-20 01 075A | 78.0 | 20.0 | 75.0 | 44.0 | 65.0 | 75.0 | 40.0 | 55.2 | 78.0 | 20 | 0.85 |
| | 25 | 1 | 1 | 393.277-25 01 080A | 78.0 | 25.0 | 80.0 | 50.0 | 70.0 | 80.0 | 45.0 | 55.2 | 78.0 | 20 | 0.94 |
| 02 | 20 | 1 | 1 | 393.277-20 02 075A | 98.0 | 20.0 | 75.0 | 44.0 | 65.0 | 75.0 | 40.0 | 75.2 | 98.0 | 20 | 1.26 |
| | 25 | 1 | 1 | 393.277-25 02 085A | 98.0 | 25.0 | 85.0 | 54.0 | 75.0 | 85.0 | 45.0 | 75.2 | 98.0 | 20 | 1.39 |
| | 32 | 1 | 1 | 393.277-32 02 085A | 98.0 | 32.0 | 85.0 | 54.0 | 75.0 | 85.0 | 52.0 | 75.2 | 98.0 | 20 | 1.47 |
| 03 | 40 | 1 | 1 | 393.277-40 03 090A | 136.0 | 40.0 | 90.0 | 65.0 | 90.0 | | 65.0 | 136.0 | | 20 | 3.52 |
| | 50 | 1 | 1 | 393.277-50 03 100A | 136.0 | 50.0 | 100.0 | 75.0 | 110.0 | | 75.0 | 163.0 | | 20 | 3.90 |

## Manguito

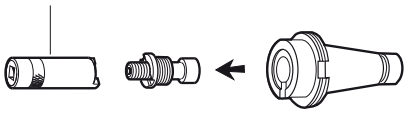



| | | | | | Dimensiones, mm | | | | | BAR | KG |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $CZC_{MS}$ | $CZC_{WS}$ | CNSC | CXSC | Código de pedido | $DCON_{MS}$ | $DCON_{WS}$ | LSC | LF | $BD_1$ | | |
| 40 | 32 | 1 | 1 | 393.277-40 32 074A | 40.0 | 32.0 | 70 | 4.0 | 48.0 | 80 | 0.30 |

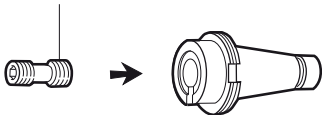
## VL

**Herramienta de trepanado**

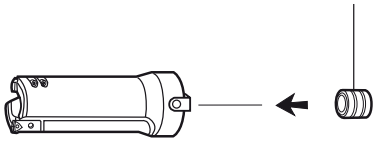
**1.**



**2.**



**3.**



| 1. Código de pedido Llave | 2. Código de pedido Tornillo | 3. Código de pedido Manguito centrador |
|---|---|---|
| 5680 065-02 | 5516 030-01 | 5638 030-01 |

N23

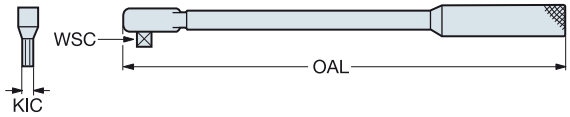
N15

SPA

# Herramientas de montaje

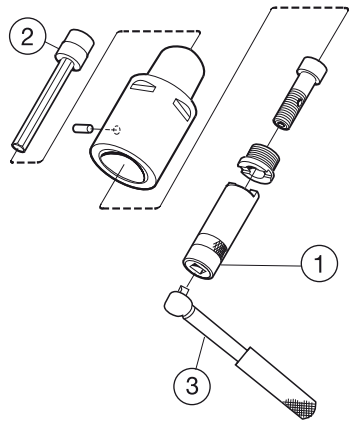
**Coromant Capto®**

## Llave dinamométrica para unidades de sujeción manuales, cambio rápido




| Tamaño del acoplamiento | **Llave dinamométrica** **Código de pedido** | Dimensiones, mm Gama de par torsor, Nm | WSC | OAL | **Adaptador de llave** **Código de pedido** | KIC |
|---|---|---|---|---|---|---|
| C3 | **C-TK-01M** | 20-100 | 1/2" | 345 | **5680 035-14** | 8 |
| C4 | **C-TK-01M** | 20-100 | 1/2" | 345 | **5680 035-06** | 10 |
| C5 | **C-TK-01M** | 20-100 | 1/2" | 345 | **5680 035-07** | 12 |
| C6 | **C-TK-01M** | 20-100 | 1/2" | 345 | **5680 035-07** | 12 |
| C8 | **C-TK-02** | 40-200 | 1/2" | 440 | **5680 035-07** | 12 |
| C10 | **C-TK-03** | 60-300 | 1/2" | 548 | **5680 035-10** | 17 |

## Llave dinamométrica para montajes modulares, sujeción por tornillo central




| Tamaño del acoplamiento | **3. Llave dinamométrica** **Código de pedido** | Dimensiones, mm Gama de par torsor, Nm | WSC | OAL | **2. Llave de extensión** **Código de pedido** | KIC | **1. Llave de tuercas de retención** **Código de pedido** |
|---|---|---|---|---|---|---|---|
| C3 | **C-TK-02** | 40-200 | 1/2" | 345 | **5680 015-05** | 8 | **5680 065-13** |
| C4 | **C-TK-02** | 40-200 | 1/2" | 345 | **5680 015-05** | 8 | **5680 065-10** |
| C5 | **C-TK-02** | 40-200 | 1/2" | 345 | **5680 015-01** | 10 | **5680 065-11** |
| C6 | **C-TK-02** | 40-200 | 1/2" | 345 | **5680 015-02** | 14 | **5680 065-12** |
| C8 | **C-TK-02** | 40-200 | 1/2" | 440 | **5680 015-02** | 14 | **5680 065-12** |
| C10 | **C-TK-04** | 80-400 | 3/4" | 683 | **5680 015-06** | 17 | **5680 065-14** |

Debe calibrarse según ISO 6789, con una precisión del 4%

# Herramientas de montaje

**Llave dinamométrica**



| Código de pedido | Intervalo de pares | Adaptador de las puntas |
|---|---|---|
| ER-TK-01M | 10-50 Nm | 16 |
| ER-TK-02M | 50-300 Nm | 16 |

# Puntas



| Código de pedido | Tamaño ER | Adaptador de las puntas |
|---|---|---|
| 5680 103-01 | ER 11 | 16 |
| 5680 103-02 | ER 16 | 16 |
| 5680 103-03 | ER 20 | 16 |



| Código de pedido | Tamaño ER | Tamaño del MDI | Adaptador de las puntas |
|---|---|---|---|
| 5680 103-04 | ER 25 | | 16 |
| 5680 103-05 | ER 32 | 20 | 16 |
| 5680 103-06 | ER 40 | 25 | 16 |
| 5680 103-07 | | 32 | 16 |
| 5680 103-08 | | 40 | 16 |
| 5680 103-09 | | 50 | 16 |

SPA

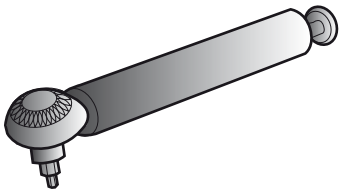
# Herramientas de montaje

## Llave para pinza integrada

| CZC | **Código de pedido** | |
|---|---|---|
| ER11 | **5680 091-03** | |
| ER16 | **5680 096-06** | |
| ER20 | **5680 096-01** | |
| ER25 | **5680 096-02** | |
| ER32 | **5680 096-03** | |

## CoroChuck™ 930

**Llave dinamométrica**

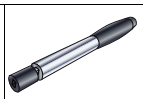


| **Código de pedido** |
|---|
| **5680 099-01** |

## Coromant EH

**Piezas de repuesto principales**





| Tamaño del acoplamiento | Llave | Cabeza de llave dinamométrica[1)] | Cabeza de llave dinamométrica para ranurado de 2 filos[1)] | Valor de par de apriete Nm | Llave dinamométrica | Intervalo de pares Nm |
|---|---|---|---|---|---|---|
| E10 | 5680 093-01 | 5680 089-01 | 5680 089-06 | 12 | 5680 088-01 | 10-20 |
| E12 | 5680 093-02 | 5680 089-02 | 5680 089-07 | 15 | 5680 088-01 | 10-20 |
| E16 | 5680 093-03 | 5680 089-03 | 5680 089-08 | 30 | 5680 088-02 | 25-65 |
| E20 | 5680 093-04 | 5680 089-04 | | 50 | 5680 088-02 | 25-65 |
| E25 | 5680 093-05 | 5680 089-05 | | 65 | 5680 088-02 | 25-65 |

[1)] Las piezas de repuesto deben pedirse por separado

# Llave dinamométrica Torx Plus®

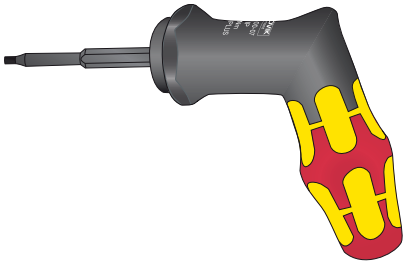
Un apriete correcto al montar las plaquitas en las fresas es un requisito importante para un buen funcionamiento de la herramienta. Junto con los tornillos Torx Plus, la nueva llave es una garantía de fijación segura y optimizada de la plaquita.

Las llaves, disponibles en 6 tamaños y probadas para resistir hasta 10 000 aprietes, han sido calibradas a la medida del par de apriete necesario para garantizar así una fijación correcta de la plaquita en las fresas de Sandvik Coromant.

Siempre se recomienda el uso de una llave dinamométrica para fresas con tornillo Torx plus. La nueva llave debe pedirse por separado.

**Nota.** Torx Plus es una marca registrada de Camcar Textron (USA).

**Nota.**
Tenga en cuenta que las nuevas llaves y los destornilladores Torx Plus NO sirven para tornillos Torx estándar.



5680 100-07 (20IP) and 5680 100-08 (25IP)

**Llave dinamométrica Torx Plus®**

| Llave dinamométrica | Tamaño | Par torsorNm | |
|---|---|---|---|
| **5680 100-01** | 6IP | 0.6 | |
| **5680 100-02** | 7IP | 0.9 | |
| **5680 100-03** | 8IP | 1.2 | |
| **5680 100-04** | 9IP | 1.4 | |
| **5680 100-05** | 10IP | 2.0 | |
| **5680 100-06** | 15IP | 3.0 | |
| **5680 100-07** | 20IP | 5.0 | |
| **5680 100-08** | 25IP | 7.5 | |
| **5680 100-09** | HEX 5 | 6.0 | |
| **5680 100-10** | 20IP | 6.0 | |

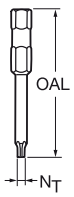
# Llave dinamométrica y puntas

**5680 105-01**
**5680 105-02**



**5680 105-05**
**5680 105-06**






| Llave dinamométrica | Intervalo de pares Nm | Mango |
|---|---|---|
| **5680 105-01** | 0.3 - 1.2 | Recto |
| **5680 105-02** | 1.2 - 3.0 | Recto |
| **5680 105-05** | 3.0 - 6.0 | Angular |
| **5680 105-06** | 4.0 - 8.8 | Angular |

| Punta | OAL mm | $N_T$ Torx Plus |
|---|---|---|
| **5680 084-01** | 50 | 8IP |
| **5680 084-02** | 50 | 15IP |
| **5680 084-03** | 89 | 15IP |
| **5680 084-04** | 50 | 7IP |
| **5680 084-05** | 50 | 9IP |
| **5680 084-06** | 50 | 10IP |
| **5680 084-07** | 50 | 20IP |
| **5680 084-08** | 89 | 20IP |
| **5680 084-09** | 89 | 25IP |
| **5680 084-10** | 89 | 30IP |
| **5680 084-11** | 50 | 6IP |
| **5680 084-12** | 80 | 27IP |
| **5680 084-13** | 35 | 50IP |

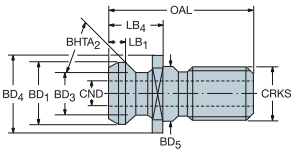
| Punta | OAL mm | $N_T$ Torx Plus |
|---|---|---|
| **5680 084-14** | 50 | 30IP |
| **5680 084-15** | 25 | 15IP |
| **5680 084-16** | 25 | 30IP |
| **5680 084-17** | 25 | 6IP |
| **5680 084-18** | 25 | 7IP |
| **5680 084-19** | 25 | 8IP |
| **5680 084-20** | 25 | 9IP |
| **5680 084-21** | 25 | 10IP |
| **5680 084-22** | 25 | 20IP |
| **5680 084-23** | 25 | 25IP |
| **5680 083-01** | 25 | HEX3 |
| **5680 083-04** | 50 | HEX2,5 |
| | | |

SPA

# Tirantes de tracción



PS-VxxC

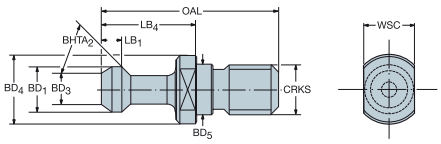



**CAT-V**

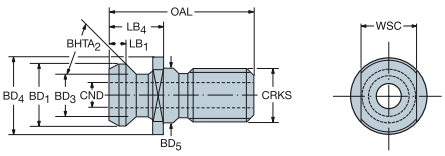
| | | | | | Dimensiones, mm | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CZC | CRKS | CNSC | CXSC | **Código de pedido** | WSC | $LB_1$ | $LB_4$ | CND | $BD_1$ | $BD_3$ | $BD_4$ | $BD_5$ | $BHTA_2$ | OAL | KG | Máquina |
| 40 | M16 | 1 | 1 | **PS-V40C-45-001** | 18 | 5.4 | 16.4 | 7 | 19.0 | 12.9 | 22.5 | | 45° | 38 | 0.04 | |
| | M16 | 1 | 1 | **PS-V40C-45-006** | 19 | 5.1 | 19.1 | 6 | 18.8 | 12.4 | 22.1 | 17 | 45° | 47 | 0.06 | Fadal |
| 50 | M24 | 1 | 1 | **PS-V50C-45-001** | 30 | 7.7 | 25.5 | 11 | 29.1 | 19.6 | 37.0 | | 45° | 59 | 0.15 | |
| | 1-8 UNC | 1 | 1 | **PS-V50C-45-005** | 31 | 7.6 | 25.4 | 11 | 29.0 | 20.8 | 36.3 | 26 | 45° | 58 | 0.17 | Mazak |
| | 1-8 UNC | 1 | 1 | **PS-V50C-45-008** | 29 | 9.9 | 45.2 | 9 | 22.9 | 16.9 | 38.1 | 24 | 45° | 79 | 0.20 | Makino |
| | 1-8 UNC | 1 | 1 | **PS-V50C-60-001** | 29 | 9.9 | 44.9 | 6 | 23.0 | 17.0 | 38.1 | 25 | 60° | 82 | 0.29 | Okuma |



PS-Ixx




PS-IxxC




**ISO**

| | | | | | Dimensiones, mm | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CZC | CRKS | CNSC | CXSC | **Código de pedido** | WSC | $LB_1$ | $LB_4$ | CND | $BD_1$ | $BD_3$ | $BD_4$ | $BD_5$ | $BHTA_2$ | OAL | KG | BSG | Máquina |
| 30 | M12 | 0 | 0 | **PS-I30-75-001** | 14 | 5.0 | 24.0 | | 13.0 | 9.0 | 17.0 | 13 | 75° | 44 | 0.04 | | |
| 40 | M16 | 0 | 0 | **PS-I40-75-001** | 19 | 6.0 | 26.0 | | 19.0 | 14.0 | 23.0 | 17 | 75° | 54 | 0.05 | DIN 69872 | |
| | M16 | 1 | 1 | **PS-I40C-45-001** | 18 | 5.3 | 16.4 | 7 | 19.0 | 12.9 | 22.5 | 17 | 45° | 44 | 0.05 | ISO 7388 B | |
| | M16 | 1 | 1 | **PS-I40C-45-002** | 19 | 5.0 | 16.2 | 7 | 18.8 | 12.4 | 21.8 | 17 | 45° | 41 | 0.05 | | Mazak |
| | M16 | 1 | 1 | **PS-I40C-45-003** | 19 | 5.0 | 19.1 | 7 | 18.8 | 12.4 | 22.0 | 17 | 45° | 44 | 0.05 | | Mazak |
| | M16 | 1 | 1 | **PS-I40C-75-001** | 19 | 6.0 | 26.0 | 7 | 19.0 | 14.0 | 23.0 | 17 | 75° | 54 | 0.05 | DIN 69872 | |
| | M16 | 1 | 1 | **PS-I40C-75-002** | 19 | 6.0 | 26.0 | 7 | 19.0 | 14.0 | 23.0 | 17 | 75° | 54 | 0.05 | ISO 7388 | |
| | M16 | 1 | 1 | **PS-I40C-75-003** | 19 | 6.0 | 29.0 | 7 | 19.0 | 14.1 | 23.0 | 17 | 75° | 54 | 0.05 | | Mori Seiki |
| 50 | M24 | 0 | 0 | **PS-I50-45-001** | 30 | 7.6 | 25.5 | | 29.1 | 19.6 | 37.0 | 25 | 45° | 65 | 0.15 | ISO 7388 B | |
| | M24 | 0 | 0 | **PS-I50-75-001** | 30 | 9.0 | 34.0 | | 28.0 | 21.0 | 36.0 | 25 | 75° | 74 | 0.15 | DIN 69872 | |
| | M24 | 0 | 0 | **PS-I50-75-002** | 30 | 9.0 | 34.0 | | 28.0 | 21.0 | 36.0 | 20 | 75° | 74 | 0.15 | | |
| | M24 | 0 | 0 | **PS-I50-75-003** | 30 | 9.0 | 34.0 | | 28.0 | 21.1 | 36.0 | 25 | 75° | 74 | 0.15 | | |
| | M24 | 0 | 0 | **PS-I50-90-001** | 30 | 10.0 | 46.6 | | 22.0 | 16.0 | 39.0 | 32 | 90° | 99 | 0.15 | | GSP |
| | M24 | 1 | 1 | **PS-I50C-45-001** | 30 | 7.6 | 25.5 | 11 | 29.1 | 19.6 | 37.0 | 25 | 45° | 65 | 0.15 | ISO 7388 B | |
| | M24 | 1 | 1 | **PS-I50C-45-002** | 26 | 5.2 | 16.4 | 7 | 19.0 | 12.9 | 30.0 | 25 | 45° | 56 | 0.15 | | |
| | M24 | 1 | 1 | **PS-I50C-45-003** | 30 | 7.6 | 25.4 | 10 | 29.0 | 20.8 | 36.5 | 25 | 45° | 65 | 0.15 | | Yamazaki |
| | M24 | 1 | 1 | **PS-I50C-45-004** | 30 | 7.6 | 25.4 | 10 | 29.0 | 20.8 | 36.5 | 25 | 45° | 65 | 0.15 | | Yamazaki |
| | M24 | 1 | 1 | **PS-I50C-75-001** | 30 | 9.0 | 34.0 | 11 | 28.0 | 21.0 | 36.0 | 25 | 75° | 74 | 0.15 | DIN 69872 | |
| | M24 | 1 | 1 | **PS-I50C-75-002** | 30 | 9.0 | 34.0 | 11 | 28.0 | 21.0 | 36.0 | 25 | 75° | 74 | 0.15 | ISO 7388 | |
| | M24 | 1 | 1 | **PS-I50C-90-001** | 30 | 6.5 | 32.5 | 6 | 20.0 | 13.0 | 38.5 | | 90° | 70 | 0.15 | | Forest |




N23

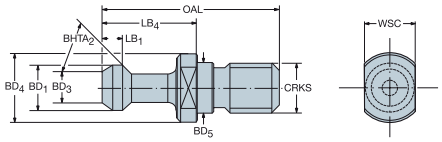



N15

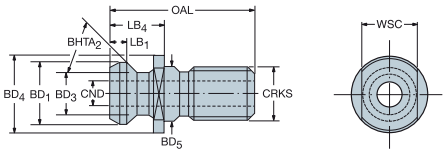
# Tirantes de tracción



PS-Bxx




PS-BxxC




**MAS-BT**

| | | | | | Dimensiones, mm | | | | | | | | | | KG | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CZC | CRKS | CNSC | CXSC | Código de pedido | WSC | $LB_1$ | $LB_4$ | CND | $BD_1$ | $BD_3$ | $BD_4$ | $BD_5$ | $BHTA_2$ | OAL | | BSG | Máquina |
| 30 | M12 | 0 | 0 | PS-B30-45-001 | 13 | 5.0 | 23.0 | | 11.0 | 7.0 | 16.0 | 12 | 45° | 43 | 0.03 | | |
| | M12 | 0 | 0 | PS-B30-60-001 | 13 | 7.0 | 35.0 | | 11.0 | 7.0 | 16.0 | 12 | 60° | 43 | 0.03 | | |
| | M12 | 1 | 1 | PS-B30C-45-001 | 13 | 5.0 | 23.0 | 2 | 11.0 | 7.0 | 16.5 | 12 | 45° | 43 | 0.03 | | |
| | M12 | 1 | 1 | PS-B30C-45-002 | 13 | 5.0 | 23.0 | 2 | 11.0 | 7.0 | 16.5 | 12 | 45° | 43 | 0.03 | | Mori Seiki |
| | M12 | 1 | 1 | PS-B30C-45-003 | 13 | 5.0 | 23.0 | 4 | 11.0 | 8.0 | 16.5 | 12 | 45° | 43 | 0.03 | | Fanuc |
| | M12 | 1 | 1 | PS-B30C-60-001 | 13 | 5.0 | 23.0 | 2 | 11.0 | 7.0 | 16.5 | 12 | 60° | 43 | 0.03 | | |
| | M12 | 1 | 1 | PS-B30C-60-002 | 13 | 5.0 | 23.0 | 2 | 11.0 | 7.5 | 16.5 | 12 | 60° | 43 | 0.03 | | Brother |
| 40 | M16 | 0 | 0 | PS-B40-45-001 | 19 | 7.0 | 35.0 | | 15.0 | 10.0 | 23.0 | 17 | 45° | 60 | 0.05 | | |
| | M16 | 0 | 0 | PS-B40-60-001 | 19 | 7.0 | 35.0 | | 15.0 | 10.0 | 23.0 | 17 | 60° | 60 | 0.05 | | |
| | M16 | 0 | 0 | PS-B40-90-001 | 19 | 7.0 | 35.0 | | 15.0 | 10.0 | 23.0 | 17 | 90° | 60 | 0.05 | | |
| | M16 | 1 | 1 | PS-B40C-45-001 | 19 | 7.0 | 35.0 | 4 | 15.0 | 10.0 | 23.0 | 17 | 45° | 60 | 0.05 | | |
| | M16 | 1 | 1 | PS-B40C-60-001 | 19 | 7.0 | 35.0 | 3 | 15.0 | 10.0 | 23.0 | 17 | 60° | 60 | 0.05 | | |
| | M16 | 1 | 1 | PS-B40C-75-001 | 18 | 11.4 | 25.1 | 7 | 25.3 | 21.1 | 25.3 | 17 | 75° | 53 | 0.05 | | |
| | M16 | 1 | 1 | PS-B40C-75-002 | 19 | 6.0 | 29.0 | 7 | 19.0 | 14.0 | 23.0 | 17 | 75° | 54 | 0.05 | JIS 40 | |
| | M16 | 1 | 1 | PS-B40C-90-001 | 19 | 7.0 | 35.0 | 3 | 15.0 | 10.0 | 23.0 | 17 | 90° | 60 | 0.05 | | |
| 50 | M24 | 0 | 0 | PS-B50-45-001 | 30 | 10.0 | 45.0 | | 23.0 | 17.0 | 38.0 | 25 | 45° | 85 | 0.25 | | |
| | M24 | 0 | 0 | PS-B50-60-001 | 30 | 10.0 | 45.0 | | 23.0 | 17.0 | 38.0 | 25 | 60° | 85 | 0.25 | | |
| | M24 | 0 | 0 | PS-B50-90-001 | 30 | 10.0 | 45.0 | | 23.0 | 17.0 | 38.0 | 25 | 90° | 85 | 0.25 | | Okuma |
| | M24 | 1 | 1 | PS-B50C-45-001 | 30 | 10.0 | 45.0 | 7 | 23.0 | 17.0 | 38.0 | 25 | 45° | 85 | 0.25 | | |
| | M24 | 1 | 1 | PS-B50C-60-001 | 30 | 10.0 | 45.0 | 8 | 23.0 | 17.0 | 38.0 | 25 | 60° | 85 | 0.25 | | |
| | M24 | 1 | 1 | PS-B50C-75-001 | 30 | 9.0 | 34.0 | 11 | 28.0 | 21.0 | 36.0 | 25 | 75° | 74 | 0.22 | JIS 50 | |
| | M24 | 1 | 1 | PS-B50C-90-001 | 30 | 8.0 | 31.0 | 6 | 24.0 | 18.0 | 36.0 | 25 | 90° | 71 | 0.20 | | Mitsui |
| | M24 | 1 | 1 | PS-B50C-90-002 | 30 | 10.0 | 45.0 | 8 | 23.0 | 17.0 | 38.0 | 25 | 90° | 85 | 0.25 | | Okuma |

N23 N15

# Información general

# Wiper

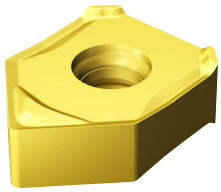
## Plaquitas para una mayor productividad

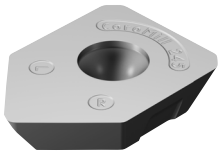
**Wiper**

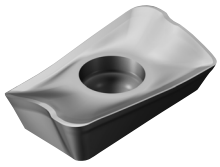
Es posible conseguir excelentes acabados superficiales con plaquitas estándar combinadas con una o más plaquitas Wiper. Las plaquitas Wiper trabajan mejor con un alto avance por vuelta, fn, en fresas de gran diámetro con paso reducido y posibilidad de ajuste.

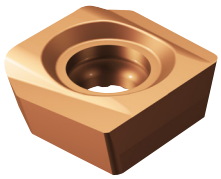
Es posible incrementar el avance por vuelta aprox. cuatro veces y aún mantener una buena calidad superficial. Las plaquitas Wiper se pueden utilizar para fresar en la mayor parte de materiales y generar un buen acabado superficial, incluso en condiciones desfavorables.





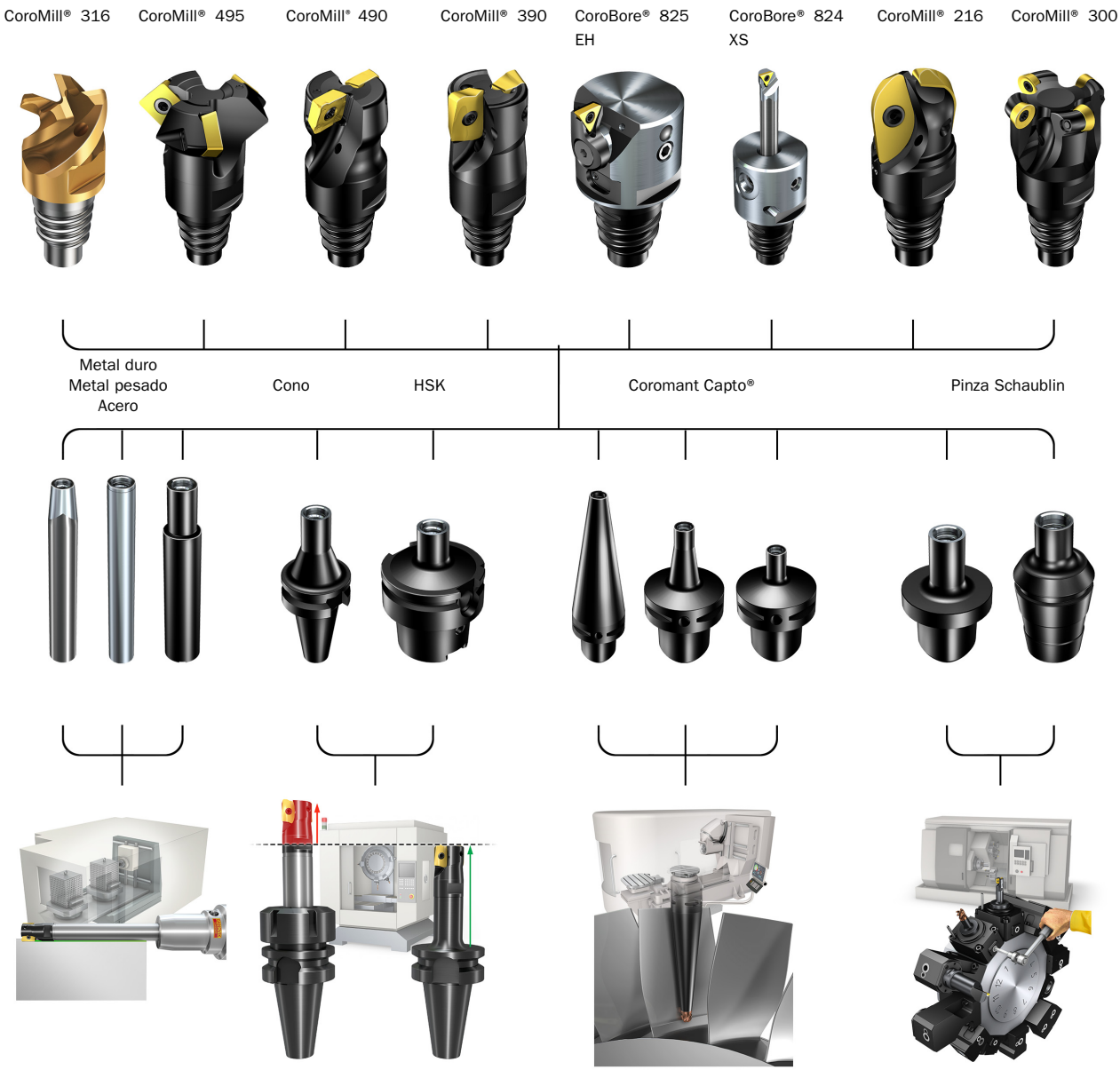




SPA

# Sistema modular - Coromant EH

## Flexibilidad de herramientas para diámetros reducidos




**Centros de mecanizado grandes**

Largo voladizo con estabilidad y holgura.

**Centros de mecanizado pequeños y medianos**

Cuando la línea de calibración es crítica.

**Centros de mecanizado de medianos a grandes**

Modularidad con Coromant Capto® en diferentes longitudes.

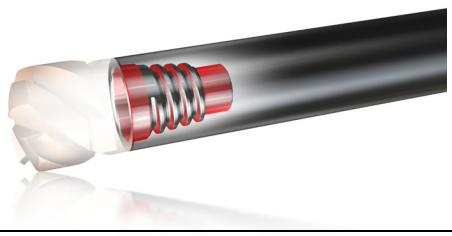
**Centros de torneado con portaherramientas accionados**

Longitud de calibración y diámetro de giro reducidos.

Para obtener más información sobre el sistema Coromant EH:
www.sandvik.coromant.com/coromanteh

### Acoplamiento EH

El acoplamiento EH se basa en un sistema de rosca de tornillo de autocentrado que proporciona un montaje seguro, estabilidad y resistencia. El acoplamiento cuenta con un tope físico que permite notar cuándo la cabeza está bien ajustada y ayuda a no sobrecargar la sujeción.



# CoroChuck™ 930

## Portapinzas hidráulico de gran precisión con una gran seguridad de extracción

### Aplicación

- Adecuado para operaciones de fresado y taladrado que requieren precisión, un manejo sencillo y una gran seguridad de extracción
- Cubre todos los principales adaptadores de máquina



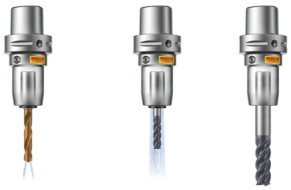
### Ventajas y características

- Alto régimen de arranque de la viruta para una productividad incrementada
- Proceso y mecanizado seguros
- Cambio y reglaje acelerado de la herramienta
- Excelente acabado superficial y prolongada vida útil de la herramienta
- Estrecha tolerancia del agujero
- La mejor seguridad de extracción del mercado gracias a la moderna tecnología Fulcrum*, utilizada para obtener un rendimiento de sujeción excelente con una elevada fuerza de sujeción. La fuerza de sujeción se repite una y otra vez
- Manejo sencillo con llave dinamométrica para proporcionar una sujeción segura
- El acoplamiento del lado de la máquina se rectifica como última operación para garantizar las exigencias de precisión más elevadas
- Repetición de gran precisión
- Equilibrado según DIN 69888
- Longitud de sujeción regulable con un tornillo de ajuste

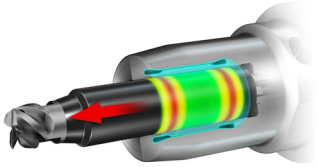
www.sandvik.coromant.com/corochuck930

### Tipos de acoplamiento disponibles

- Coromant Capto®
- HSK
- BIG-PLUS
- ISO
- CAT-V
- MAS-BT



CoroChuck™ 930 puede utilizarse con o sin pinzas de reducción. Para el suministro de refrigerante interior utilice las pinzas 393.CGS y para el suministro de refrigerante exterior utilice 393.CG.



La Tecnología Fulcrum* aporta la mejor seguridad de extracción del mercado. Esta permite una sujeción segura con dos soportes en cada lado (fulcros).



También disponibles con adaptador BIG-PLUS para centros de mecanizado.

SPA

# CoroChuck™ 970

## Para un proceso de roscado seguro

### Aplicación

- Para evitar el roscado sobredimensionado
- Adecuado para todas las operaciones de roscado sincronizado



### Ventajas y características

- Prolonga la vida útil de la herramienta de roscado
- Proceso de mecanizado seguro
- Reduce considerablemente el riesgo de mecanizar roscas sobredimensionadas
- El roscado con macho sincronizado reduce la fuerza de arrastre en los flancos del macho
- Profundidad precisa gracias a una compensación axial limitada
- Nuevo diseño mejorado para refrigerante interior
- Adecuado para refrigerante de alta presión de hasta 80 bar (1160 psi)
- Más extremos posteriores para ajustarse a la máquina

www.sandvik.coromant.com/corochuck970

### Tipos de acoplamiento disponibles

- Coromant Capto®
- Cono ISO (ISO, MAS-BT, CAT-V)
- HSK
- Cilíndrico
- Weldon
- Coromant EH

### Gama de productos

- Tamaños ER para CoroChuck 970: 8, 11, 20, 25, 32, 40 y 50.
- El tamaño ER 50 dispone de un cuadrado en el adaptador y debe usarse con el macho más grande (M48). La pinza que se utilizará con este macho no tendrá cuadrado.
- Para HSK 63 y HSK 100 se puede utilizar el sistema de mínima cantidad de lubricante (MQL por sus siglas en inglés) en los tamaños ER 20 y 25.

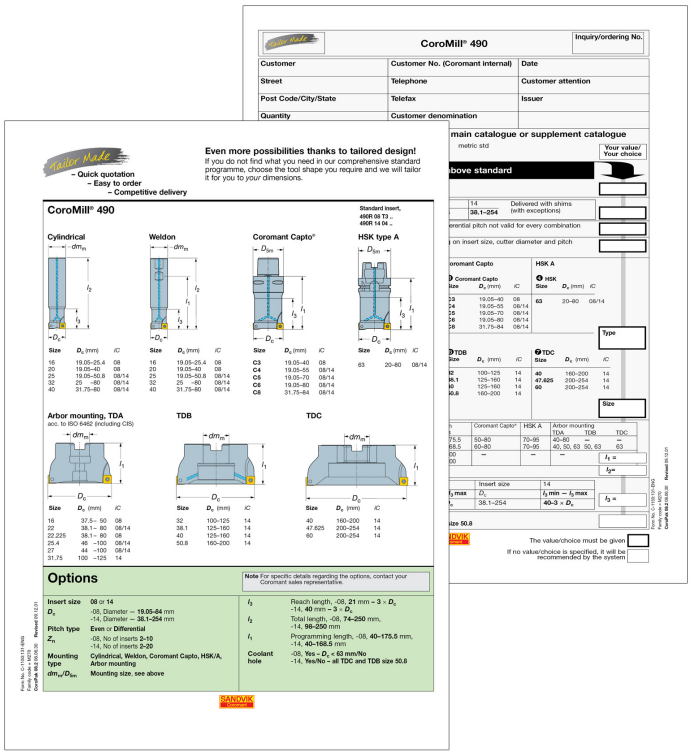
**Gama de productos**

| Diseño | Coromant Capto® | Coromant EH | Cono ISO (ISO, MAS-BT, CAT-V) | BIG-PLUS (ISO, MAS-BT, CAT-V) | HSK | Cilíndrico | Weldon |
|---|---|---|---|---|---|---|---|
| SynchroFlex® | C3, C4, C5, C6, C8, C10 | 25 | 30, 40, 50 | 30, 40, 50 | 63, 100 | 12, 16, 20 | 12, 16, 25, 25A, 40 |

# Tailor Made

## Más opciones de herramientas diseñadas para requisitos específicos.




Además de un amplio programa estándar, también le ofrecemos herramientas estándar a la medida de sus necesidades dimensionales. Nuestro servicio Tailor Made le permite indicar sus propias dimensiones sin necesidad de pagar el precio de una herramienta especial.

### Lo que puede esperar de nosotros

- Presupuesto rápido
- Pedido sencillo
- Garantía de rendimiento con un producto y datos de corte específicos
- Tiempos de entrega competitivos

www.sandvik.coromant.com/tailormade

La opción Tailor Made está disponible en las siguientes gamas de productos:

### Fresado

- CoroMill® 245
- CoroMill® 300
- CoroMill® 390
- CoroMill® 419
- CoroMill® 490
- CoroMill® 790
- CoroMill® Century
- CoroMill® 331
- CoroMill® QD
- CoroMill® 415
- CoroMill® 425
- CoroMill® 345
- CoroMill® 365
- CoroMill® 745

### Taladrado

- CoroDrill® 870
- CoroDrill® 880
- CoroDrill® DS20

### Adaptadores

- Coromant EH
- CoroChuck™ 930
- Coromant Capto®

### Soluciones especiales (proyectos de ingeniería)

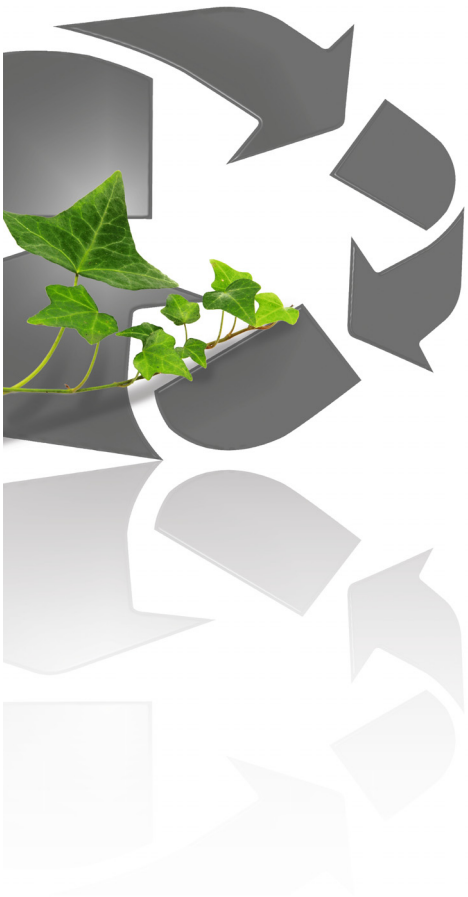
Cuando ni las soluciones estándar ni las Tailor Made respondan a sus necesidades, recurra a la extensa experiencia de Sandvik Coromant en soluciones de ingeniería diseñadas para satisfacer criterios especialmente exigentes.
Acceda a nuestros formularios Tailor Made en www.sandvik.coromant.com/es

SPA

# Por el bien del medio ambiente

## Haga suyo el concepto de Coromant Para Reciclado (CRC).

El concepto Coromant para Reciclado (CRC) es un servicio completo de recogida de plaquitas de metal duro usadas que Sandvik Coromant ofrece a todos sus clientes. A la vista del creciente uso de materias primas no renovables, el uso responsable de unos recursos cada vez más escasos es una responsabilidad ineludible para todos los fabricantes.
Por ello, Sandvik Coromant pone su grano de arena con su servicio de recogida de plaquitas y herramientas de metal duro usadas, para posteriormente reciclarlas de la manera más respetuosa con el medio ambiente.
Todas las plaquitas de metal duro usadas se recogen en la caja de acopio del taller. Cuando se llena dicha caja, se transfiere su contenido a otra caja de transporte, que se envía a la oficina de Sandvik Coromant más cercana o se entrega a su contacto Coromant habitual, quien también puede facilitarle más información.



### Las ventajas del CRC son evidentes

- Un sistema de reciclado internacional unificado.
- Para clientes directos y comerciales.
- Un procedimiento sencillo con cajas de acopio y transporte.
- Menos residuos, más respetuoso con el medio ambiente.
- Un mejor uso de los recursos.
- Se aceptan también plaquitas de metal duro de otros fabricantes.

Solicite cajas de acopio para cada torno, máquina fresadora, taladradora o centro de mecanizado. Le recomendamos que coloque una caja de acopio para las plaquitas y otra para las herramientas de metal duro en cada puesto de trabajo.

| | Números de pedido |
|---|---|
| Caja de acopio: | 91617 |
| Caja de transporte para herramientas de metal duro (madera): | 92994 |
| Caja de transporte para plaquitas (madera): | 92995 |

# Información de seguridad

## Composición de los materiales

**Portaherramientas**
Los portaherramientas contienen principalmente hierro (FE) y elementos poco aleados como cromo, níquel, manganeso, molibdeno y silicio.
**Plaquitas intercambiables/herramientas de corte/herramientas rotativas**
Las sustancias del metal duro suelen contener principalmente metal duro de tungsteno y cobalto. También pueden contener carburos y carbonitruros de los siguientes elementos: titanio, tántalo, niobio, cromo, molibdeno y vanadio.

## Vías de exposición

Al rectificar o calentar una barrita o un producto de metal duro, se producirá polvo o humo con sustancias peligrosas que pueden ser inhaladas o ingeridas, o que pueden entrar en contacto con la piel o los ojos.

## Toxicidad aguda

La inhalación o ingesta de dichas sustancias es tóxica. La inhalación puede ocasionar irritación e inflamación de las vías respiratorias. La inhalación simultánea de carburos de cobalto y tungsteno ha dado lugar a una toxicidad por inhalación mucho más elevada que la inhalación sólo de cobalto.
El contacto con la piel puede producir irritación y prurito. Las personas sensibilizadas pueden sufrir una reacción alérgica.

## Toxicidad crónica

La inhalación repetida de aerosoles con contenido en cobalto puede ocasionar obstrucción de las vías respiratorias. La inhalación prolongada de concentraciones crecientes puede producir fibrosis o cáncer de pulmón. Los estudios epidemiológicos indican que los trabajadores expuestos anteriormente a concentraciones elevadas de carburo de tungsteno/cobalto tienen mayor riesgo de desarrollar cáncer de pulmón.
El cobalto y el níquel son sensibilizadores potenciales. Un contacto prolongado o repetido puede provocar irritación.

## Riesgos

Tóxico: riesgo de daños graves para la salud por exposición prolongada a su inhalación
Tóxico por inhalación
Evidencia limitada de efecto carcinógeno.
Puede producir sensibilización por inhalación y contacto con la piel

## Medidas preventivas

Evite la formación e inhalación de polvo. Utilice un sistema local de ventilación adecuado para mantener la exposición del personal por debajo de los límites nacionales autorizados.
Si no se puede proveer de una buena ventilación, o ésta no es adecuada, utilice respiradores aprobados para este fin.
Utilice gafas de seguridad con protectores laterales cuando sea necesario.
Evite un contacto repetido con la piel. Utilice guantes de protección adecuados. Lávese a fondo la parte en contacto con el material después de su manipulación.
Utilice equipo de protección adecuado. Lave la ropa siempre que sea necesario.
No consuma alimentos ni bebidas ni fume en el área de trabajo. Lávese a fondo antes de comer, beber o fumar.



SPA

# Clave de códigos general para fresas CoroMill

| R | A | 390 | – | 063 | Q | 22 | L | – | 11 | M | 050 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | | 4 | 5 | 6 | 7 | | 8 | 9 | 10 |

### 1 Tipo

R = Fresado a derecha

### 2 Rendimiento

A = Pulgadas

### 3 Código principal

Ejemplo: 390 = CoroMill® 390

### 4 Diámetro de corte

Ejemplo: 063 = 63 mm

### 5 Tipo de acoplamiento

A = Cilíndrico mm
B = Weldon mm
C = Coromant Capto®
D = Cilíndrico pulg.
J = CIS montaje en eje
M = Weldon, pulg.
N = Whistle Notch pulg.
Q = Montaje en eje mm
O = Cilíndrico pulg.
R = Montaje en eje pulg.
T = Acoplamiento roscado
W = Whistle Notch mm
HA= HSK Forma A

### 6 Tamaño del acoplamiento

22 = 22 mm

### 7 Extra largo

L = Extra largo

### 8 Tamaño de la plaquita

11 = 11 mm (LE)

### 9

L = Paso amplio
M = Paso estrecho
H = Paso extra estrecho

### 10 Longitud, LF

Ejemplo: 050 = 50 mm

# Clave de códigos general para plaquitas CoroMill

| R | 390 | – | 11 | T3 | 12 | M | – | P | L | W |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | | 3 | 4 | 5 | 6 | | 7 | 8 | 9 |

### 1 Sentido de la plaquita

R = A derecha
L = A izquierda

### 2 Código principal

Ejemplo: 390= CoroMill® 390

### 3 Anchura de la plaquita

Ejemplo: 11 = 11 mm

### 4 Espesor de plaquita, S mm

Ejemplo: T3 S = 3.97
04 S = 4.76
06 S = 6.33

### 5 Radio de punta

Ejemplo: 12 = 1.2 mm

### 6 Rendimiento del filo

M = Mayor seguridad de filo.
E = Máxima agudeza y precisión
H = Elevada agudeza del filo y alta precisión
K = Agudeza de corte elevada

### 7 Principal área de aplicación ISO

P M K N S H

### 8 Operación

L = Corte ligero
M = Medio
H = Pesado
T = Tornofresado

### 9 Wiper

W = Wiper

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# Clave de códigos para CoroMill® 327

## Plaquita CoroMill 327

**Ranurado y achaflanado**

| 327 | R | 12 | – | 22 | 130 | 45 | 08 | – | GC |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | | 4 | 5 | 9 | 12 | | 7 |

**Roscado**

| 327 | R | 06 | – | 12 | 100 | VM | – | TH |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | | 4 | 10 | 11 | | 7 |

**Perfilado**

| 327 | R | 06 | – | 12 | 220 | 11 | – | RM |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | | 4 | 5 | 6 | | 7 |

**Ranurado**

| 327 | R | 12 | – | 28 | 150 | 01 | – | GM | M |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | | 4 | 5 | 6 | | 7 | 8 |

1 Nombre del producto
2 Plaquita a derecha
3 Tamaño de acoplamiento
4 $D_{mín}$ (mm)
5 Anchura de la plaquita
6 Radio ex 02 = radio de 0,2 mm
7 Tipo de plaquita
GM = Ranurado
RM = Radio de punta completa
CH = Achaflanado
GC = Ranurado y achaflanado
TH = Roscado
8 M = Paso normal
9 Biselado 45°
10 Paso de rosca
mm: paso x 100
11 Tipo de rosca
VM = Perfil en V 60°
MM = Métrico de 60°
WH = Whitworth 55°
12 Profundidad de corte máx., CDX en mm

## Mangos CoroMill® 327

| 327 | – | 12 | B | 15 | S | C | – | 06 |
|---|---|---|---|---|---|---|---|---|
| 1 | | 2 | 3 | 4 | 5 | 6 | | 7 |

1 Nombre del producto
2 Diámetro de mango, DCON
3 Tipo de mango
B = Weldon
4 Longitud de alcance
5 Materiales del mango
S = acero
E= metal duro enterizo
6 Refrigerante interior
7 Tamaño de acoplamiento

# Clave de códigos para CoroMill® 328

## Plaquita CoroMill 328

**Achaflanado**

| 328 | R | 13 | – | 110 | 45 | – | GC |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | | 4 | 7 | | 6 |

**Roscado**

| 328 | R | 13 | – | 150 | VM | – | TH |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | | 8 | 9 | | 6 |

**Ranurado**

| 328 | R | 13 | – | 110 | 01 | – | GM |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | | 4 | 5 | | 6 |

1 Nombre del producto
2 Plaquita a derecha
3 Tamaño de la plaquita
4 Anchura de la plaquita
5 Radio ex 02 = radio de 0,2 mm
6 Geometría
GM = Ranurado
GC = Ranurado y achaflanado
TH = Roscado
7 Biselado 45°
8 Paso de rosca mm: paso x 100
9 Tipo de rosca VM = Perfil en V 60°

## Fresas CoroMill® 328

| 328 | – | 039 | B | 25 | – | 13 | M |
|---|---|---|---|---|---|---|---|
| 1 | | 2 | 3 | 4 | | 5 | 6 |

1 Nombre del producto
2 Diámetro de corte, DC
3 Tipo de mango B = Weldon
Q = Eje
S = Agujero con chaveta
4 Diámetro del mango/acoplamientos (DCON)
5 Tamaño de la plaquita
6 Paso

SPA

# Códigos para portaherramientas

Portaplaquitas cilíndrico

| A | E12 | - | A | 20 | - | S | S | - | 140 |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | | 3 | 4 | | 5 | 6 | | 7 |

Portaherramientas Coromant Capto ®

| C3 | - | A | 391.EH | - | 10 | 035 |
|---|---|---|---|---|---|---|
| 8 | | 1 | 9 | | 10 | 7 |

Portaherramientas enterizo

| 392.45EH | - | 40 | - | 10 | - | 056 |
|---|---|---|---|---|---|---|
| 9 | | 11 | | 10 | | 7 |

| 1 Sistema de medición | 2 Tamaño de acoplamiento | 3 Tipo de mango |
|---|---|---|
| A = Versión en pulgadas | E12= EH, tamaño de acoplamiento | A = Cilíndrico |

| 4 Diámetro de mango | 5 Tipo de mango | 6 Material del mango | 7 Longitud de mango |
|---|---|---|---|
| Ejemplo: DCON = 20 mm | S = Recto<br>C = Cónico | S = Acero<br>E = Metal duro | Ejemplo: 140 = 140 mm |

| 8 Tamaño del acoplamiento | 9 Gama/tipo de portaherramientas | 10 Tamaño de acoplamiento | 11 Tamaño de cono |
|---|---|---|---|
| C = Coromant Capto® | 391.EH = Portaherramientas Coromant Capto® EH<br>392.140EH = ISO 7388.1<br>392.55EH = MAS-BT 403<br>A392.45EH = CAT V<br>392.410EH = Portaherramientas HSK, forma A/C<br>A392.R8EH = Portaherramientas Bridgeport<br>392.EREH = Portaherramientas ER integrado | Dimensiones del acoplamiento EH | Tamaño del cono para portaherramientas sólidos Coromant |

# Clave de códigos para portaherramientas enterizos

| A | A | 1 | B | 05 | – | 50 | 32 | 060 |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 |

**1 Versión en pulgadas**

**2 Refrigerante por el centro**

**3 Tipo de husillo**

1=ISO 7388/1 (DIN 69871)
2= MAS-BT
3= CAT brida en V

**4 Opciones**

B= Refrigerante a través de la brida
F= Montaje con brida
X= Muy corto

**5 Tipo de mango**

05 = Mango para fresa de planear
14= Portapinzas ER
20= Mango para fresa de ranurar, tipo Weldon
27= Portabrocas para agujero corto, mango ISO 9766

**6 Tamaño de cono 30, 40, 50**

**7 Tamaño de agujero o guía, $DCON_{WS}$**

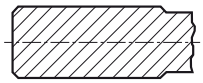
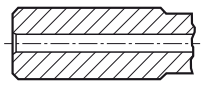
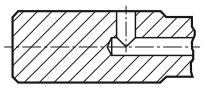
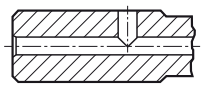
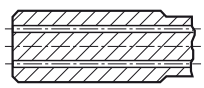
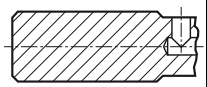
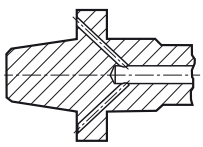
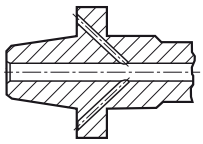
| mm | | |
|---|---|---|
| 09 | 19 | 38 |
| 13 | 25 | 51 |
| 16 | 32 | 63 |

**8 Longitud de programación, mm**

060 = 60 mm

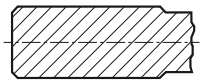
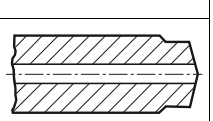
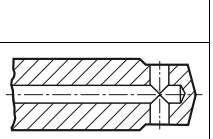
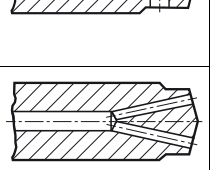
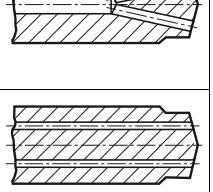
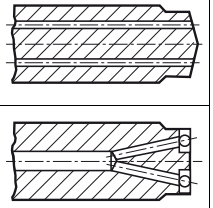
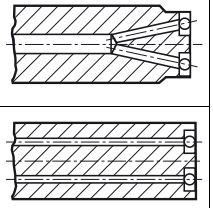
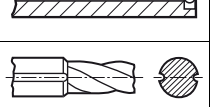
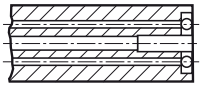
## CNSC

**Código del tipo de entrada de refrigerante**

| Código | Descripción | Imagen |
|---|---|---|
| 0 | Sin refrigerante |  |
| 1 | Entrada concéntrica axial |  |
| 2 | Entrada radial |  |
| 3 | Entrada concéntrica axial y entrada radial |  |
| 4 | Entrada concéntrica axial en círculo |  |
| 5 | Entrada radial antes del adaptador |  |
| 6 | Descentralizado sobre la brida |  |
| 7 | Descentralizado sobre la brida y axial |  |
| 8 | Descentralizado sobre las ranuras del mango |  |

## CXSC

**Código del tipo de salida de refrigerante**

| Código | Descripción | Imagen |
|---|---|---|
| 0 | Sin salida de refrigerante |  |
| 1 | Salida concéntrica axial |  |
| 2 | Salida radial |  |
| 3 | Salida inclinada axial |  |
| 4 | Concéntrica axial en círculo |  |
| 5 | Salida inclinada axial con boquilla, ajustable |  |
| 6 | Salida descentralizada con boquilla, ajustable |  |
| 7 | Descentralizado sobre las ranuras del mango |  |
| 8 | Salida axial o descentralizada con boquilla, ajustable |  |

# Fórmulas y definiciones:

| | |
|---|---|
| $v_c$ = Velocidad de corte | m/min (metros/minuto) |
| $n$ = Velocidad del husillo (rpm) | rpm (revoluciones por minuto) |
| $v_f$ = avance de mesa | mm/min |
| $z_n$ = número total de filos | |
| $z_c$ = número de filos efectivos | |
| $f_z$ = avance por diente | mm/z |
| $f_n$ = Avance por vuelta | mm/rev |
| $h_{ex}$ = grosor máximo | mm |
| $a_p$ = Profundidad de corte | mm |
| $a_e/D_c$ % = inmersión radial | % |
| $T$ = tiempo de mecanizado | mín. |
| $Q$ = velocidad de arranque de viruta | $cm^3/min$ |
| $nap$ = número de pasadas | |
| $k_c$ = fuerza de corte específica | $N/mm^2$ |
| $R_a$ = rugosidad superficial | µm |

**Tamaño de la plaquita**

△ = longitud del filo de corte en mm

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# Ifind

## Reunimos nuestras mejores herramientas para su comodidad

**Está online, en movimiento y en el taller. Esté donde esté, acceda a todas las funciones que necesita a través de la aplicación Ifind.**

**Esta aplicación le ayudará a encontrar las herramientas, las soluciones o la información necesaria para su trabajo. Puede obtener recomendaciones de herramientas, realizar compras, seguir sus pedidos e incluso continuar formándose. ¿Qué quiere hacer hoy?**

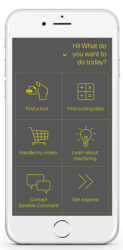
**Todos los contenidos de la aplicación Ifind están disponibles en cualquiera de sus dispositivos.?**

Available on the App Store

ANDROID APP ON Google play







# Lista de referencia cruzada de materiales

| ISO | MC | CMC | País | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Europa | Alemania | Gran Bretaña | | Suecia | EE. UU. | Francia | Italia | España | Japón |
| | | | Estándar | | | | | | | | | |
| | | | DIN EN | W.-nr. | BS | EN | SS | AISI/SAE/ASTM | AFNOR | UNI | UNE | JIS |
| P | **Acero no aleado** | | | | | | | | | | | |
| Acero | P1.1.Z.AN | 01.1 | S235JR G2 | 1.0038 | 4360 40 C | - | 1311 | A570.36 | E 24-2 Ne | - | - | STKM 12A;C |
| | P1.1.Z.AN | 01.1 | S235J2 G3 | 1.0116 | 4360 40 B | - | 1312 | A573-81 65 | E 24-U | Fe37-3 | - | - |
| | P1.1.Z.AN | 01.1 | C15 | 1.0401 | 080M15 | - | 1350 | 1015 | CC12 | C15C16 | F.111 | - |
| | P1.1.Z.AN | 01.1 | C22 | 1.0402 | 050A20 | 2C/2D | 1450 | 1020 | CC20 | C20C21 | F.112 | - |
| | P1.1.Z.AN | 01.1 | C15E | 1.1141 | 080M15 | 32C | 1370 | 1015 | XC12 | C16 | C15K | S15C |
| | P1.1.Z.AN | 01.1 | C25E | 1.1158 | - | - | - | 1025 | - | - | - | S25C |
| | P1.1.Z.AN | 01.1 | S380N | 1.8900 | 4360 55 E | - | 2145 | A572-60 | - | FeE390KG | - | - |
| | P1.1.Z.AN | 01.1 | 17MnV7 | 1.0870 | 4360 55 E | - | 2142 | A572-60 | NFA 35-501 E 36 | - | - | - |
| | P1.1.Z.AN | 02.1 | 55Si7 | 1.0904 | 250A53 | 45 | 2085 | 9255 | 55S7 | 55Si8 | 56Si7 | - |
| | P1.1.Z.AN | 02.2 | - | - | - | - | 2090 | 9255 | 55S7 | - | - | - |
| | P1.2.Z.AN | 01.2 | C35 | 1.0501 | 060A35 | - | 1550 | 1035 | CC35 | C35 | F.113 | - |
| | P1.2.Z.AN | 01.2 | C45 | 1.0503 | 080M46 | - | 1650 | 1045 | CC45 | C45 | F.114 | - |
| | P1.2.Z.AN | 01.2 | 40Mn4 | 1.1157 | 150M36 | 15 | - | 1039 | 35M5 | - | - | - |
| | P1.2.Z.AN | 01.2 | 36MN5 | 1.1167 | - | - | 2120 | 1335 | 40M5 | - | 36Mn5 | SMn438(H) |
| | P1.2.Z.AN | 01.2 | 28Mn6 | 1.1170 | 150M28 | 14A | - | 1330 | 20M5 | C28Mn | - | SCMn1 |
| | P1.2.Z.AN | 01.2 | C35G | 1.1183 | 060A35 | - | 1572 | 1035 | XC38TS | C36 | - | S35C |
| | P1.2.Z.AN | 01.2 | C45E | 1.1191 | 080M46 | - | 1672 | 1045 | XC42 | C45 | C45K | S45C |
| | P1.2.Z.AN | 01.2 | C53G | 1.1213 | 060A52 | - | 1674 | 1050 | XC48TS | C53 | - | S50C |
| | P1.2.Z.AN | 01.3 | C55 | 1.0535 | 070M55 | - | 1655 | 1055 | - | C55 | - | - |
| | P1.2.Z.AN | 01.3 | C55E | 1.1203 | 070M55 | - | - | 1055 | XC55 | C50 | C55K | S55C |
| | P1.2.Z.AN | 02.1 | S275J2G3 | 1.0144 | 4360 43C | - | 1412 | A573-81 | E 28-3 | - | - | SM 400A;B;C |
| | P1.2.Z.AN | 02.1 | S355J2G3+C2 | 1.0570 | 4360 50B | - | 2132 | - | E36-3 | Fe52BFN/Fe52CFN | - | SM490A;B;C;YA;YB |
| | P1.2.Z.AN | 02.1 | S355J2G3 | 1.0841 | 150 M 19 | - | 2172 | 5120 | 20 MC 5 | Fe52 | F-431 | - |
| | P1.3.Z.AN | 01.3 | C60E | 1.0601 | 080A62 | 43D | - | 1060 | CC55 | C60 | - | - |
| | P1.3.Z.AN | 01.3 | C60E | 1.1221 | 080A62 | 43D | 1678 | 1060 | XC60 | C60 | - | S58C |
| | P1.3.Z.AN | 01.4 | C101E | 1.1274 | 060 A 96 | - | 1870 | 1095 | XC 100 | - | F-5117 | - |
| | P1.3.Z.AN | 01.4 | C101u | 1.1545 | BW 1A | - | 1880 | W 1 | Y105 | C36KU | F-5118 | SK 3 |
| | P1.3.Z.AN | 01.4 | C105W1 | - | BW2 | - | 2900 | W210 | Y120 | C120KU | F.515 | SUP4 |
| | P1.3.Z.AN | 02.1 | S340 MGC | 1.0961 | - | - | - | 9262 | 60SC7 | 60SiCr8 | 60SiCr8 | - |
| | P1.4.Z.AN | 01.1 | 11SMn30 | 1.0715 | 230M07 | - | 1912 | 1213 | S250 | CF9SMn28 | 11SMn28 | SUM22 |
| | P1.4.Z.AN | 01.1 | 11SMnPb30 | 1.0718 | - | - | 1914 | 12L13 | S250Pb | CF9SMnPb28 | 11SMnPb28 | SUM22L |
| | P1.4.Z.AN | 01.1 | 10SPb20 | 1.0722 | - | - | - | - | 10PbF2 | CF10SPb20 | 10SPb20 | - |
| | P1.4.Z.AN | 01.1 | 11SMn37 | 1.0736 | 240M07 | 1B | - | 1215 | S 300 | CF9SMn36 | 12SMn35 | - |
| | P1.4.Z.AN | 01.1 | 11SMnPb37 | 1.0737 | - | - | 1926 | 12L14 | S300Pb | CF9SMnPb36 | 12SMnP35 | - |
| | P1.4.Z.AN | 01.2 | 35S20 | 1.0726 | 212M36 | 8M | 1957 | 1140 | 35MF4 | - | F210G | - |
| | P1.5.C.UT | 01.1 | GC16E | 1.1142 | 030A04 | 1A | 1325 | 1115 | - | - | - | - |
| | **Acero de baja aleación** | | | | | | | | | | | |
| | P2.1.Z.AN | 02.1 | 16Mo3 | 1.5415 | 1501-240 | - | 2912 | A204Gr.A | 15D3 | 16Mo3KW | 16Mo3 | - |
| | P2.1.Z.AN | 02.1 | 14Ni6 | 1.5622 | - | - | - | A350LF5 | 16N6 | 14Ni6 | 15Ni6 | - |
| | P2.1.Z.AN | 02.1 | 21NiCrMo2 | 1.6523 | 805M20 | 362 | 2506 | 8620 | 20NCD2 | 20NiCrMo2 | 20NiCrMo2 | SNCM220(H) |
| | P2.1.Z.AN | 02.1 | 17CrNiMo6 | 1.6587 | 820A16 | - | - | - | 18NCD6 | - | 14NiCrMo13 | - |
| | P2.1.Z.AN | 02.1 | 15Cr3 | 1.7015 | 523M15 | - | - | 5015 | 12C3 | - | - | SCr415(H) |
| | P2.1.Z.AN | 02.1 | 55Cr3 | 1.7176 | 527A60 | 48 | - | 5155 | 55C3 | - | - | SUP9(A) |
| | P2.1.Z.AN | 02.1 | 15CrMo5 | 1.7262 | - | - | 2216 | - | 12CD4 | - | 12CrMo4 | SCM415(H) |
| | P2.1.Z.AN | 02.1 | 13CrMo4-5 | 1.7335 | 1501-620Gr27 | - | - | A182 F11;F12 | 15CD3.5<br>15CD4.5 | 14CrMo4 5 | 14CrMo45 | - |
| | P2.1.Z.AN | 02.1 | 10CrMo9 10 | 1.7380 | 1501-622 Gr.31;45 | - | 2218 | A182 F.22 | 12CD9, 10 | 12CrMo9, 10 | TU.H | - |
| | P2.1.Z.AN | 02.1 | 14MoV6 3 | 1.7715 | 1503-660-440 | - | - | - | - | - | 13MoCrV6 | - |
| | P2.1.Z.AN | 02.1 | 50CoMo4 | 1.7228 | 823M30 | 33 | 2512 | - | - | 653M31 | - | - |
| | P2.1.Z.AN | 02.2 | 14NiCr10 | 1.5732 | - | - | - | 3415 | 14NC11 | 16NiCr11 | 15NiCr11 | SNC415(H) |
| | P2.1.Z.AN | 02.2 | 14NiCr14 | 1.5752 | 655M13; A12 | 36A | - | 3415;3310 | 12NC15 | - | - | SNC815(H) |
| | P2.1.Z.AN | 02.1/02.2 | 16MnCr5 | 1.7131 | (527M20) | - | 2511 | 5115 | 16MC5 | 16MnCr5 | 16MnCr5 | - |
| | P2.1.Z.AN | 02.1/02.2 | 34CrMo4 | 1.7220 | 708A37 | 19B | 2234 | 4137;4135 | 35CD4 | 35CrMo4 | 34CrMo4 | SCM432;SCCRM3 |
| | P2.1.Z.AN | 02.1/02.2 | 41CrMo4 | 1.7223 | 708M40 | 19A | 2244 | 4140;4142 | 42CD4TS | 41CrMo4 | 42CrMo4 | SCM 440 |
| | P2.1.Z.AN | 02.1/02.2 | 42CrMo4 | 1.7225 | 708M40 | 19A | 2244 | 4140 | 42CD4 | 42CrMo4 | 42CrMo4 | SCM440(H) |
| | P2.1.Z.AN | 03.11 | 14NiCrMo134 | 1.6657 | 832M13 | 36C | - | - | - | 15NiCrMo13 | 14NiCrMo131 | - |
| | P2.2.Z.AN | 02.1 | 31CrMo12 | 1.8515 | 722 M 24 | - | 2240 | - | 30 CD 12 | 30CrMo12 | F-1712 | - |
| | P2.2.Z.AN | 02.1 | 39CrMoV13 9 | 1.8523 | 897M39 | 40C | - | - | - | 36CrMoV12 | - | - |
| | P2.2.Z.AN | 02.1 | 41CrS4 | 1.7039 | 524A14 | - | 2092 | L1 | - | 105WCR 5 | - | - |
| | P2.2.Z.AN | 02.1 | 50NiCr13 | 1.2721 | - | - | 2550 | L6 | 55NCV6 | - | F-528 | - |
| | P2.2.Z.AN | 03.11 | 45WCrV7 | 1.2542 | BS1 | - | 2710 | S1 | - | 45WCrV8KU | 45WCrSi8 | - |
| | P2.2.Z.AN/P2.5.Z.HT | 02.1/02.2 | 36CrNiMo4 | 1.6511 | 816M40 | 110 | - | 9840 | 40NCD3 | 38NiCrMo4(KB) | 35NiCrMo4 | - |
| | P2.2.Z.AN/P2.5.Z.HT | 02.1/02.2 | 34CrNiMo6 | 1.6582 | 817M40 | 24 | 2541 | 4340 | 35NCD6 | 35NiCrMo6(KB) | - | - |
| | P2.2.Z.AN/P2.5.Z.HT | 02.1/02.2 | 34Cr4 | 1.7033 | 530A32 | 18B | - | 5132 | 32C4 | 34Cr4(KB) | 35Cr4 | SCr430(H) |
| | P2.2.Z.AN/P2.5.Z.HT | 02.1/02.2 | 41Cr4 | 1.7035 | 530A40 | 18 | - | 5140 | 42C4 | 41Cr4 | 42Cr4 | SCr440(H) |
| | P2.2.Z.AN/P2.5.Z.HT | 02.1/02.2 | 32CrMo12 | 1.7361 | 722M24 | 40B | 2240 | - | 30CD12 | 32CrMo12 | F.124.A | - |
| | P2.2.Z.AN/P2.5.Z.HT | 02.1/02.2 | 51CrV4 | 1.8159 | 735A50 | 47 | 2230 | 6150 | 50CV4 | 50CrV4 | 51CrV4 | SUP10 |
| | P2.2.Z.AN/P2.5.Z.HT | 02.1/02.2 | 41CrAlMo7 | 1.8509 | 905M39 | 41B | 2940 | - | 40CAD6, 12 | 41CrAlMo7 | 41CrAlMo7 | - |
| | P2.3.Z.AN | 02.1 | 100Cr6 | 1.3505 | 534A99 | 31 | 2258 | 52100 | 100C6 | 100Cr6 | F.131 | SUJ2 |

SPA

# Lista de referencia cruzada de materiales

| ISO | MC | CMC | País | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Europa | Alemania | Gran Bretaña | | Suecia | EE. UU. | Francia | Italia | España | Japón |
| | | | Estándar | | | | | | | | | |
| | | | DIN EN | W.-nr. | BS | EN | SS | AISI/SAE/ASTM | AFNOR | UNI | UNE | JIS |
| P | P2.3.Z.AN/H1.2.Z.HA | 02.1/02.2 | 105WCr6 | 1.2419 | - | - | 2140 | - | 105WC13 | 10WCr6 | 105WCr5 | SKS31 |
| | P2.3.Z.AN/H1.2.Z.HA | - | - | - | - | - | - | - | - | 107WCr5KU | - | SKS2, SKS3 |
| | P2.3.Z.AN/H1.2.Z.HA | 02.1/02.2 | - | 1.2714 | - | - | - | L6 | 55NCDV7 | - | F.520.S | SKT4 |
| | P2.3.Z.AN/H1.3.Z.HA | 02.1/02.2 | 100Cr6 | 1.2067 | BL3 | - | - | L3 | Y100C6 | - | 100Cr6 | - |
| | P2.4.Z.AN | 02.1 | 16MnCr5 | 1.7139 | - | - | 2127 | - | - | - | - | - |
| | P2.5.Z.HT | 02.1 | 16Mo5 | 1.5423 | 1503-245-420 | - | - | 4520 | - | 16Mo5 | 16Mo5 | - |
| | P2.5.Z.HT | 02.1 | 40NiCrMo8-4 | 1.6562 | 311-Type 7 | - | - | 8740 | - | 40NiCrMo2(KB) | 40NiCrMo2 | SNCM240 |
| | P2.5.Z.HT | 02.1 | 42Cr4 | 1.7045 | - | - | 2245 | 5140 | - | - | 42Cr4 | SCr440 |
| | P2.5.Z.HT | 02.1 | 31NiCrMo14 | 1.5755 | 830 M 31 | - | 2534 | - | - | - | F-1270 | - |
| | P2.5.Z.HT | 02.2 | 36NiCr6 | 1.5710 | 640A35 | 111A | - | 3135 | 35NC6 | - | - | SNC236 |
| | P2.6.C.UT | 02.1 | 22Mo4 | 1.5419 | 605A32 | - | 2108 | 8620 | - | - | F520.S | - |
| | P2.6.C.UT | 02.1/02.2 | 25CrMo4 | 1.7218 | 1717CDS110 | - | 2225 | 4130 | 25CD4 | 25CrMo4(KB) | AM26CrMo4 | SCM420;SCM430 |
| | P2.6.C.UT | 06.2 | - | - | - | - | 2223 | - | - | - | - | - |
| | **Acero de alta aleación** | | | | | | | | | | | |
| | P3.0.Z.AN | 03.11 | X210Cr12 | 1.2080 | BD3 | - | - | D3 | Z200C12 | X210Cr13KU<br>X250Cr12KU | X210Cr12 | SKD1 |
| | P3.0.Z.AN | 03.11 | X43Cr13 | 1.2083 | - | - | 2314 | - | - | - | - | - |
| | P3.0.Z.AN | 03.11 | X40CrMoV5 1 | 1.2344 | BH13 | - | 2242 | H13 | Z40CDV5 | X35CrMoV05KU<br>X40CrMoV511KU | X40CrMoV5 | SKD61 |
| | P3.0.Z.AN | 03.11 | X100CrMoV5 1 | 1.2363 | BA2 | - | 2260 | A2 | Z100CDV5 | X100CrMoV51KU | X100CrMoV5 | SKD12 |
| | P3.0.Z.AN | 03.11 | X210CrW12 | 1.2436 | - | - | 2312 | - | - | X215CrW12 1KU | X210CrW12 | SKD2 |
| | P3.0.Z.AN | 03.11 | X30WCrV9 3 | 1.2581 | BH21 | - | - | H21 | Z30WCV9 | X28W09KU<br>X30WCrV9 3KU | X30WCrV9 | SKD5 |
| | P3.0.Z.AN | 03.11 | X165CrMoV 12 | 1.2601 | - | - | 2310 | - | - | X165CrMoW12KU | X160CrMoV12 | - |
| | P3.0.Z.AN | 03.21 | X155CrMoV12-1 | 1.2379 | - | - | 2736 | HNV3 | - | - | - | - |
| | P3.0.Z.HT | 03.11 | X8Ni9 | 1.5662 | 1501-509;510 | - | - | ASTM A353 | - | X10Ni9 | XBNi09 | - |
| | P3.0.Z.HT | 03.11 | 12Ni19 | 1.5680 | - | - | - | 2515 | Z18N5 | - | - | - |
| | P3.1.Z.AN | 03.11 | S6-5-2 | 1.3343 | 4959BA2 | - | 2715 | D3 | Z40CSD10 | 15NiCrMo13 | - | SUH3 |
| | P3.1.Z.AN | 03.13 | - | - | BM 2 | - | 2722 | M 2 | Z85WDCV | HS 6-5-2-2 | F-5603. | SKH 51 |
| | P3.1.Z.AN | 03.13 | HS 6-5-2-5 | 1.3243 | BM 35 | - | 2723 | M 35 | 6-5-2-5 | HS 6-5-2-5 | F-5613 | SKH 55 |
| | P3.1.Z.AN | 03.13 | HS 2-9-2 | 1.3348 | - | - | 2782 | M 7 | - | HS 2-9-2 | F-5607 | - |
| | P3.2.C.AQ | 06.33 | G-X120Mn12 | 1.3401 | Z120M12 | - | 2183 | L3 | Z120M12 | XG120Mn12 | X120Mn12 | SCMnH/1 |
| | **Acero inoxidable ferrítico/martensítico** | | | | | | | | | | | |
| Acero | P5.0.Z.AN | 05.11/15.11 | X10CrAL13 | 1.4724 | 403S17 | - | - | 405 | Z10C13 | X10CrAl12 | F.311 | SUS405 |
| | P5.0.Z.AN | 05.11/15.11 | X10CrAL18 | 1.4742 | 430S15 | 60 | - | 430 | Z10CAS18 | X8Cr17 | F.3113 | SUS430 |
| | P5.0.Z.AN | 05.11/15.11 | X10CrAL2-4 | 1.4762 | - | - | 2322 | 446 | Z10CAS24 | X16Cr26 | - | SUH446 |
| | P5.0.Z.AN | 05.11/15.11 | X1CrMoTi18-2 | 1.4521 | - | - | 2326 | S44400 | - | - | - | - |
| | P5.0.Z.AN/P5.0.Z.HT | 05.11/15.11 | X6Cr13 | 1.4000 | 403S17 | - | 2301 | 403 | Z6C13 | X6Cr13 | F.3110 | SUS403 |
| | P5.0.Z.AN/P5.0.Z.HT | - | X7Cr14 | 1.4001 | - | - | - | - | - | - | F.8401 | - |
| | P5.0.Z.AN/P5.0.Z.HT | 05.11/15.11 | X10Cr13 | 1.4006 | 410S21 | 56A | 2302 | 410 | Z10C14 | X12Cr13 | F.3401 | SUS410 |
| | P5.0.Z.AN/P5.0.Z.HT | 05.11/15.11 | X6Cr17 | 1.4016 | 430S15 | 960 | 2320 | 430 | Z8C17 | X8Cr17 | F3113 | SUS430 |
| | P5.0.Z.AN/P5.0.Z.HT | 05.11/15.11 | X6CrAL13 | 1.4002 | 405S17 | - | - | 405 | Z8CA12 | X6CrAl13 | - | - |
| | P5.0.Z.AN/P5.0.Z.HT | 05.11/15.11 | X20Cr13 | 1.4021 | 420S37 | - | 2303 | 420 | Z20C13 | X20Cr13 | - | - |
| | P5.0.Z.AN/P5.0.Z.HT | 05.11/15.11 | X6CrMo17-1 | 1.4113 | 434S17 | - | 2325 | 434 | Z8CD17.01 | X8CrMo17 | - | SUS434 |
| | P5.0.Z.HT | 03.11 | X45CrS9-3-1 | 1.4718 | 401S45 | 52 | - | HW3 | Z45CS9 | X45GrSi8 | F322 | SUH1 |
| | P5.0.Z.HT | 05.11/15.11 | X85CrMoV18-2 | 1.4748 | 443S65 | 59 | - | HNV6 | Z80CSN20.02 | X80CrSiNi20 | F.320B | SUH4 |
| | P5.0.Z.HT | 05.11/15.11 | X20CrMoV12-1 | 1.4922 | - | - | 2317 | - | - | X20CrMoNi 12 01 | - | - |
| | P5.0.Z.PH | 05.11/15.11 | X12CrS13 | 1.4005 | 416 S 21 | - | 2380 | 416 | Z11CF13 | X12 CrS 13 | F-3411 | SUS 416 |
| | P5.0.Z.PH | 05.11/15.11 | X46Cr13 | 1.4034 | 420S45 | 56D | 2304 | - | Z40CM | X40Cr14 | F.3405 | SUS420J2 |
| | P5.0.Z.PH | 05.11/15.11 | X19CrNi17-2 | 1.4057 | 431S29 | 57 | 2321 | 431 | Z15CNi6.02 | X16CrNi16 | F.3427 | SUS431 |
| | P5.0.Z.PH | 05.12/15.12 | X5CrNiCuNb16-4 | 1.4542 1.4548 | - | - | - | 630 | Z7CNU17-04 | - | - | - |
| | P5.0.Z.PH | 15.21 | X4 CrNiMo16-5 | 1.4418 | - | - | 2387 | - | Z6CND16-04-01 | - | - | - |
| | P5.1.Z.AN/P5.0.Z.HT | 05.11/15.11 | X14CrMoS17 | 1.4104 | - | - | 2383 | 430F | Z10CF17 | X10CrS17 | F.3117 | SUS430F |

| | | | |
|---|---|---|---|
| | | | **Nombres comerciales** |
| | P2.1.Z.AN | 02.1 | OVAKO 520M (Ovako Steel) |
| | P2.2.Z.AN | 02.1 | 1.0045 FORMAX (Uddeholm Tooling) |
| | P2.2.Z.AN | 02.1 | IMACRO NIT (Imatra Steel) |
| | P2.5.Z.HT | 02.2 | INEXA 482 (XM) (Inexa Profil) |
| | P1.2.Z.AN | | S355J2G3(XM) |
| | P1.2.Z.AN | | C45(XM) |
| | P1.2.Z.AN | | 16MnCrS5(XM) |
| | P2.5.Z.HT | | INEXA280(XM) |
| | P2.5.Z.HT | 02.2 | 070M20(XM) |
| | P2.5.Z.HT | 02.2 | HARDOX 500 (SSAB – Swedish Steel Corp.) |
| | P2.5.Z.HT | | WELDOX 700 (SSAB – Swedish Steel Corp.) |

# Lista de referencia cruzada de materiales

| ISO | MC | CMC | País<br>Europa | Alemania | Gran Bretaña | | Suecia | EE. UU. | Francia | Italia | España | Japón |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Estándar<br>DIN EN | W.-nr. | BS | EN | SS | AISI/SAE/ASTM | AFNOR | UNI | UNE | JIS |
| M | **Acero inoxidable austenítico** | | | | | | | | | | | |
| | M1.0.Z.AQ | 05.11/15.11 | X3CrNiMo13-4 | 1.4313 | 425C11 | - | 2385 | CA6-NM | Z4CND13.4M<br>Z38C13M | (G)X6CrNi304 | - | SCS5 |
| | M1.0.Z.AQ/M1.0.C.UT | 05.11/15.11 | X53CrMnNiN21-9 | 1.4871 | 349S54 | - | - | EV8 | Z52CMN21.09 | X53CrMnNiN21 9 | - | SUH35, SUH36 |
| | M1.0.Z.AQ/M1.0.C.UT | 05.21/15.21 | X2CrNiN18-10 | 1.4311 | 304S62 | - | 2371 | 304LN | Z2CN18.10 | - | - | SUS304LN |
| | M1.0.Z.AQ/M1.0.C.UT | 05.21/15.21 | X2CrNiMoN17-13-3 | 1.4429 | - | - | 2375 | 316LN | Z2CND17.13 | - | - | SUS316LN |
| | M1.0.Z.AQ/M1.0.C.UT | 05.21/15.21 | X2CrNiMo17-12-2 | 1.4404 | 316S13 | - | 2348 | 316L | Z2CND17-12 | X2CrNiMo1712 | - | - |
| | M1.0.Z.AQ/M1.0.C.UT | 05.21/15.21 | X2CrNiMo18-14-3 | 1.4435 | 316S13 | - | 2353 | 316L | Z2CND17.12 | X2CrNiMo17 12 | - | SCS16, SUS316L |
| | M1.0.Z.AQ/M1.0.C.UT | 05.21/15.21 | X3CrNiMo17-3-3 | 1.4436 | 316S33 | - | 2343, 2347 | 316 | Z6CND18-12-03 | X8CrNiMo1713 | - | - |
| | M1.0.Z.AQ/M1.0.C.UT | 05.21/15.21 | X2CrNiMo18-15-4 | 1.4438 | 317S12 | - | 2367 | 317L | Z2CND19.15 | X2CrNiMo18 16 | - | SUS317L |
| | M1.0.Z.AQ/M1.0.C.UT | 05.21/15.21 | X6CrNiNb18-10 | 1.4550 | 347S17 | 58F | 2338 | 347 | Z6CNNb18.10 | X6CrNiNb18 11 | F.3552 F.3524 | SUS347 |
| | M1.0.Z.AQ/M1.0.C.UT | 05.21/15.21 | X6CrNiMoTi17-12-2 | 1.4571 | 320S17 | 58J | 2350 | 316Ti | Z6NDT17.12 | X6CrNiMoTi17 12 | F.3535 | - |
| | M1.0.Z.AQ/M1.0.C.UT | 05.21/15.21 | X10CrNiMoNb 18-12 | 1.4583 | - | - | - | 318 | Z6CNDNb17 13B | X6CrNiMoNb17 13 | - | - |
| | M1.0.Z.AQ/M1.0.C.UT | 05.21/15.21 | X15CrNiSi20-12 | 1.4828 | 309S24 | - | - | 309 | Z15CNS20.12 | - | - | SUH309 |
| | M1.0.Z.AQ/M1.0.C.UT | 05.21/15.21 | X2CrNiMoN17-11-2 | 1.4406 | 301S21 | 58C | 2370 | 308 | Z1NCDU25.20 | - | F.8414 | SCS17 |
| | M1.0.Z.AQ | 05.21/15.21 | X1CrNiMoCuN20-18-7 | 1.4547 | - | - | 2378 | S31254 | Z1CNDU20-18-06AZ | - | - | - |
| | M1.0.Z.AQ/M1.0.C.UT | 05.21/15.21 | X9CrNi18-8 | 1.4310 | - | - | 2331 | 301 | Z12CN17.07 | X12CrNi17 07 | F.3517 | SUS301 |
| | M1.0.Z.PH | 05.22/15.22 | X7CrNiAL17-7 | 1.4568 1.4504 | 316S111 | - | - | 17-7PH | Z8CNA17-07 | X2CrNiMo1712 | - | - |
| | M1.0.Z.AQ/M1.0.C.UT | 05.21/15.21 | X2CrNi19-11 | 1.4306 | 304S11<br>304S12 | - | 2352 | 304L | Z2CN18-10 | X2CrNi18 11 | - | - |
| | M1.1.Z.AQ | 05.21/15.21 | - | - | 304S31 | 58E | 2332, 2333 | 304 | Z6CN18.09 | X5CrNi18 10 | F.3504 F.3541 | SUS304 |
| | M1.1.Z.AQ | 05.21/15.21 | X5CrNi18-10 | 1.4301 | 304S15 | 58E | 2332 | 304 | Z6CN18.09 | X5CrNi18 10 | F.3551 | SUS304 |
| | M1.1.Z.AQ | 05.21/15.21 | X5CrNiMo17-2-2 | 1.4401 | 316S16 | 58J | 2347 | 316 | Z6CND17.11 | X5CrNiMo17 12 | F.3543 | SUS316 |
| | M1.1.Z.AQ | 05.21/15.21 | X6CrNiTi18-10 | 1.4541 | 321S12 | 58B | 2337 | 321 | Z6CNT18.10 | X6CrNiTi18 11 | F.3553 F.3523 | SUS321 |
| | M1.2.Z.AQ | 05.21/15.21 | X8CrNiS18-9 | 1.4305 | 303S21 | 58M | 2346 | 303 | Z10CNF 18.09 | X10CrNiS 18.09 | F.3508 | SUS303 |
| | **Acero inoxidable súper austenítico (Ni>20%)** | | | | | | | | | | | |
| | M2.0.C.AQ | 20.11 | G-X40NiCrSi36-18 | 1.4865 | 330C11 | - | - | - | - | XG50NiCr39 19 | - | SCH15 |
| | M2.0.Z.AQ | 05.21/15.21 | X1NiCrMoCu25-20-5 | 1.4539 | - | - | 2562 | UNS V 0890A | Z2 NCDU25-20 | - | - | - |
| | M2.0.Z.AQ | 05.21/15.21 | X8CrNi25-21 | 1.4845 | 310S24 | - | 2361 | 310S | Z12CN25 20 | X6CrNi25 20 | F.331 | SUH310 |
| | M2.0.Z.AQ | 20.11 | X12NiCrSi36 16 | 1.4864 | - | - | - | 330 | Z12NCS35.16 | F-3313 | - | SUH330 |
| | M2.0.Z.AQ | 05.23/15.23 | X1NiCrMoCu31-27-4 | 1.4563 | - | - | 2584 | NO8028 | Z1NCDU31-27-03 | - | - | - |
| | **Acero inoxidable dúplex (austenítico/ferrítico)** | | | | | | | | | | | |
| | M3.1.Z.AQ/M3.1.C.AQ | 05.51/15.51 | X2CrNiN23-4 | 1.4362 | - | - | 2376 | S31500 | - | - | - | - |
| | M3.1.Z.AQ/M3.1.C.AQ | 05.51/15.51 | X8CrNiMo27-5 | - | - | - | 2324 | S32900 | - | - | - | - |
| | M3.2.Z.AQ/M3.2.C.AQ | 05.52/15.52 | X2CrNiN23-4 | - | - | - | 2327 | S32304 | Z2CN23-04AZ | - | - | - |
| | M3.2.Z.AQ/M3.2.C.AQ | 05.52/15.52 | - | - | - | - | 2328 | - | - | - | - | - |
| | M3.2.Z.AQ/M3.2.C.AQ | 05.52/15.52 | X2CrNiMoN22-53 | - | - | - | 2377 | S31803 | Z2CND22-05-03 | - | - | - |
| | | | | | **Nombres comerciales** | | | | | | | |
| | M1.1.Z.AQ | 05.21/15.21 | | | SANMAC 304 (Sandvik Steel) | | | | | | | |
| | M1.1.Z.AQ | 05.21/15.21 | | 1.0045 | SANMAC 304L (Sandvik Steel) | | | | | | | |
| | M1.1.Z.AQ | 05.21/15.21 | | | SANMAC 316 (Sandvik Steel) | | | | | | | |
| | M1.1.Z.AQ | 05.21/15.21 | | | SANMAC 316L (Sandvik Steel) | | | | | | | |
| | M1.0.Z.AQ | 05.23/15.23 | | | 254 SMO | | | | | | | |
| | M2.0.Z.AQ | 05.23/15.23 | | | 654 SMO | | | | | | | |
| | M3.2.Z.AQ | 05.52/15.52 | | | SANMAC SAF 2205 (Sandvik Steel) | | | | | | | |
| | M3.2.Z.AQ | 05.52/15.52 | | | SANMAC SAF 2507 (Sandvik Steel) | | | | | | | |

Acero inoxidable

SPA

# Lista de referencia cruzada de materiales

| ISO | MC | CMC | País | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Europa | Alemania | Gran Bretaña | | Suecia | EE. UU. | Francia | Italia | España | Japón |
| | | | Estándar | | | | | | | | | |
| | | | DIN EN | W.-nr. | BS | EN | SS | AISI/SAE/ASTM | AFNOR | UNI | UNE | JIS |
| K | **Fundición maleable** | | | | | | | | | | | |
| | K1.1.C.NS | 07.1 | - | - | 8 290/6 | - | 0814 | - | MN 32-8 | - | - | FCMB310 |
| | K1.1.C.NS | 07.1 | EN-GJMB350-10 | 0.8135 | B 340/12 | - | 0815 | 32510 | MN 35-10 | - | - | FCMW330 |
| | K1.1.C.NS | 07.2 | EN-GJMB450-6 | 0.8145 | P 440/7 | - | 0852 | 40010 | Mn 450 | GMN 45 | - | FCMW370 |
| | K1.1.C.NS | 07.2 | EN-GJMB550-4 | 0.8155 | P 510/4 | - | 0854 | 50005 | MP 50-5 | GMN 55 | - | FCMP490 |
| | | | | | P 570/3 | | 0858 | 70003 | MP 60-3 | | | FCMP540 |
| | K1.1.C.NS | 07.2 | EN-GJMB650-2 | 0.8165 | P570/3 | - | 0856 | A220-70003 | Mn 650-3 | GMN 65 | - | FCMP590 |
| | K1.1.C.NS | 07.3 | EN-GJMB700-2 | 0.8170 | P690/2 | - | 0862 | A220-80002 | Mn700-2 | GMN 70 | - | FCMP690 |
| | **Fundición gris** | | | | | | | | | | | |
| | K2.1.C.UT | 08.1 | - | - | - | - | 0100 | - | - | - | - | - |
| | K2.1.C.UT | 08.1 | EN-GJL-100 | 0.6010 | - | - | 0110 | No 20 B | Ft 10 D | - | - | FC100 |
| | K2.1.C.UT | 08.1 | EN-GJL-150 | 0.6015 | Grade 150 | - | 0115 | No 25 B | Ft 15 D | G 15 | FG 15 | FC150 |
| | K2.1.C.UT | 08.1 | EN-GJL-200 | 0.6020 | Grade 220 | - | 0120 | No 30 B | Ft 20 D | G 20 | - | FC200 |
| | K2.1.C.UT | 08.2 | EN-GJL-250 | 0.6025 | Grade 260 | - | 0125 | No 35 B | Ft 25 D | G 25 | FG 25 | FC250 |
| | K2.1.C.UT | 08.2 | EN-JLZ | 0.6040 | Grade 400 | - | 0140 | No 55 B | Ft 40 D | - | - | - |
| | K2.2.C.UT | 08.2 | EN-GJL-300 | 0.6030 | Grade 300 | - | 0130 | No 45 B | Ft 30 D | G 30 | FG 30 | FC300 |
| | K2.2.C.UT | 08.2 | EN-GJL-350 | 0.6035 | Grade 350 | - | 0135 | No 50 B | Ft 35 D | G 35 | FG 35 | FC350 |
| | K2.3.C.UT | 08.3 | GGL-NiCr20-2 | 0.6660 | L-NiCuCr202 | - | 0523 | A436 Type 2 | L-NC 202 | - | - | - |
| | **Fundición nodular** | | | | | | | | | | | |
| Fundición | K3.1.C.UT | 09.1 | EN-GJS-400-15 | 0.7040 | SNG 420/12 | - | 0717-02 | 60-40-18 | FCS 400-12 | GS 370-17 | FGE 38-17 | FCD400 |
| | K3.1.C.UT | 09.1 | EN-GJS-400-18-LT | 0.7043 | SNG 370/17 | - | 0717-12 | - | FGS 370-17 | - | - | - |
| | K3.1.C.UT | 09.1 | EN-GJS-350-22-LT | 0.7033 | - | - | 0717-15 | - | - | - | - | - |
| | K3.1.C.UT | 09.1 | EN-GJS-800-7 | 0.7050 | SNG 500/7 | - | 0727 | 80-55-06 | FGS 500-7 | GS 500 | FGE 50-7 | FCD500 |
| | K3.2.C.UT | 09.2 | EN-GJS-600-3 | 0.7060 | SNG 600/3 | - | 0732-03 | - | FGS 600-3 | - | - | FCD600 |
| | K3.3.C.UT | 09.2 | EN-GJS-700-2 | 0.7070 | SNG 700/2 | - | 0737-01 | 100-70-03 | FGS 700-2 | GS 700-2 | FGS 70-2 | FCD700 |
| | K3.5.C.UT | - | EN-GJSA-XNiCr20-2 | 0.7660 | Grade S6 | - | 0776 | A43D2 | S-NC 202 | - | - | - |
| | **Fundición de grafito compactado** | | | | | | | | | | | |
| | K4.1.C.UT | - | EN-GJV-300 | | | | | | | | | |
| | K4.1.C.UT | - | EN-GJV-350 | | | | | | | | | |
| | K4.2.C.UT | - | EN-GJV-400 | | | | | | | | | |
| | K4.2.C.UT | - | EN-GJV-450 | | | | | | | | | |
| | K4.2.C.UT | - | EN-GJV-500 | | | | | | | | | |
| | **Fundición dúctil austemperizada** | | | | | | | | | | | |
| | K5.1.C.NS | - | EN-GJS-800-8 | - | - | - | - | ASTM A897 No. 1 | - | - | - | - |
| | K5.1.C.NS | - | EN-GJS-1000-5 | - | - | - | - | ASTM A897 No. 2 | - | - | - | - |
| | K5.2.C.NS | - | EN-GJS-1200-2 | - | - | | - | ASTM A897 No. 3 | - | - | - | - |
| | K5.2.C.NS | - | EN-GJS-1400-1 | - | - | - | - | ASTM A897 No. 4 | - | - | - | - |
| | K5.3.C.NS | - | - | - | - | - | - | ASTM A897 No. 5 | - | - | - | - |

# Lista de referencia cruzada de materiales

| ISO | MC | CMC | País | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Europa | Alemania | Gran Bretaña | | Suecia | EE. UU. | Francia | Italia | España | Japón |
| | | | Estándar | | | | | | | | | |
| | | | DIN EN | W.-nr. | BS | EN | SS | AISI/SAE/ASTM | AFNOR | UNI | UNE | JIS |
| N | **Aleaciones con base de aluminio** | | | | | | | | | | | |
| Metales no-férreos | N1.3.C.AG | 30.21 | G-AlSi9MGWA | 3.2373 | - | - | 4251 | SC64D | A-S7G | - | - | C4BS |
| | N1.3.C.UT | 30.21 | G-ALMG5 | - | LM5 | - | 4252 | GD-AlSi12 | A-SU12 | - | - | AC4A |
| | N1.3.C.UT/N1.3.C.AG | 30.21/30.22 | - | - | LM25 | - | 4244 | 356.1 | - | - | - | A5052 |
| | N1.3.C.UT | - | GD-AlSi12 | - | - | - | 4247 | A413.0 | - | - | - | A6061 |
| | N1.3.C.AG | - | GD-AlSi8Cu3 | - | LM24 | - | 4250 | A380.1 | - | - | - | A7075 |
| | N1.3.C.UT | - | G-AlSi12(Cu) | - | LM20 | - | 4260 | A413.1 | - | - | - | ADC12 |
| | N1.3.C.UT | - | G-AlSi12 | - | LM6 | - | 4261 | A413.2 | - | - | - | - |
| | N1.3.C.AG | - | G-AlSi10Mg(Cu) | - | LM9 | - | 4253 | A360.2 | - | - | - | - |
| S | **Aleaciones con base de níquel** | | | | | | | | | | | |
| Superaleaciones termorresistentes | S2.0.Z.AG | 20.22 | S-NiCr13A16MoNb | LW2 4670 | mar-46 | - | - | 5391 | NC12AD | - | - | - |
| | S2.0.C.UT | 20.24 | NiCo15Cr10MoAlTi | LW2 4674 | - | - | - | AMS 5397 | - | - | - | - |
| | S2.0.Z.AG | 20.22 | NiFe35Cr14MoTi | LW2.4662 | - | - | - | 5660 | ZSNCDT42 | - | - | - |
| | S2.0.Z.AG | 20.22 | NiCr19Fe19NbMo | LW2.4668 | HR8 | - | - | 5383 | NC19eNB | - | - | - |
| | S2.0.Z.AG | 20.22 | NiCr20TiAk | 2.4631 | Hr401.601 | - | - | - | NC20TA | - | - | - |
| | S2.0.Z.AG | 20.22 | NiCr19Co11MoTi | 2.4973 | - | - | - | AMS 5399 | NC19KDT | - | - | - |
| | S2.0.Z.AG | 20.22 | NiCr19Fe19NbMo | LW2.4668 | - | - | - | AMS 5544 | NC20K14 | - | - | - |
| | S2.0.Z.AN | 20.21 | - | 2.4603 | - | - | - | 5390A | NC22FeD | - | - | - |
| | S2.0.Z.AN | 20.21 | NiCr22Mo9Nb | 2.4856 | - | - | - | 5666 | NC22FeDNB | - | - | - |
| | S2.0.Z.AN | 20.21 | NiCr20Ti | 2.4630 | HR5.203-4 | - | - | - | NC20T | - | - | - |
| | S2.0.Z.AG | 20.22 | NiCu30AL3Ti | 2.4375 | 3072-76 | - | - | 4676 | - | - | - | - |
| | **Base de cobalto** | | | | | | | | | | | |
| | - | - | CoCr20W15Ni | - | - | - | - | 5537C, AMS | KC20WN | - | - | - |
| | S3.0.Z.AG | 20.32 | CoCr22W14Ni | LW2.4964 | - | - | - | 5772 | KC22WN | - | - | - |
| | **Aleaciones de titanio** | | | | | | | | | | | |
| | S4.2.Z.AN | 23.22 | TiAl5Sn2.5 | 3.7115.1 | TA14/17 | - | - | UNS R54520 | T-A5E<br>UNS R56400 | - | - | - |
| | S4.2.Z.AN | 23.22 | TiAl6V4 | 3.7165.1 | TA10-13/TA28 | - | - | UNS R56401 | T-A6V | - | - | - |
| | S4.3.Z.AN | 23.22 | TiAl5V5Mo5Cr3 | - | - | - | - | - | - | - | - | - |
| | S4.2.Z.AN | 23.22 | TiAl4Mo4Sn4Si0.5 | 3.7185 | - | - | - | - | - | - | - | - |
| | | | **Nombres comerciales** | | | | | | | | | |
| | | | **Aleaciones con base de hierro** | | | | | | | | | |
| | S2.0.Z.UT/S2.0.Z.AN | 20.11 | Incoloy 800 | | | | | | | | | |
| | | | **Aleaciones con base de níquel** | | | | | | | | | |
| | S2.0.Z.AN | 20.2 | Haynes 600 | | | | | | | | | |
| | S2.0.Z.AN | 20.2 | Nimocast PD16 | | | | | | | | | |
| | S2.0.Z.AG | 20.2 | Nimonic PE 13 | | | | | | | | | |
| | S2.0.Z.AG | 20.2 | Rene 95 | | | | | | | | | |
| | S2.0.Z.AN | 20.21 | Hastelloy C | | | | | | | | | |
| | S2.0.Z.AN | 20.21 | Incoloy 825 | | | | | | | | | |
| | S2.0.Z.AN | 20.21 | Inconel 600 | | | | | | | | | |
| | S2.0.Z.AN | 20.21 | Monel 400 | | | | | | | | | |
| | S2.0.Z.AG | 20.22 | Inconel 700 | | | | | | | | | |
| | S2.0.Z.AG | S2.0.Z.AG | Inconel 718 | | | | | | | | | |
| | S2.0.Z.AG | 20.22 | Mar – M 432 | | | | | | | | | |
| | S2.0.Z.AG | 20.22 | Nimonic 901 | | | | | | | | | |
| | S2.0.Z.AG | 20.22 | Waspaloy | | | | | | | | | |
| | S2.0.C.NS | 20.24 | Jessop G 64 | | | | | | | | | |
| | | | **Base de cobalto** | | | | | | | | | |
| | S3.0.Z.AG | 20.3 | Air Resist 213 | | | | | | | | | |
| | S3.0.Z.AG | 20.3 | Jetalloy 209 | | | | | | | | | |
| H | **Materiales templados** | | | | | | | | | | | |
| Materiales templados | H1.2.Z.HA | 04.1 | X100CrMo13 | 1.4108 | - | - | 2258 08 | 440A | - | - | - | C4BS |
| | H1.3.Z.HA | 04.1 | X110CrMoV15 | 1.4111 | - | - | 2534 05 | 610 | - | - | - | AC4A |
| | H1.2.Z.HA | 04.1 | X65CrMo14 | - | - | - | 2541 06 | 0-2 | - | - | - | AC4A |

SPA

**ISO 13399 es un estándar internacional cuyo objetivo es simplificar el intercambio de datos para herramientas de corte. Por ello, notará una ligera diferencia en los nuevos parámetros y descripciones de cada herramienta.**

Por primera vez en la historia disponemos de una forma normalizada para describir los datos relativos a las herramientas de corte disponibles. Cuando todas las herramientas de la industria comparten los mismos parámetros y definiciones, la comunicación de la información de las herramientas entre distintos sistemas de software pasa a ser un proceso muy sencillo.

### ¿Qué significa esto para usted?

Básicamente, quiere decir que sus sistemas y los nuestros podrán comunicarse sin ningún tipo de barrera gracias a que compartirán un mismo idioma. Descárguese la información de los productos de nuestra página web y utilícela directamente en su software CAD/ CAM para montar las herramientas que utiliza en su producción. No necesitará buscar información en catálogos ni interpretar datos para pasar de un sistema a otro. ¡Imagine cuánto tiempo ahorrará!

| Abreviatura | Nombre |
|---|---|
| ADJLN | Límite de ajuste mínimo |
| ADJLX | Límite de ajuste máximo |
| ADJRG | Intervalo de ajuste |
| ALP | Ángulo de incidencia axial |
| AN | Ángulo de incidencia mayor |
| ANN | Ángulo de incidencia menor |
| APMX | Profundidad de corte máxima |
| APMX_EFW | Profundidad de corte máxima - avance final |
| APMX_FFW | Profundidad de corte máxima - avance lateral |
| AZ | Profundidad de avance axial máxima |
| B | Anchura de mango |
| BAWS | Ángulo de cuerpo del lado de la pieza |
| BAMS | Ángulo del cuerpo del lado de la máquina |
| BBD | Equilibrado por diseño |
| BBR | Equilibrado por prueba de rotación |
| BCH | Longitud del chaflán del vértice |
| BD | Diámetro del cuerpo |
| BHTA | Ángulo de conicidad del cuerpo |
| BN | Anchura de la faceta frontal |
| BS | Longitud del filo Wiper |
| BSG | Grupo estándar básico |
| BSR | Radio del filo wiper |
| CDX | Profundidad de corte máxima |
| CEMR | Radio mayor del filo de corte |
| CF | Chaflán de punto |
| CHBA | Ángulo del chaflán del cuerpo |
| CHBL | Longitud del chaflán del cuerpo |
| CHW | Anchura del chaflán del vértice |
| CICT | Número de elementos de corte |
| $CICT_{BALL}$ | Número de artículos de corte - plaquita de punta esférica |
| $CICT_{E}$ | Número de elementos de corte - posición final |
| $CICT_{P}$ | Número de elementos de corte - posición periférica |
| $CICT_{S}$ | Número de elementos de corte - posición lateral |
| $CICT_{SP}$ | Número de artículos de corte - plaquita de protección del mango |
| $CICT_{T}$ | Número de elementos de corte - total |
| CND | Diámetro de la entrada de refrigerante |
| CNSC | Código del tipo de entrada de refrigerante |
| CNT | Tamaño de la rosca de entrada de refrigerante |
| COATING | Recubrimiento |
| CP | Presión de refrigerante máx. |
| CRKS | Tamaño de la rosca del tirador de retención de la conexión |
| CRNT | Tamaño de la rosca de la entrada de refrigerante radial |
| CTPT | Tipo de operación |
| CUTDIA | Diámetro de tronzado de pieza máximo |
| CW | Anchura de corte |
| CWN | Anchura de corte mínima |
| CWTOLL | Tolerancia inferior de la anchura de corte |
| CWTOLU | Tolerancia superior de la anchura de corte |
| CWX | Anchura de corte máxima |
| CXSC | Código del tipo de salida de refrigerante |
| CZC | Código de tamaño de conexión |
| $CZC_{MS}$ | Código del tamaño de la conexión del lado de la máquina |
| $CZC_{WS}$ | Código del tamaño de la conexión del lado de la pieza |
| D1 | Diámetro del agujero de fijación |
| DAH | Diámetro del agujero de acceso |
| DAXIN | Diámetro interior mínimo de la ranura axial |
| DAXN | Diámetro exterior mínimo de ranura axial |
| DAXX | Diámetro exterior mínimo de la ranura axial |

| | |
|---|---|
| DBC | Diámetro del agujero de fijación |
| DC | Diámetro de corte |
| DCB | Diámetro del agujero de conexión |
| DCBN | Diámetro del agujero de conexión mínimo |
| DCBX | Diámetro del agujero de conexión máximo |
| DCF | Contacto frontal del diámetro de corte |
| DCIN | Diámetro de corte interior |
| DCN | Diámetro de corte mínimo |
| DCON | Diámetro de conexión |
| $DCON_{MS}$ | Diametro de conexión del lado de la maquina |
| $DCON_{WS}$ | Diámetro de conexión del lado de la pieza |
| $DCONN_{WS}$ | Diámetro de conexión mínimo del lado de la pieza |
| $DCONX_{WS}$ | Diámetro de conexión máximo del lado de la pieza |
| DCPS | Capacidad del chip de datos |
| $DCSF_{MS}$ | Diámetro de superficie de contacto del lado de la máquina |
| $DCSF_{WS}$ | Diámetro de superficie de contacto, lado de la pieza |
| DCX | Diámetro de corte máximo |
| DHUB | Diámetro de cubo |
| DIX | Diámetro de interferencia máximo del cambiador de herramientas |
| DMIN | Diámetro de agujero mínimo |
| DMM | Diámetro del mango |
| DN | Diámetro del cuello |
| DRVCT | Número de arrastres |
| DSGN | Diseño |
| EPSR | Ángulo con plaquita incluida |
| FHA | Ángulo helicoidal de la ranura |
| FLGT | Grosor de la brida |
| FTDZ | Para tamaño del diámetro de la rosca |
| GB | Ángulo de la faceta frontal |
| H | Altura del mango |
| HA | Altura teórica de la rosca |
| HB | Diferencia de la altura de la rosca |
| HBH | Altura de desajuste de base a cabeza |
| HC | Altura real de la rosca |
| HF | Altura funcional |
| HRY | Punto más bajo desde el plano de referencia |
| HTB | Altura del cuerpo |
| HTH | Altura |
| IC | Diámetro de la circunferencia inscrita |
| INSL | Longitud de la plaquita |
| INSUC | Código de utilización de la plaquita |
| IZC | Código de tamaño de plaquita |
| KAPR | Ángulo del filo de corte de la herramienta |
| KAPR_EFW | Ángulo del filo de la herramienta - avance final |
| KCH | Chaflán del vértice |
| KRINS | Ángulo del filo mayor |
| KWW | Anchura del chavetero |
| L | Longitud del filo de corte |
| LAMS | Ángulo de inclinación |
| LB | Longitud del cuerpo |
| LCF | Longitud de la ranura para viruta |
| LCOX | Longitud máxima de tronzado |
| LE | Longitud efectiva del filo |
| LF | Longitud funcional |
| LFN | Longitud funcional mínima |
| LH | Longitud de la cabeza |
| LPR | Longitud saliente |
| LS | Longitud del mango |
| LSC | Longitud de sujeción |
| LSCN | Longitud de sujeción mínima |
| LSCS | Distancia hasta el inicio de la sujeción |
| LSCX | Longitud de sujeción máxima |
| LSD | Longitud exacta del mango |
| LU | Longitud útil (máx. recomendada) |
| LU_BFW | Longitud útil - refrentado inverso |
| LUX | Longitud utilizable máxima |
| MHD | Distancia del agujero de montaje |
| MIID | Identificación de la plaquita maestra |
| $MIID_E$ | Identificación de plaquita principal - posición final |
| $MIID_S$ | Identificación de plaquita principal - posición lateral |
| $MIID_C$ | Identificación de plaquita principal - posición central |
| $MIID_P$ | Identificación de plaquita principal - posición periférica |
| $MIID_I$ | Identificación de plaquita principal - posición intermedia |
| MMCC | Código del par pre-reglado |
| MMCX | Par de corte máx. |
| NOF | Número de ranuras |
| NT | Número de dientes |
| OAH | Altura global |
| OAL | Longitud global |
| OAW | Anchura global |
| OH | Voladizo recomendado |
| OHN | Voladizo mínimo |
| OHX | Voladizo máximo |
| ORDCODE | Código de pedido |

SPA

| | |
|---|---|
| PCL | Longitud cilíndrica periférica |
| PDX | Distancia ex del perfil |
| PDY | Distancia ey del perfil |
| PHD | Diámetro del agujero premecanizado |
| PHDX | Diámetro de agujero premecanizado máximo |
| PL | Longitud de punta |
| PNA | Ángulo con perfil incluido |
| PRFRAD | Radio del perfil |
| PRSPC | Especificación del perfil |
| PSIR | Ángulo de posición de la herramienta |
| PSIRL | Ángulo del filo mayor a izquierda |
| PSIRR | Ángulo del filo mayor a derecha |
| PSW | Anchura de ranura premecanizada |
| RADH | Altura radial del cuerpo |
| RADW | Anchura radial del cuerpo |
| RAR | Ángulo de relieve a derecha |
| RE | Radio de punta |
| REEQ | Equivalente del radio de punta |
| REL | Radio de punta izquierdo |
| RER | Radio de punta derecho |
| RETOLL | Tolerancia inferior del radio de punta |
| RETOLU | Tolerancia superior del radio de punta |
| RGL | Longitud de rectificado |
| RMPX | Ángulo de mecanizado en rampa máximo |
| RPMX | Velocidad de rotación máxima |
| S | Grosor de la plaquita |
| SDL | Longitud del diámetro del paso |
| SIG | Ángulo de punta |
| SPTL | Línea divisoria |
| SSC | Código del tamaño del alojamiento de la plaquita |
| $SSC_E$ | Código del tamaño del alojamiento - posición final |
| $SSC_P$ | Código del tamaño del alojamiento - posición periférica |
| $SSC_S$ | Código del tamaño del alojamiento - posición lateral |
| STA | Ángulo con paso incluido |
| STDNO | Número estándar |
| SUBSTRATE | Sustrato |
| TCDC | Clase de tolerancia del diámetro de corte |
| TCDCON | Tolerancia de diámetro de conexión |
| TCDMM | Tolerancia del diámetro del mango |
| TCHA | Tolerancia de agujero posible |
| TCHAL | Tolerancia de agujero posible inferior |
| TCHAU | Tolerancia de agujero posible superior |
| TCT | Clase de tolerancia de la herramienta |
| TCTR | Clase de tolerancia de la rosca |
| TD | Diámetro de la rosca |
| TDZ | Tamaño del diámetro de la rosca |
| TFLA | Longitud frontal flotante del macho |
| TFLB | Longitud trasera flotante del macho |
| TG | Gradiente de conicidad |
| THBTP | Propiedad de rosca de cono posterior |
| THCA | Ángulo de corrección de la hélice de la rosca |
| THCHT | Tipo de chaflán de rosca |
| THFT | Tipo de la forma |
| THFTS | Serie estándar de la forma de la rosca |
| THL | Longitud de la rosca |
| THUB | Grosor del cubo |
| TP | Paso de la rosca |
| TPI | Roscas por pulgada |
| TPIN | Roscas por pulgada, mínimo |
| TPIX | Roscas por pulgada, máximo |
| TPN | Paso de rosca mínimo |
| TPT | Tipo de perfil de rosca |
| TPX | Paso de rosca, máximo |
| TRMAX | Rango de macho máx. |
| TQ | Par |
| TSYC | Código de tipo de herramienta |
| TTP | Tipo de rosca |
| ULDR | Proporción del diámetro de longitud útil |
| VCX | Velocidad de corte máxima |
| W1 | Anchura de la plaquita |
| WB | Anchura del cuerpo |
| WF | Anchura funcional |
| WFCIRP | Anchura hasta el punto de referencia del elemento de corte |
| WSC | Anchura de sujeción |
| WT | Peso del artículo |
| ZADJ | Número de plaquitas ajustables |
| ZEFF | Número de filos efectivos por lado |
| ZEFP | Recuento de filos de corte periféricos efectivos (ZEFP) |
| ZWX | Número máximo de plaquitas Wiper |

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