


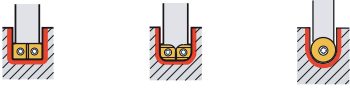








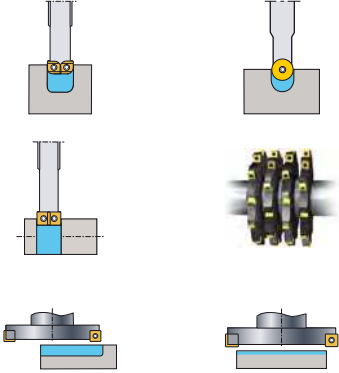
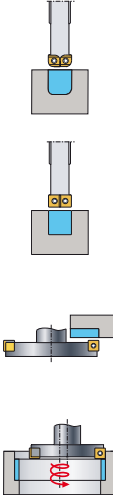
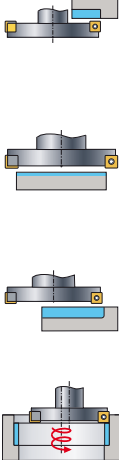


FRESADO

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 Cilíndrico Cubo con chavetero Weldon | | | En eje Cilíndrico Cubo con chavetero | | En eje Cilíndrico Cubo con chavetero Weldon | |
| Otras operaciones |  | | |  | |  | |

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

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:



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



www.sandvik.coromant.com/coromill331

Acoplamientos

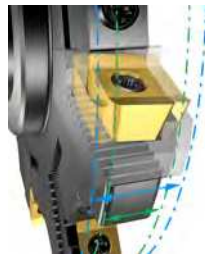
- Árbol con chavetero
- En eje
- Mango cilíndrico
- Alojamiento ajustables para una gran precisión
- Alojamiento fijos para una gran cantidad de dientes

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.

Alojamiento ajustable para flexibilidad.



I116



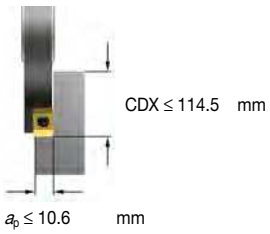
I130



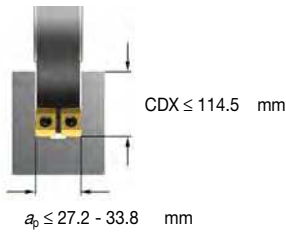
N6

FRESADO Herramientas de fresado de disco

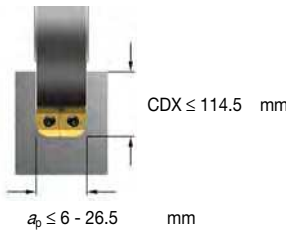
Dos cortes



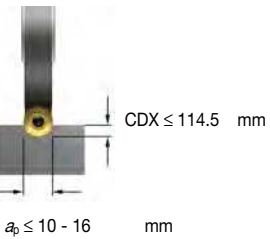
Dos cortes dobles



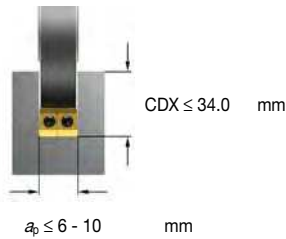
Ranurado con radio



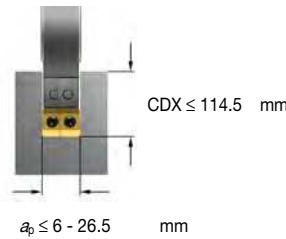
Radio completo



Alojamiento fijo para ranura



Cartucho para ranura



Tailor Made

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

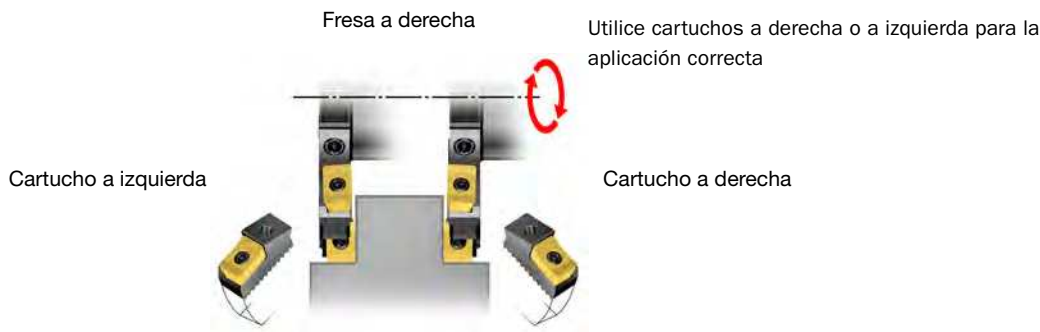
| Cuerpos de fresa | | Tamaño de la plaquita | Plaquitas neutras | | Plaquitas de diseño a derecha e izquierda | | | | |
|-------------------------------|---|-----------------------|-------------------|-------------------|---|--------------------|--------------------|--------------------|--------------------|
| Gama de anchuras de ranura mm | Versiones de fresa (parte final del código) | | 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 | | | | | | | |

Tailor Made

Radio de plaquita adicionales disponibles como Tailor Made.

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

Fresas de dos cortes y planeado



Fresa de tres cortes y planeado

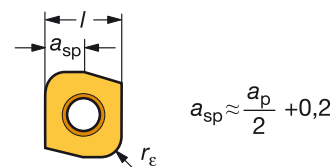
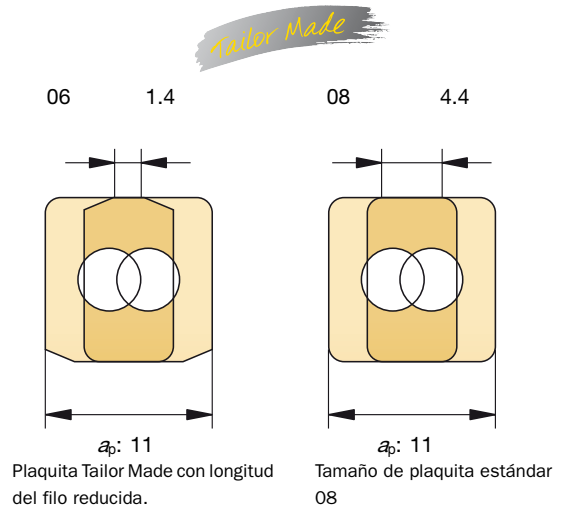


Longitud del filo reducida para plaquitas Tailor Made

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

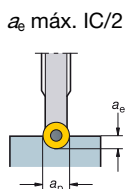
Un filo menos largo reduce la superposición, lo cual a su vez disminuye el desgaste en la zona de superposición, produciendo un mejor control de la viruta y reduciendo el consumo de potencia un 10%.

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

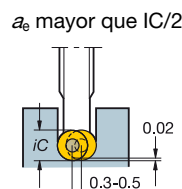


Evacuación optimizada de la viruta

Fresado de ranuras con fresa de plaquita redonda



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



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.

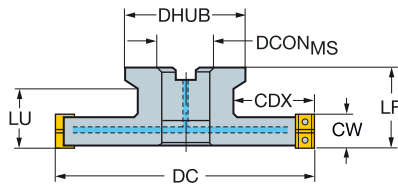
Nota: la longitud de contacto del filo de corte es 180°

FRESADO Herramientas de fresado de disco

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

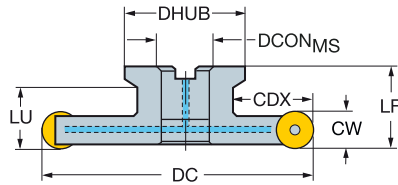


N6

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 |



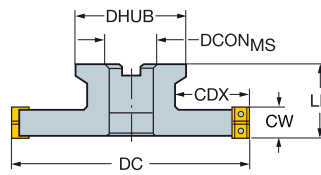
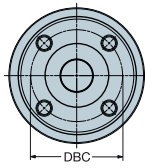
FRESADO Herramientas de fresado de disco

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

En eje

STDNO
KAPR

ISO6462
90°



N331.1A

| | | | | | | | | Dimensiones, mm | | | | | | | | | | | | | | |
|-------|------|-----|------|----|-------------------|---|-----------------------|--------------------|-----|------|-------|-----------------------|------|-------|-------|-------|------------|-----|-------|------|----|------------|
| CW | CWX | DC | CDX | | CZC _{MS} | | Código de pedido | DCON _{MS} | ISO | DBC | LF | DHUB | | | 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



I 118

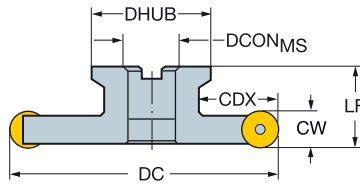
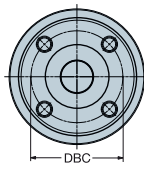


Fresa de disco ajustable CoroMill® 331 para fresado lateral y planeado

En eje

STDNO

ISO6462



RCKT
RCHT

| | | | | | | Dimensiones, mm | | | | | | | | | | | |
|-------|-----|------|----|-------|----|-------------------|--------|-----|------|-------|------|-----|-------|-------|-----|------|---------------|
| CW | DC | CDX | | CZCms | | Código de pedido | DCONms | ISO | DBC | LF | DHUB | | | 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

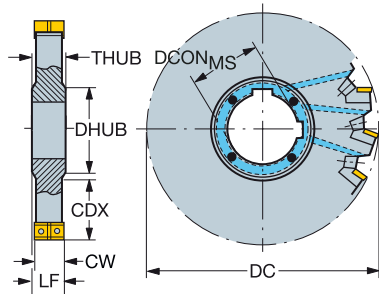


FRESADO Herramientas de fresado de disco

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

Árbol con chavetero - Suministro de refrigerante interior

KAPR 90°



| | | | | | | | | | | | Dimensiones, mm | | | | | | |
|-------|------|-----|------|-------------------|------|-----------------------|--------------------|-------|-------|------|-----------------|-----|-----|------|-------|------|------------|
| CW | CWX | DC | CDX | CZC _{MS} | CNSC | Código de pedido | 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 | 0.52 | 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 | 100 | 25.5 | 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

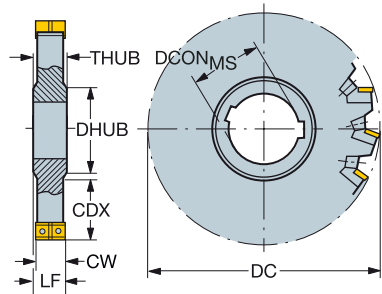
| Piezas de repuesto | | |
|--------------------|-----------------------------------|------------------------------|
| CZC _{MS} | Juego de tornillo de refrigerante | Juego de anillo distanciador |
| 27 | 5512 076-101 | 5549 091-032 |
| 32 | 5512 076-102 | 5549 091-042 |
| 40 | 5512 076-103 | 5549 091-052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



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

Cubo con chavetero

KAPR 90°



N331.1A

| | | | | | | | | Dimensiones, mm | | | | | | | | | | | |
|-------|------|-----|-------|----|-------------------|----|-----------------------|--------------------|-------|-------|------|------|-----|-------|-------|------|------------|--|--|
| CW | CWX | DC | CDX | | CZC _{MS} | | Código de pedido | DCON _{MS} | LF | DRVCT | DHUB | THUB | | | 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 |

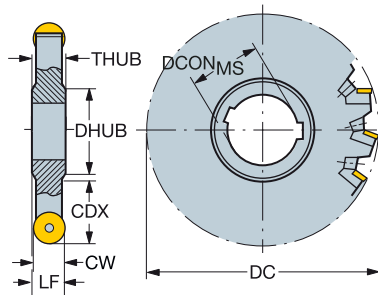
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es



FRESADO Herramientas de fresado de disco

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

Cubo con chavetero



RCKT
RCHT

| | | | | | | Dimensiones, mm | | | | | | | | | | | |
|-------|-----|------|----|----|------------------|--------------------|------|-------|------|------|------|-----|------|-------|------|------|---------------|
| CW | DC | CDX | | | Código de pedido | DCON _{MS} | LF | DRVCT | DHUB | THUB | | | 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 |

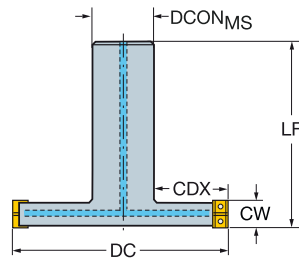
Para ver la lista completa de piezas de repuesto, consulte www.sandvik.coromant.com/es



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

Mango cilíndrico - Suministro de refrigerante interior

KAPR 90°



| | | | | | | | | | | Dimensiones, mm | | | | | | | | | |
|-------|------|-----|------|----|-------------------|------|---|-------------------|--------------------|-----------------|----|-----|------|-------|------|------------|--|--|--|
| CW | CWX | DC | CDX | | CZC _{MS} | CNSC | | Código de pedido | DCON _{MS} | LF | | | | 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

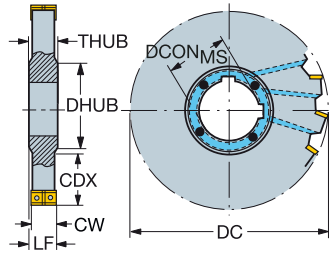


FRESADO Herramientas de fresado de disco

Fresa de disco CoroMill® 331 para fresado lateral y planeado

Árbol con chavetero - Suministro de refrigerante interior

KAPR 90°



| | | | | | | | Dimensiones, mm | | | | | | | | | | | |
|-------|-----|------|----|-------------------|------|---|----------------------|--------------------|-------|-------|------|------|----|-----|------|-------|------|------------|
| CW | DC | CDX | | CZC _{MS} | CNSC | | Código de pedido | DCON _{MS} | LF | DRVCT | DHUB | THUB | | | | 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



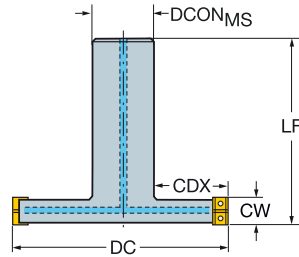
I 124



Fresa de disco CoroMill® 331 para fresado lateral y planeado

Mango cilíndrico - Suministro de refrigerante interior

KAPR 90°



| | | | | | | | Dimensiones, mm | | | | | | | | |
|-------|----|------|----|-------------------|------|---|----------------------|--------------------|--------|----|-----|------|-------|------|------------|
| CW | DC | CDX | | CZC _{MS} | CNSC | | Código de pedido | DCON _{MS} | LF | | | | 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



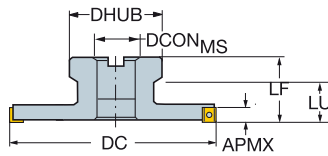
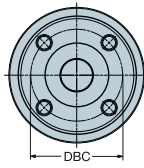
FRESADO Herramientas de fresado de disco

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

En eje

STDNO
KAPR

ISO6462
90°



N331.1A

| | | | | | | Dimensiones, mm | | | | | | | | | | | |
|-----|-------------------|------|----------|------------------|-------------------|--------------------|-----|-------|-------|------|------|-------|-------|------|------------|------|--|
| DC | CZC _{MS} | APMX | Diagrama | Código de pedido | | DCON _{MS} | 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



ISO
13399



N23

I 126



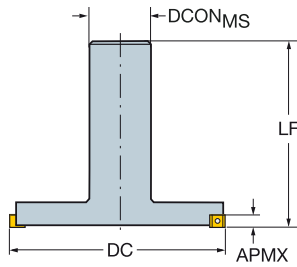
Fresa de disco ajustable CoroMill® 331 de dos cortes y planeado

Mango cilíndrico

KAPR 90°



N331.1A



| | | | | | Dimensiones, mm | | | | | | | |
|-----|-------------------|------|------------------|---|--------------------|------|--------|-----|------|-------|------|------------|
| DC | CZC _{MS} | APMX | Código de pedido | | DCON _{MS} | 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

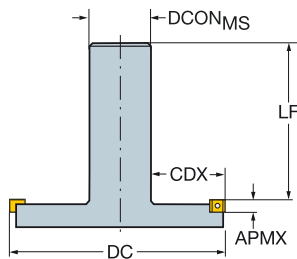
Fresa de disco ajustable CoroMill® 331 de dos cortes y planeado inverso

Mango cilíndrico

KAPR 90°



N331.1A



| | | | | | Dimensiones, mm | | | | | | | | |
|-----|------|-------------------|------|------------------|--------------------|-------------------|------|--------|------|------|-------|---|------------|
| DC | CDX | CZC _{MS} | APMX | Código de pedido | DCON _{MS} | 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



FRESADO Herramientas de fresado de disco

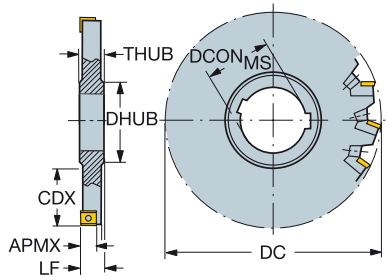
Fresa de disco ajustable CoroMill® 331 de dos cortes y planeado inverso

Cubo con chavetero

KAPR 90°



N331.1A



| | | Dimensiones, mm | | | | | | | | | | | | | | |
|-----|-------|-------------------|------|------|------------------|--------------------|------|-------|------|------|------|-----|-------|-------|------|------------|
| DC | CDX | CZC _{MS} | APMX | ⊕ | Código de pedido | 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

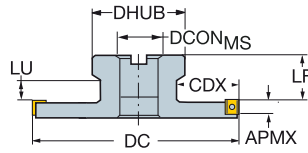
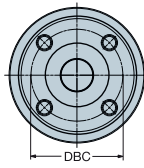


Fresa de disco ajustable CoroMill® 331 de dos cortes y planeado inverso

En eje

STDNO
KAPR

ISO6462
90°



N331.1A

| | | | | | | Dimensiones, mm | | | | | | | | | | | | |
|-----|------|----|-------------------|------|----|-------------------|--------------------|-----|-------|-------|------|------|------|-------|------|------------|------------|--|
| DC | CDX | | CZC _{MS} | APMX | | Código de pedido | DCON _{MS} | ISO | DBC | LF | LU | DHUB | | | RPMX | CICT | MID | |
| 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 | R331.52-125Q32EML | 32.0 | B | 51.00 | | 64.0 | 1.2 | 1.95 | 14100 | 10 | N331.1A-08 | | |
| 125 | 29.5 | 08 | 32 | 7.6 | 10 | R331.52-125Q32FML | 32.0 | B | 53.00 | | 64.0 | 1.2 | 1.81 | 14100 | 10 | N331.1A-08 | | |
| 160 | 41.0 | 08 | 40 | 7.6 | 12 | R331.52-160Q40EML | 40.0 | B | 51.00 | | 76.0 | 1.2 | 2.90 | 12400 | 12 | N331.1A-08 | | |
| 160 | 41.0 | 08 | 40 | 7.6 | 12 | R331.52-160Q40FML | 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 | |

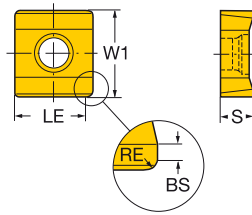
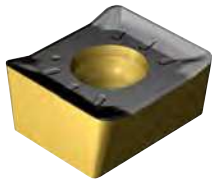
| Piezas de repuesto | | | |
|--------------------|----------------------|-------------|-------------|
| Código de pedido | Tornillo de plaquita | Cuña | Tornillo |
| R331.52-080Q27EML | 5513 020-24 | 5431 105-01 | 269-832 |
| R331.52-080Q27FML | 5513 020-24 | 5431 105-02 | 269-832 |
| R331.52-100Q27EML | 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



Plaquita CoroMill® 331 para fresado lateral y planeado

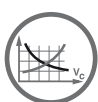
KRINS 90°



| Medio | RE | Código de pedido | Dimensiones, mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|------|----------------------|----------------------|------|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|-----|------|------|------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| | | | P | | | M | | | K | | | N | | | S | | | H | | | | | | | | | | | | | | | | | | | | |
| | | | 1025 | 1040 | 1130 | 2040 | 3040 | 4330 | 4940 | 530 | S30T | 1020 | 1025 | 3040 | 3220 | 3330 | 4330 | 4940 | H10 | H13A | 1025 | 1130 | 530 | H10 | H13A | 1025 | 1130 | 2040 | H13A | S30T | 1025 | 1130 | 3040 | 530 | W1 | LE | S | BS |
| Medio | 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 |
| | | 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

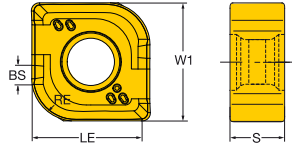


FRESADO Herramientas de fresado de disco

Plaquita CoroMill® 331 para fresado lateral y planeado

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

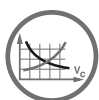
KRINS 90°



| | SSC | RE | Código de pedido | P | | | | M | | | K | | N | | S | | H | | Dimensiones, mm | | | | | |
|--------|-----|----|------------------|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|------|------|------|------|-----|
| | | | | 1040 | 1130 | 2040 | 3040 | 4330 | 1040 | 1130 | 2040 | S30T | 1020 | 3040 | 4330 | 1130 | 1130 | 2040 | S30T | 1130 | 3040 | W1 | LE | S |
| 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

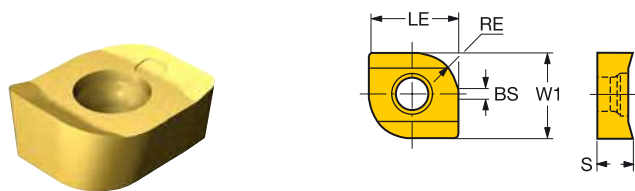


N10

Plaquita CoroMill® 331 para fresado lateral y planeado

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

KRINS 90°

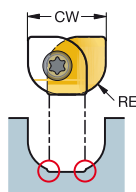


| Ligero | WL | RE | Código de pedido | Dimensiones, mm | | | | | | | | | | | | | | | | |
|--------|------|----------------------|------------------|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| | | | | P | | | M | | | K | | N | | S | | | | H | | |
| | | | | 1130 | 4340 | 1025 | 1040 | 1130 | 1025 | 4340 | 1130 | H10F | 1025 | 1040 | 1130 | S30T | H10F | 1130 | W1 | LE |
| 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



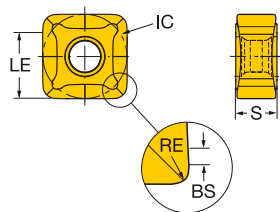
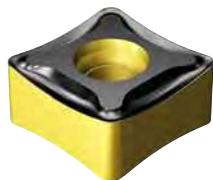
N10



FRESADO Herramientas de fresado de disco

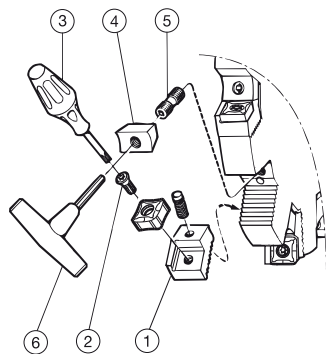
Plaquita CoroMill® 331 para fresado lateral y planeado

KRINS 88°



| Medio | PM | RE | Código de pedido | P | | | | M | | K | | | | N | | S | | H | | Dimensiones, mm | | | | |
|-------|----|------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|------|------|------|-----|
| | | | | 1130 | 3040 | 4220 | 4330 | 4340 | 1130 | 4340 | 1020 | 3040 | 3330 | 4220 | 4330 | 4340 | 1130 | 1130 | 1130 | 3040 | 4220 | IC | LE | S |
| | | 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 (φ 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 (φ 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

