

Laboratorio

Programa General

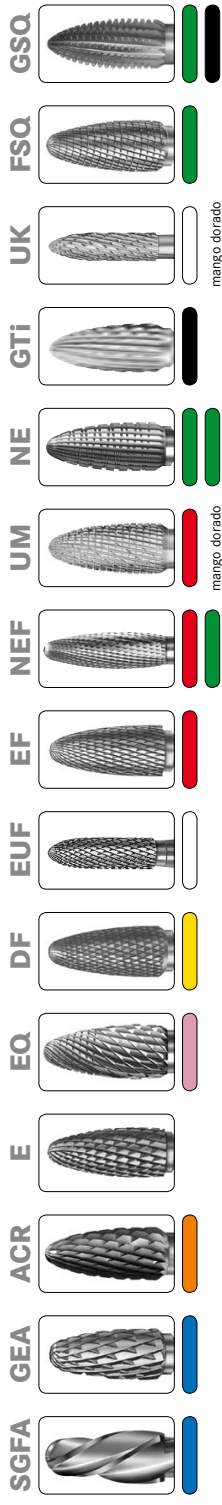


Cortadores, fresas y acabadores



Compás | Fresas de carburo

Recomendación para el uso eficiente con fresas de carburo en el corte al aire



mango dorado

mango dorado

Escayola



Modelos

gruesa
humeda

gruesa
seca

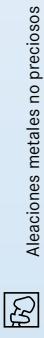
media
seca

15 000 rpm

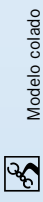
Metales



Aleaciones de metales preciosos



Aleaciones metales no preciosos



Modelo colado



Titanio

Elegir la velocidad según la dureza del material:
15 000 rpm - 20 000 rpm

formación

ultra fina

fina

fina* alta-efi-
cacia de corte

media
fina

gruesa

gruesa

media

gruesa

Cerámica



Cerámica para vaneers

20 000 - 25 000 rpm

universal

Acrílicos



Composite



Dentadura acrílica



Acrílicos blandos



Acrílicos provisionales

15 000 rpm

media

universal

fina

universal

universal

Recorte en escayola
húmeda

Recorte en escayola
seca

Recorte aspero

Remover el material
solante, recorte

Correcciónes
superficiales

Formación superficies
delicadas

Correcciónes finas

Alisado

Conformado,
recorte fino

Recorte conformedo

Recorte aspero

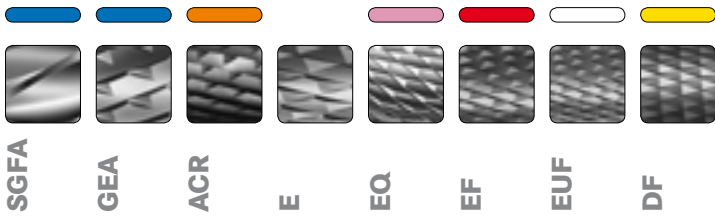
Conformado, recorte,
correcciónes

Recorte aspero y
universal

Conformado, recorte,
correcciónes

Recorte aspero y
universal

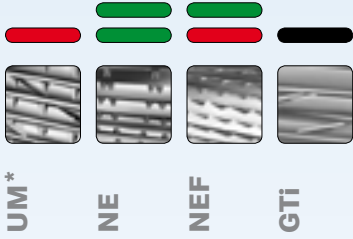
Recomendaciones de uso



Dentadura de seguridad con torsión hacia la izquierda
 ⇒ identificada por la letra «A» y el anillo azul
 ⇒ mantiene la fresa en la pinza portapieza con toda seguridad para una mayor seguridad aún trabajando con alta velocidad y alta capacidad de corte

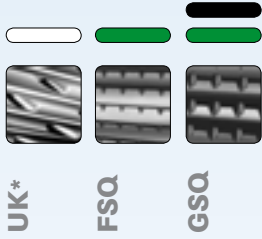
La dentadura en cruz divide los filos del instrumento en elementos individuales dispuestos de manera alternada (cruzada):
 ⇒ virutas cortas, granuladas que no penetran en la piel
 ⇒ corte suave casi sin presión
 ⇒ obtención de superficies lisas y brillantes

Dentadura tiene puntas cortantes en forma pirámide
 ⇒ trabaja como un abrasivo
 ⇒ superficies ligeramente ásperas



Dentadura triple, patentada
 ⇒ presión reducida = superficie lisa
 ⇒ presión elevada = mayor reducción de material

Dentaduras de alta eficacia para aleaciones de metal duras
 ⇒ fácil penetración al trabajar materiales tenaz-duros
 ⇒ poca generación de calor
 ⇒ no se empasta

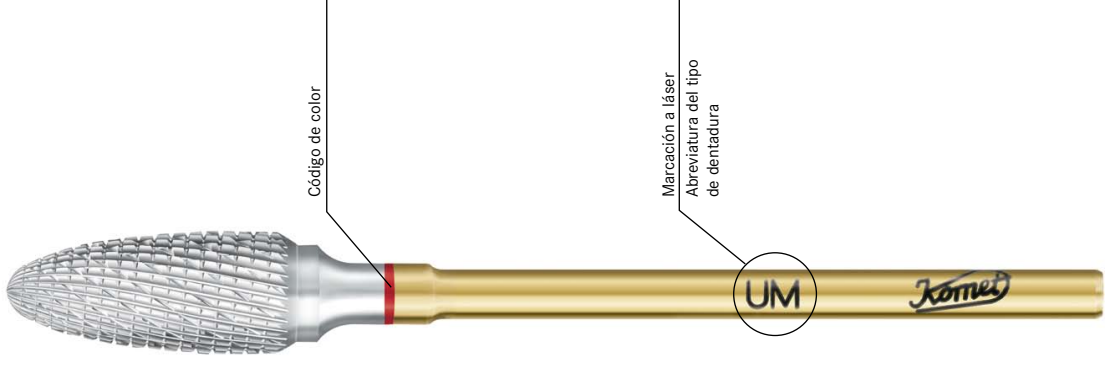


Dentadura de alta eficacia (derecha/derecha) para acrílicos para veneers, cerámica antes del glaseado final así como las zonas de transición entre el veneer y la armazón metálica

Dentadura de alta eficacia para acrílicos con corte transversal que divide los filos del instrumento en segmentos más pequeños
 ⇒ fácil penetración al trabajar materiales elásticos y tenaz-duros
 ⇒ poca generación de calor
 ⇒ no se empasta

Atención: Trabajar fresando sólo en dirección al cuerpo!

*mango derado



Recomendaciones para una larga duración de la fresa y un trabajo efectivo

⇒ **Velocidad de rotación:**
 Observe las velocidades recomendadas y una presión de contacto de 2 - 4 N.
 La pieza de mano debe rotar con una velocidad constante sin variaciones.

⇒ **Mantenimiento de la pieza de mano:**
 Introduzca la fresa hasta el cuello para garantizar una función correcta.
 Limpie la pinza portapieza de la pieza de mano en intervalos regulares.
 La pinza portapieza debe cambiarse tan pronto como se encuentren trazas de desgaste en la fresa.

⇒ **Mantenimiento de las fresas:**
 Asegúrese de remover todas las virutas de metal residuales de los filos para garantizar un trabajo efectivo.
 Use el cepillo metálico de limpieza REF 9791 o REF 9785 para limpiar fresas empastadas.



**Fresas
de carburo
de tungsteno**

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	500 104 001175 H71.104.004
	500 104 001175 H71.104.005
	500 104 001175 H71.104.006
	500 104 001175 H71.104.007
	500 104 001175 H71.104.008
	500 104 001175 H71.104.009
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	500 104 001175 H71.104.027
	500 104 001175 H71.104.040
	500 104 001175 H71.104.050

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	500 104 001003 H1S.104.018
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Acabadores

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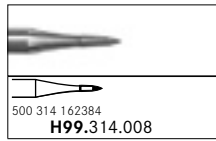
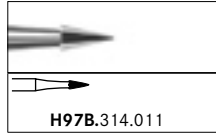
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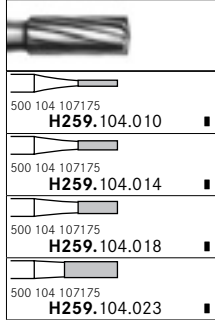
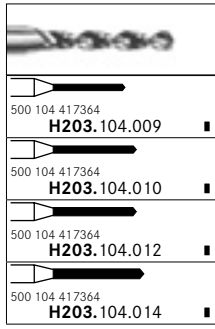
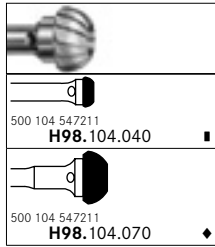
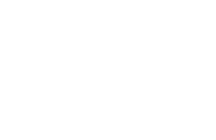
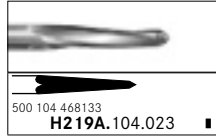
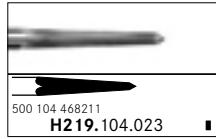
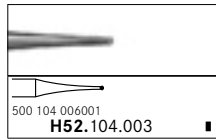
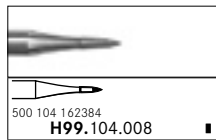
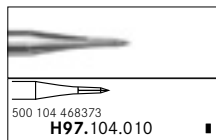
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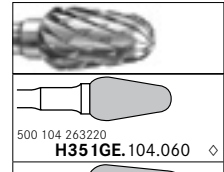
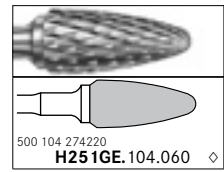
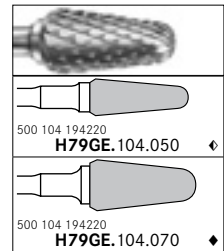
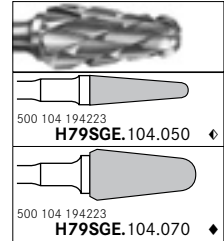
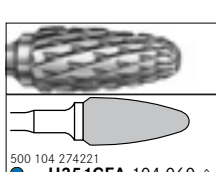
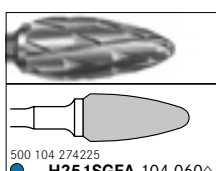
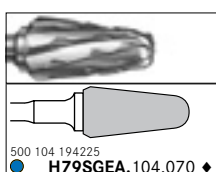
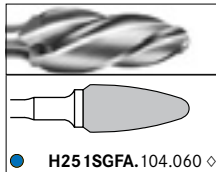
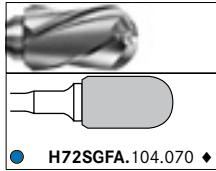
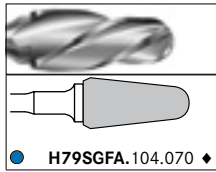
Instrumentos para la turbina de laboratorio



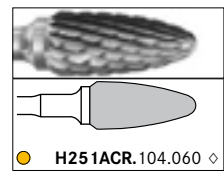
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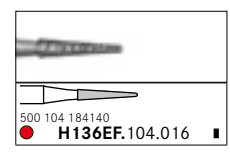
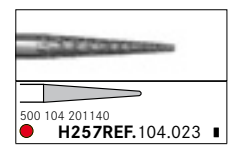
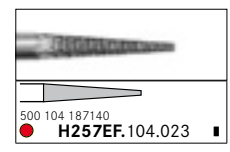
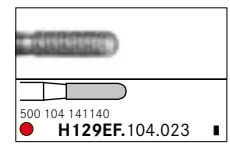
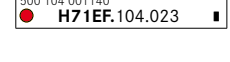
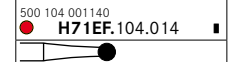
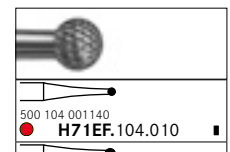
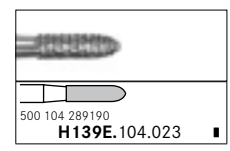
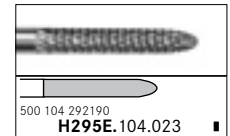
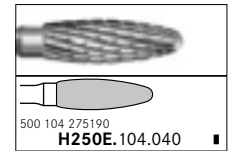
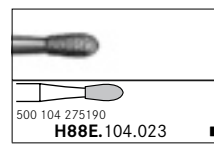
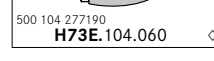
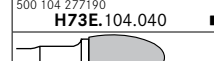
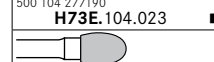
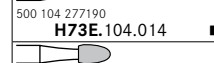
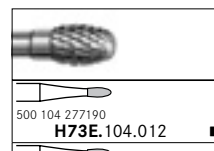
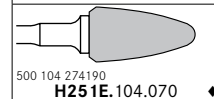
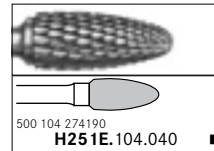
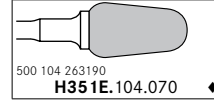
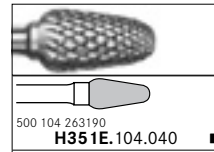
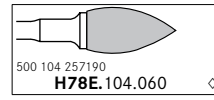
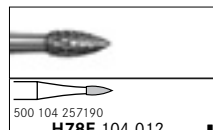
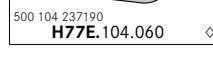
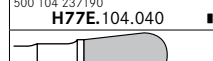
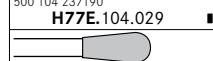
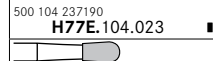
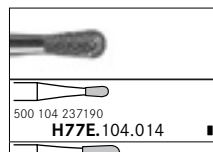
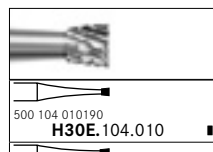
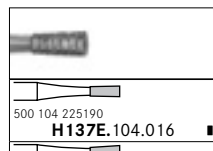
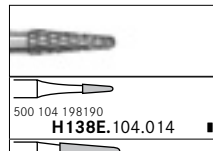
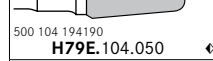
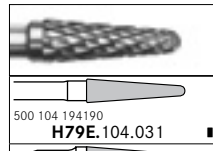
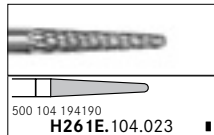
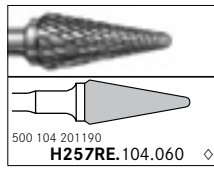
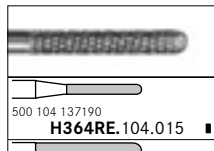
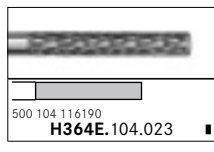
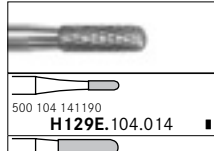
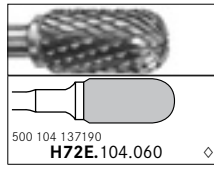
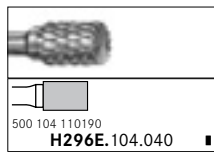
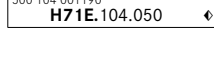
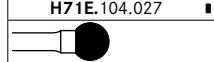
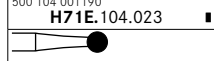
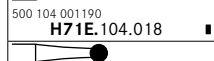
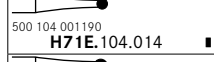
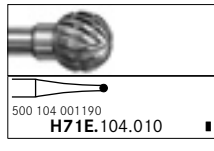
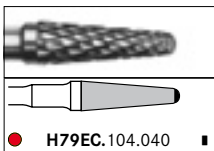
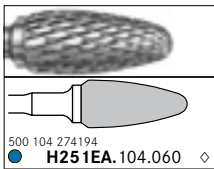
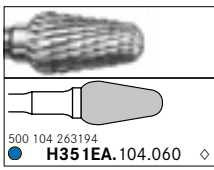
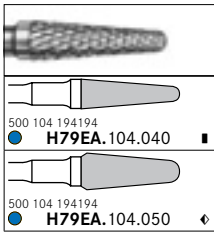
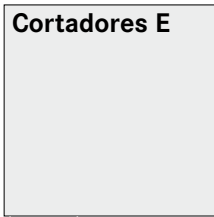
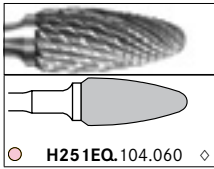
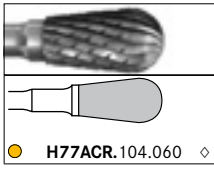
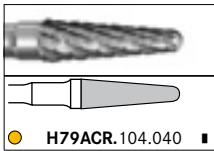


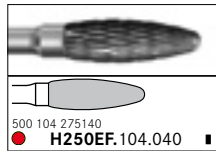
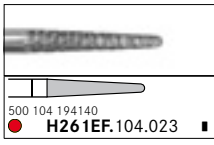
Cortadores SGFA



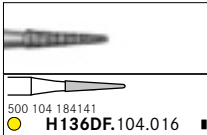
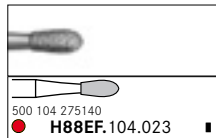
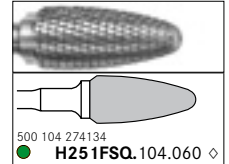
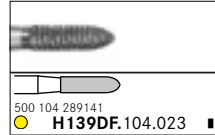
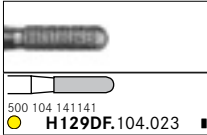
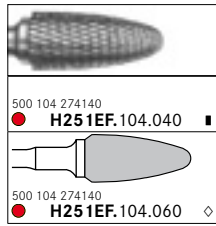
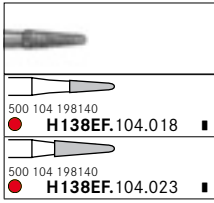
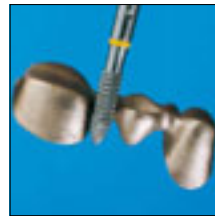
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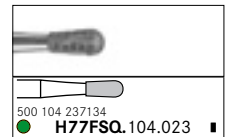
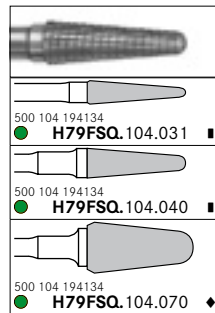
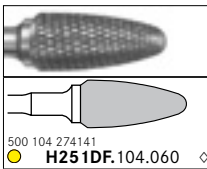
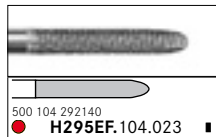
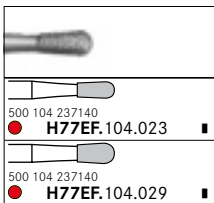
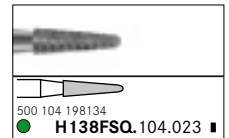
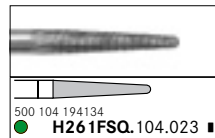
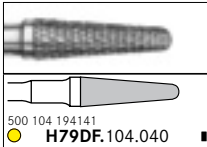
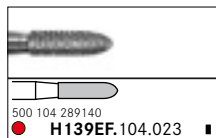
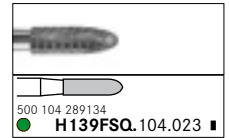
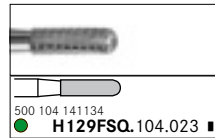
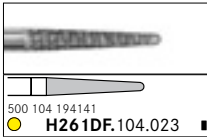
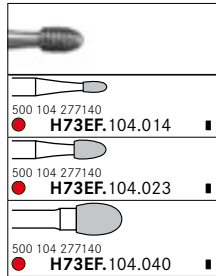
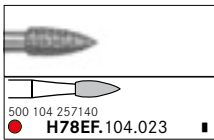
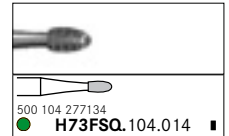




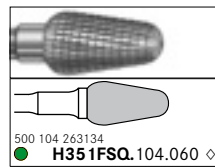
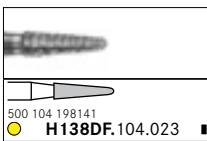
Cortadores DF



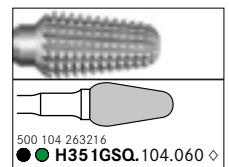
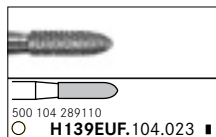
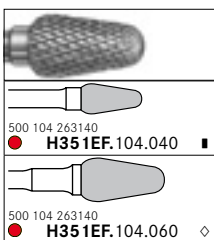
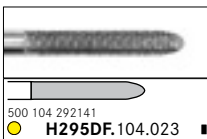
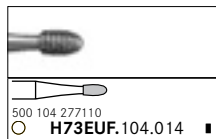
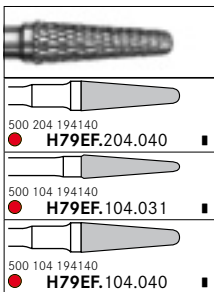
Cortadores FSQ



Cortadores EUF



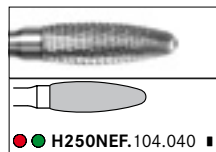
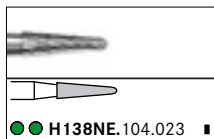
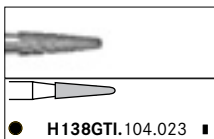
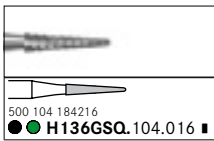
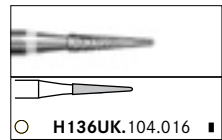
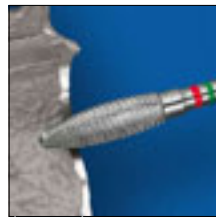
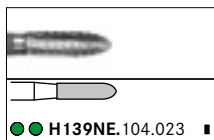
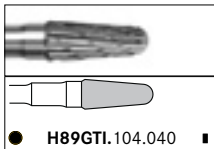
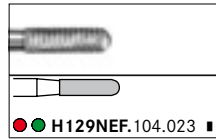
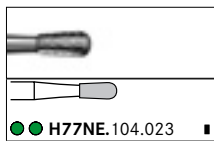
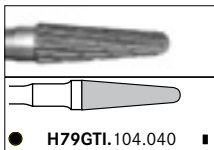
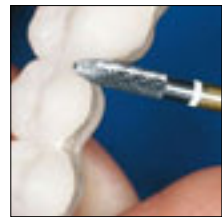
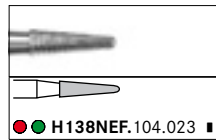
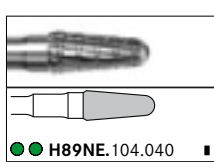
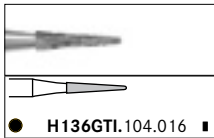
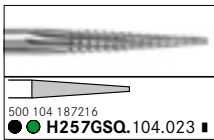
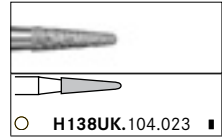
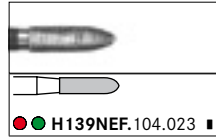
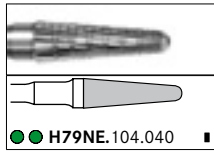
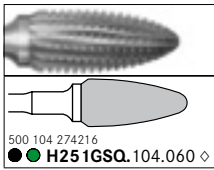
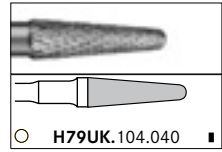
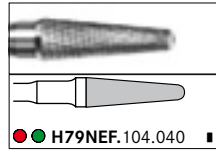
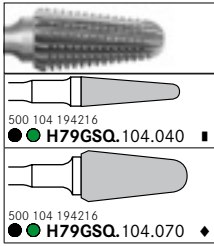
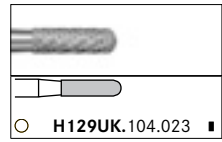
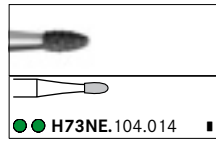
Cortadores GSQ



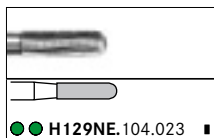


Cortadores GTi

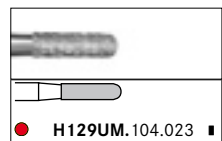
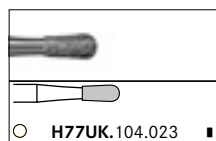
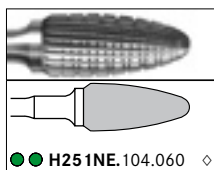
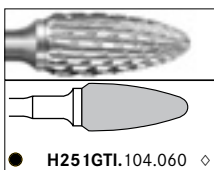
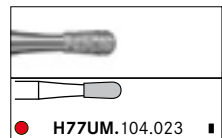
Cortadores NE-/NEF

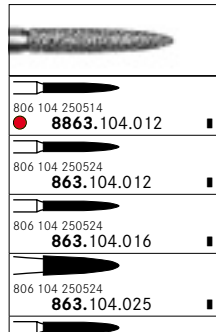
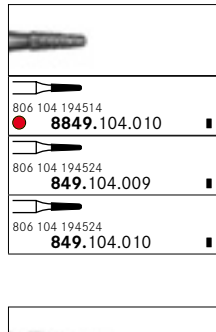
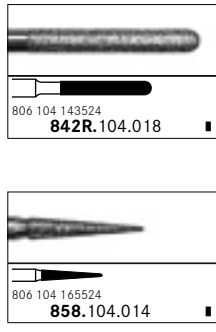
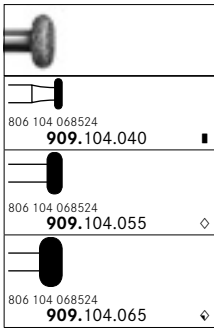


Cortadores UM

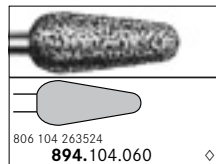
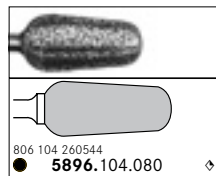
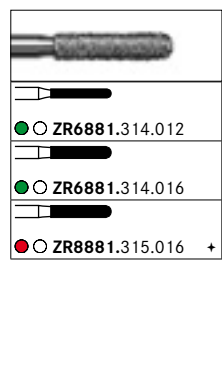
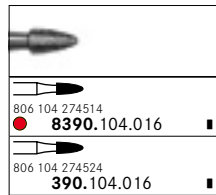
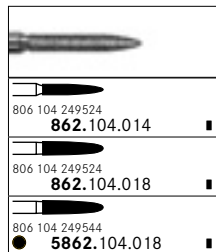
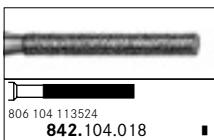
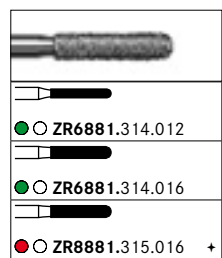
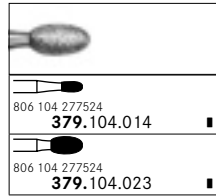
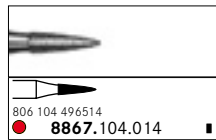
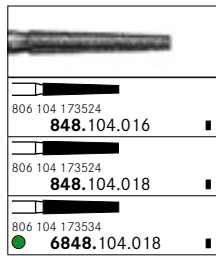
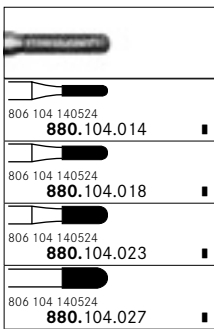
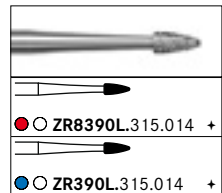
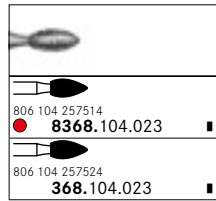
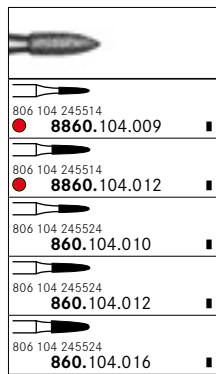
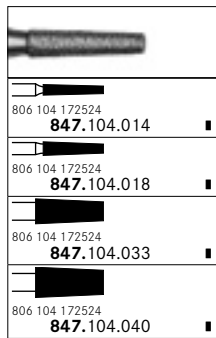
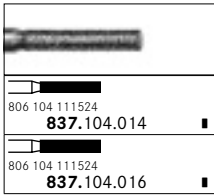
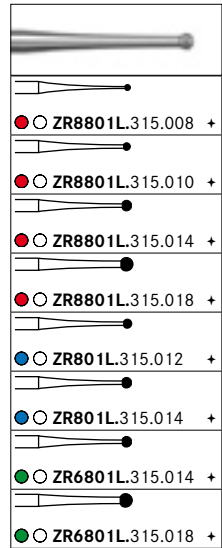
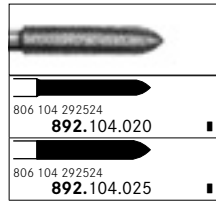
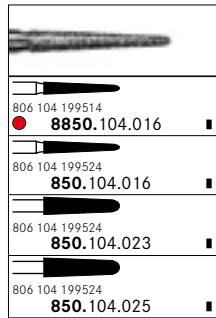
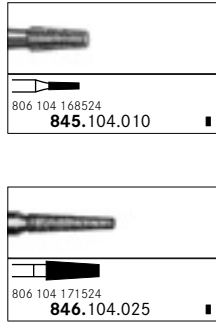
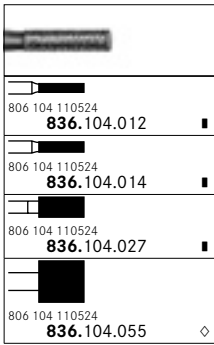
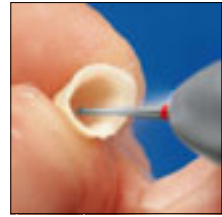
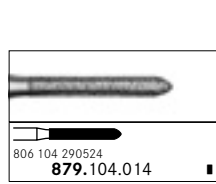
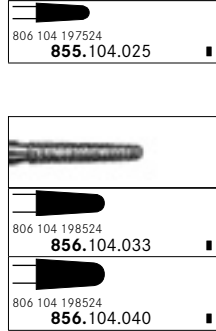
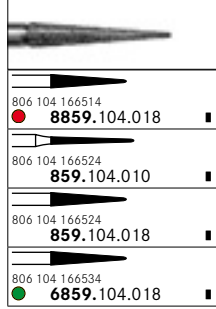
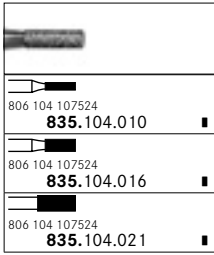
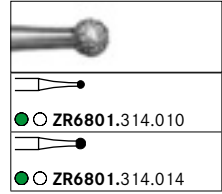


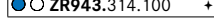
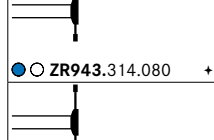
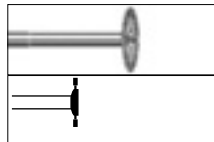
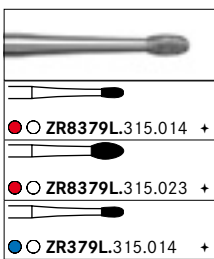
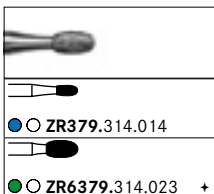
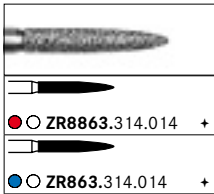
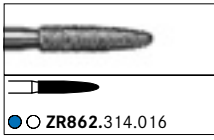
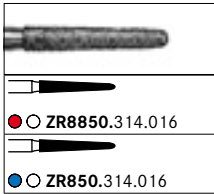
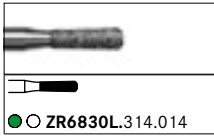
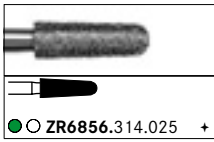
Cortadores UK



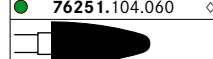
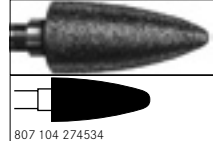
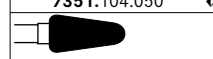
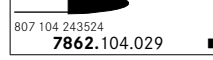
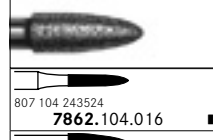
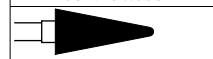
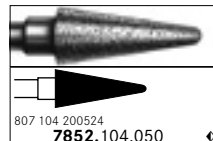
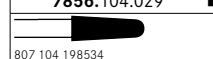
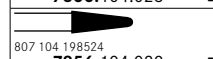
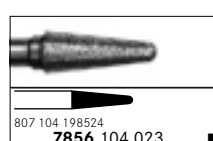
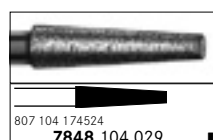
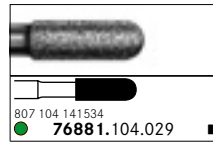
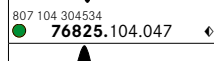
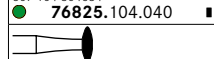
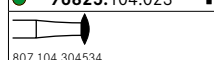
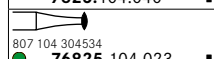
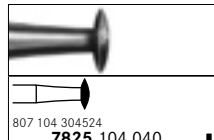
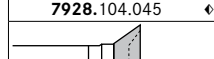
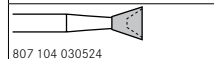
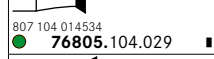
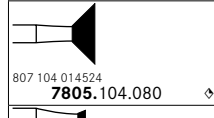
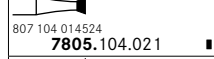
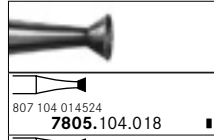
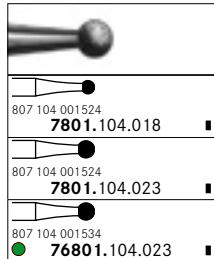
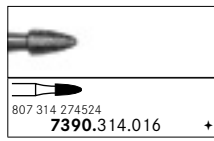
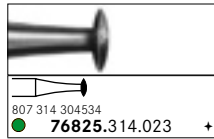
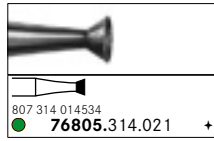
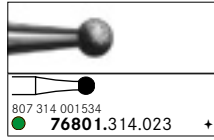


Abrasivos ZR

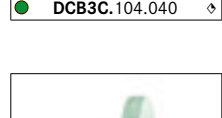
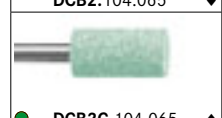




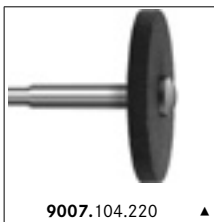
Abrasivos DSB con ligazón sinterizada



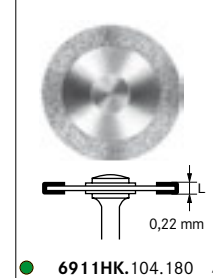
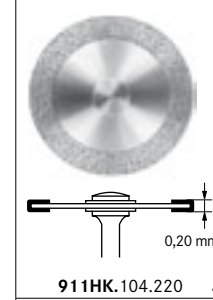
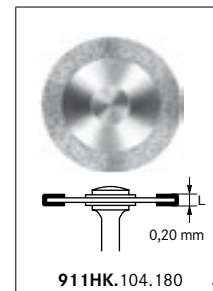
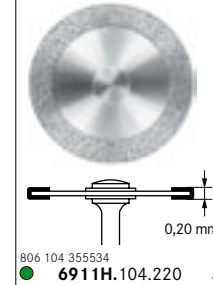
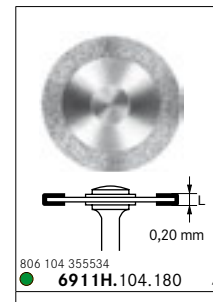
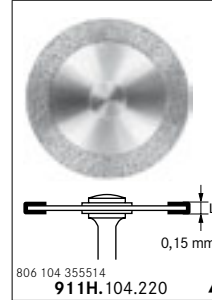
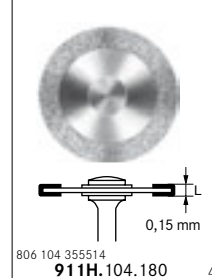
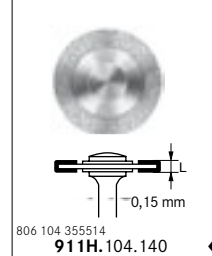
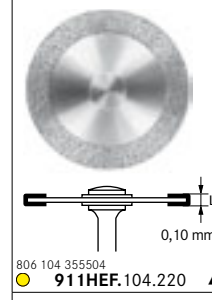
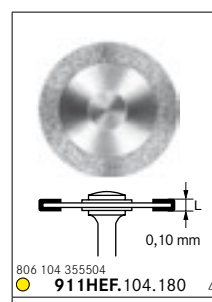
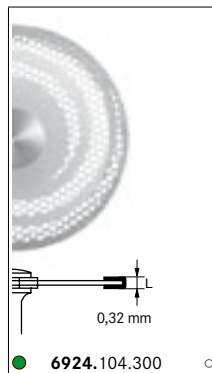
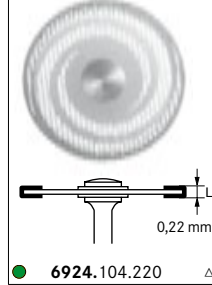
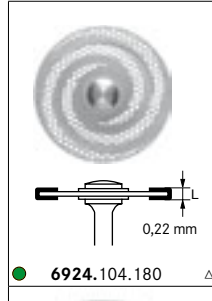
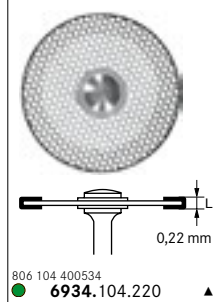
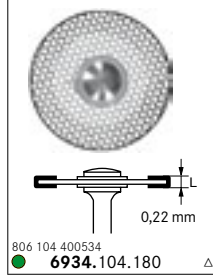
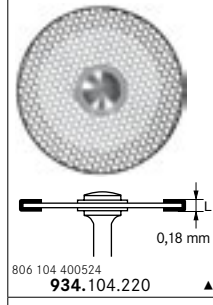
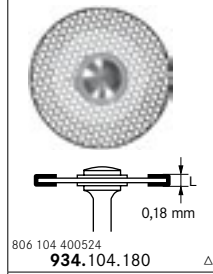
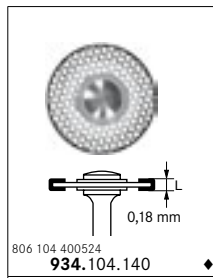
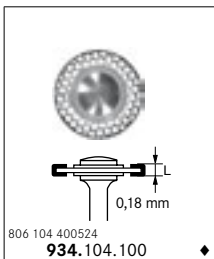
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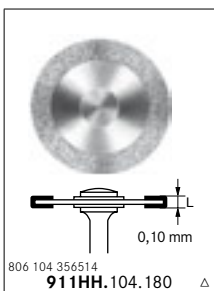
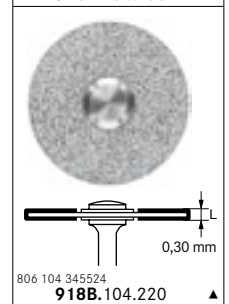
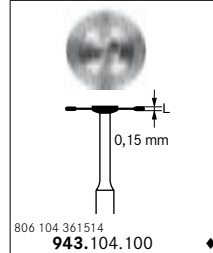
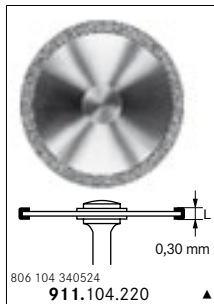
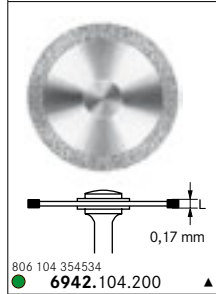
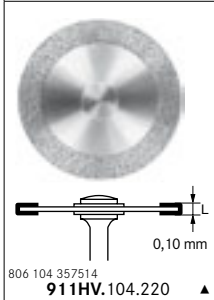
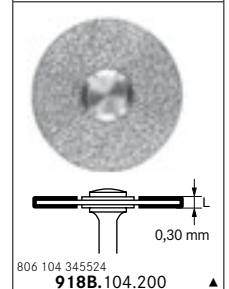
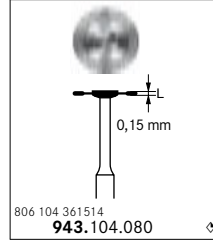
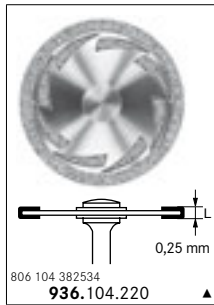
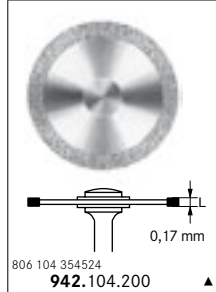
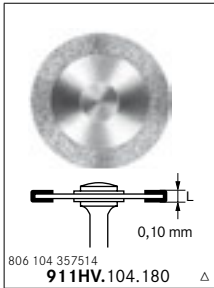
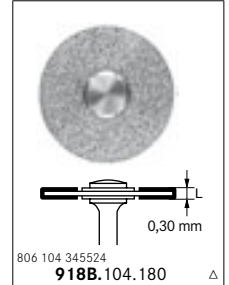
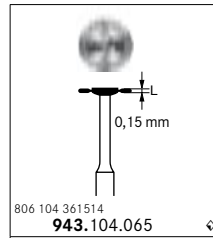
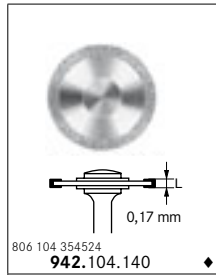
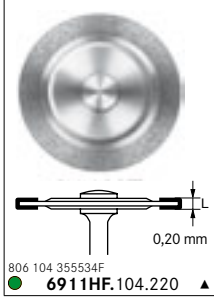
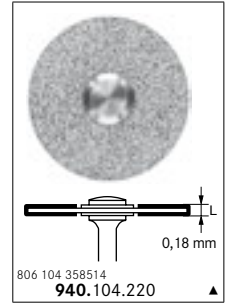
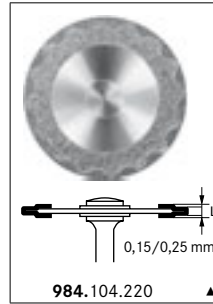
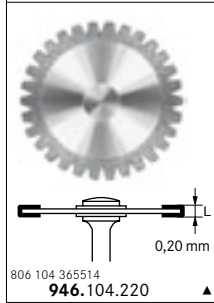
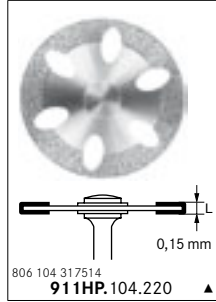
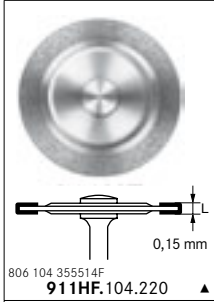
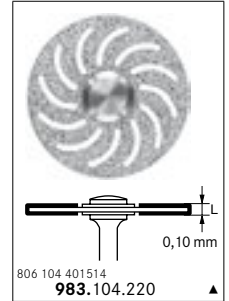
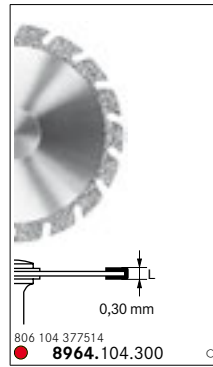
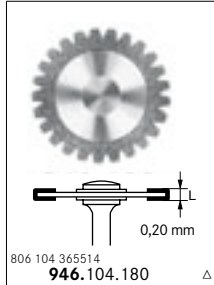
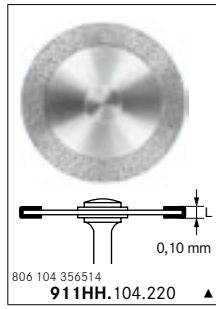
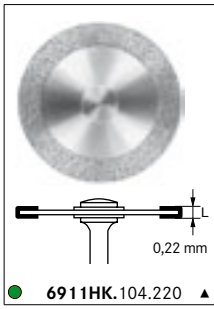


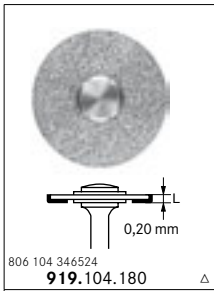
Abrasivos K



**Discos
diamantados**

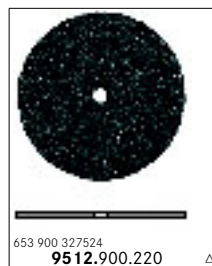
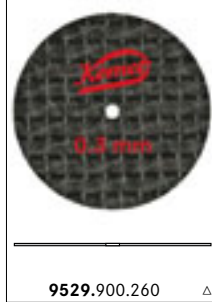
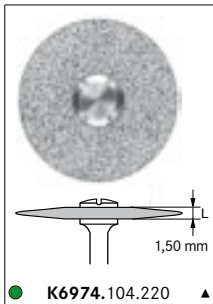
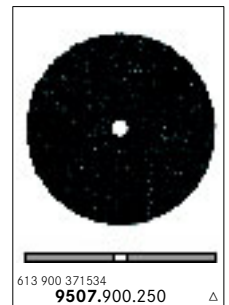
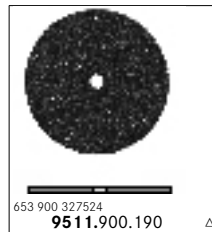
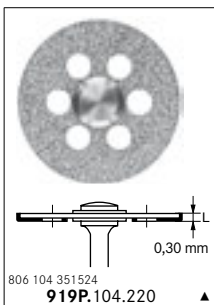
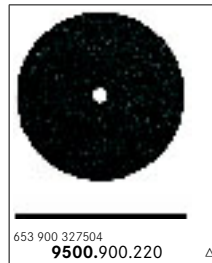
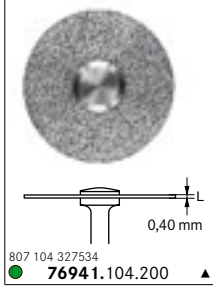
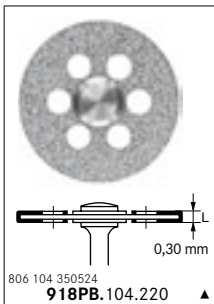
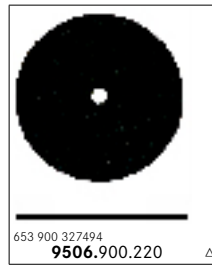
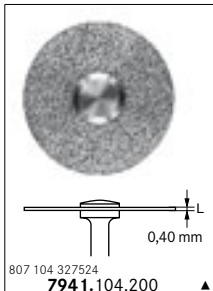
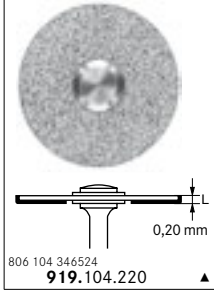
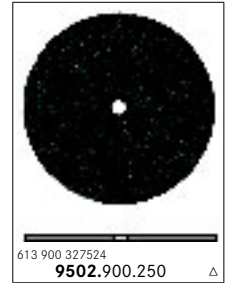
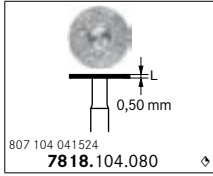
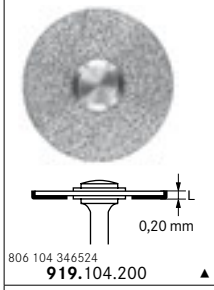






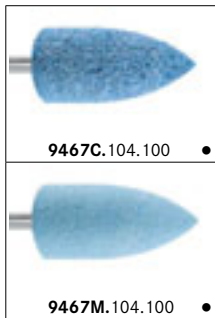
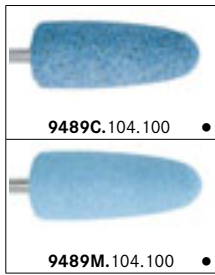
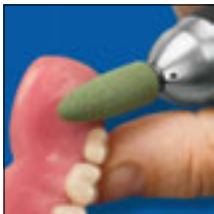
Discos de diamante con ligazón sinterizada

Discos de separar

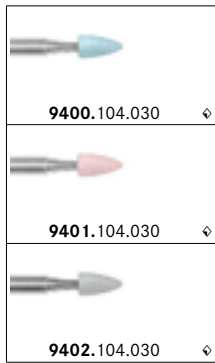
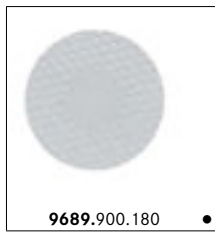
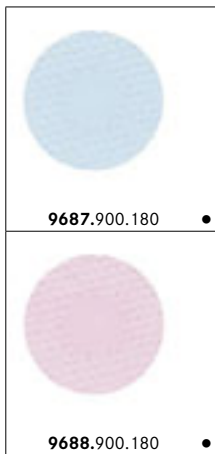




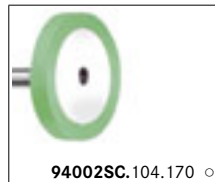
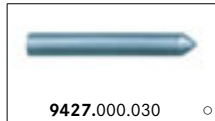
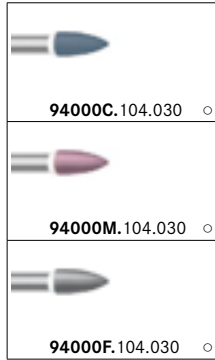
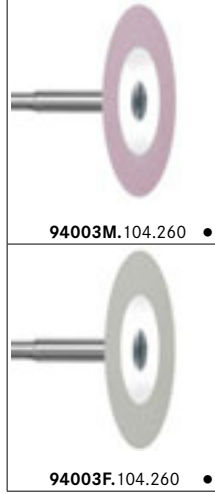
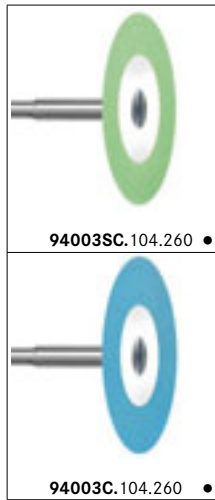
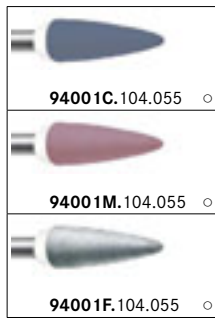
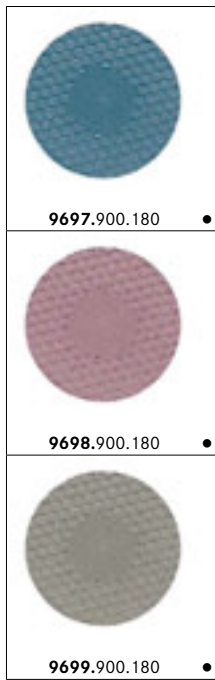
Pulidores para acrílicos



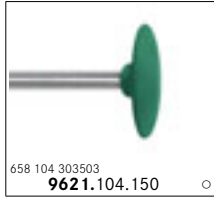
Pulidores para acrílicos con granos de diamante incrustados



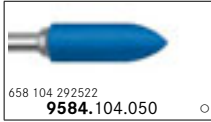
Pulidores para cerámicas con granos de diamante incrustados



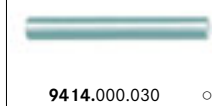
Pulidores para metales



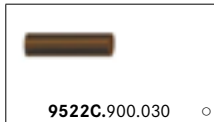
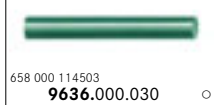
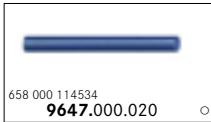
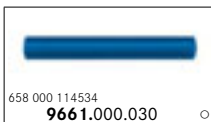
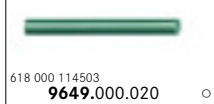
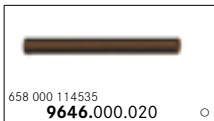
Pulidores universales

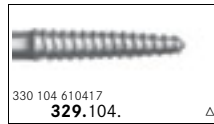
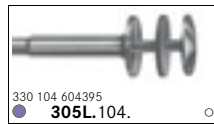
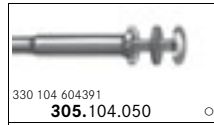
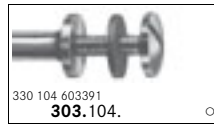
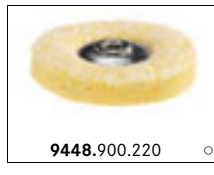
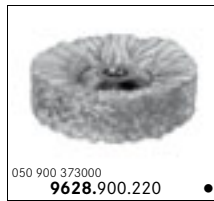
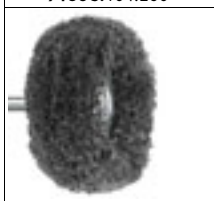
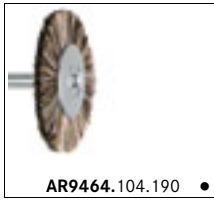
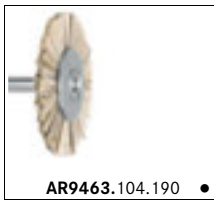


Pulidores de diamante para titanio y aleaciones de metales no preciosos



**Cepillos/
Pasta/
Mandriles**





Auxiliares



Máxima velocidad


■ = ○ _{max.} 100 rpm	● = ○ _{max.} 16.000 rpm	◆ = ○ _{max.} 80.000 rpm
□ = ○ _{max.} 500 rpm	▲ = ○ _{max.} 20.000 rpm	◆ = ○ _{max.} 90.000 rpm
▣ = ○ _{max.} 800 rpm	△ = ○ _{max.} 25.000 rpm	■ = ○ _{max.} 100.000 rpm
● = ○ _{max.} 1.000 rpm	◆ = ○ _{max.} 30.000 rpm	▣ = ○ _{max.} 120.000 rpm
○ = ○ _{max.} 5.000 rpm	◇ = ○ _{max.} 35.000 rpm	▣ = ○ _{max.} 140.000 rpm
● = ○ _{max.} 6.000 rpm	◇ = ○ _{max.} 40.000 rpm	▣ = ○ _{max.} 150.000 rpm
● = ○ _{max.} 7.000 rpm	◇ = ○ _{max.} 50.000 rpm	▣ = ○ _{max.} 160.000 rpm
● = ○ _{max.} 10.000 rpm	◆ = ○ _{max.} 60.000 rpm	+ = ○ _{max.} 300.000 rpm
○ = ○ _{max.} 15.000 rpm	◆ = ○ _{max.} 70.000 rpm	○ _{max.} 450.000 rpm

sin identificación



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KALMA, S.A.

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