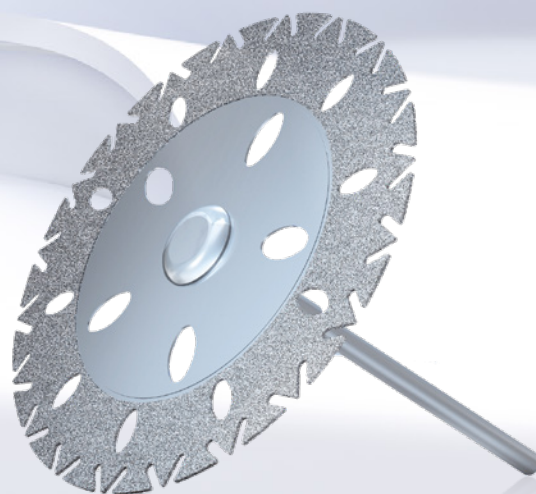




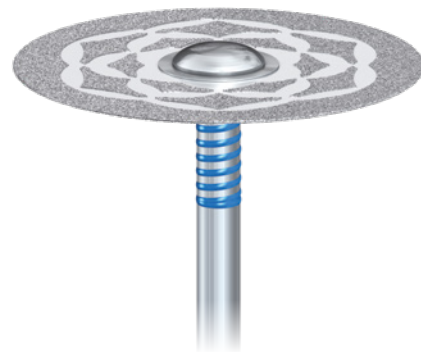
Diamond discs. Ordering guide.





Innovative diamond discs

Extended field of application in the dental laboratory due to an optimized coating procedure and an innovative design.



Disc with honeycomb design

permitting a clear view of the workpiece during separating and contouring of ceramics.

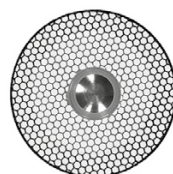
Advantages:

- optimal visibility and flexibility
- very large chip spaces
- smooth grinding without transitions
- efficient material reduction
- spiral reinforced to guarantee greater stability when working on ceramics and plaster
- extremely large and stable version for deflasking pressed ceramic objects

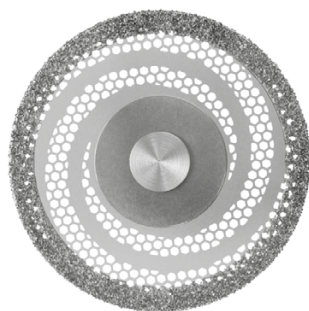


- 6924.104.180
- 6924.104.220
- 6924.104.300*/400*

* for plaster



- 934.104.100
- 934.104.140
- 934.104.180
- 934.104.220
- 6934.104.180
- 6934.104.220



- 924XC.104.400



Diamond disc with resin bond

for separating and trimming pressed and hard ceramics and metal alloys.

Advantages:

- reduced heat generation
- excellent stability and long service life



- K6974.104.220



Diamond discs

for use in the turbine

for separating zirconium casting sprues, with water cooling



- ○ ZR943.314.065/080/100



Partially coated diamond discs



hyperflexible · coated on both sides

■ Ceramics ■ Plaster ■ Acrylics

→ rough contouring
→ separating teeth in stone models
→ separating sprues

936.104.220 L=0,25 mm $\odot_{opt.}$ 15000 rpm

hyperflexible · coated on both sides

■ Ceramics ■ Acrylics

→ separating and contouring of ceramics and acrylics

● **D2014.104.180** L=0,25 mm $\odot_{opt.}$ 15000 rpm
● **D2014.104.220** L=0,25 mm $\odot_{opt.}$ 15000 rpm

hyperflexible · coated on both sides · 2-grit coating

■ Ceramics

→ separating and initial grinding without instrument change
→ fine grit on the outer surface
→ coarse grit on the inner surface

984.104.220 L=0,15/0,25 mm $\odot_{opt.}$ 15000 rpm

hyperflexible · coated on both sides · extra-fine diamond grit

■ Ceramics

→ extra-fine separating

● **911HEF.104.180** L=0,10 mm $\odot_{opt.}$ 20000 rpm
● **911HEF.104.220** L=0,10 mm $\odot_{opt.}$ 15000 rpm

hyperflexible · coated on both sides

■ Ceramics

→ initial separating and contouring

911H.104.140 L=0,15 mm $\odot_{opt.}$ 25000 rpm
911H.104.180 L=0,15 mm $\odot_{opt.}$ 20000 rpm
911H.104.220 L=0,15 mm $\odot_{opt.}$ 15000 rpm

hyperflexible · coated on both sides · coarse diamond grit

■ Ceramics

→ rough separating

● **6911H.104.180** L=0,20 mm $\odot_{opt.}$ 20000 rpm
● **6911H.104.220** L=0,20 mm $\odot_{opt.}$ 15000 rpm

flanged for excellent stability · *coarse diamond grit

■ Ceramics

→ straight separating

911HF.104.220 L=0,15 mm $\odot_{opt.}$ 15000 rpm
● **6911HF.104.220*** L=0,20 mm $\odot_{opt.}$ 15000 rpm

hyperflexible · coated on both sides · *coarse diamond grit

■ Ceramics

→ initial separating and contouring
→ special construction to avoid "jumping"

911HK.104.180 L=0,20 mm $\odot_{opt.}$ 20000 rpm
911HK.104.220 L=0,20 mm $\odot_{opt.}$ 15000 rpm
● **6911HK.104.180*** L=0,22 mm $\odot_{opt.}$ 20000 rpm
● **6911HK.104.220*** L=0,22 mm $\odot_{opt.}$ 15000 rpm

hyperflexible · coated on the upper side

■ Ceramics

→ separating and contouring on one side only

911HV.104.180 L=0,10 mm $\odot_{opt.}$ 20000 rpm
911HV.104.220 L=0,10 mm $\odot_{opt.}$ 15000 rpm

hyperflexible · coated on the lower side

■ Ceramics

→ separating and contouring on one side only

911HH.104.180 L=0,10 mm $\odot_{opt.}$ 20000 rpm
911HH.104.220 L=0,10 mm $\odot_{opt.}$ 15000 rpm

flexibel · diamond interspersed rim · *coarse diamond grit

■ Ceramics

→ initial separating and contouring

942.104.140 L=0,17 mm $\odot_{opt.}$ 25000 rpm
942.104.200 L=0,17 mm $\odot_{opt.}$ 15000 rpm
● **6942.104.200*** L=0,17 mm $\odot_{opt.}$ 15000 rpm

reduced flexibility · coated on both sides

■ Ceramics

→ separating and contouring
→ separating and grinding on both sides

911.104.220 L=0,30 mm $\odot_{opt.}$ 15000 rpm

rigid · coated on both sides

■ Ceramics

→ separating and grinding on both sides

910.104.220 L=0,60 mm $\odot_{opt.}$ 15000 rpm

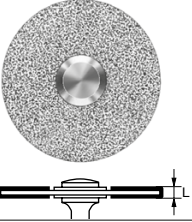
Completely coated diamond discs



hyperflexible · coated on both sides · fine diamond grit

Ceramics

→ initial separating and contouring

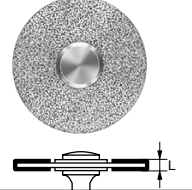


940.104.220	L=0,18 mm	⊙ _{opt.} 15000 rpm
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reduced flexibility · coated on both sides · * coarse diamond grit

Ceramics

→ separating and rough contouring

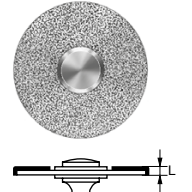


918B.104.180	L=0,30 mm	⊙ _{opt.} 20000 rpm
918B.104.200	L=0,30 mm	⊙ _{opt.} 15000 rpm
918B.104.220	L=0,30 mm	⊙ _{opt.} 15000 rpm
6918B.104.220 *	L=0,30 mm	⊙ _{opt.} 15000 rpm

reduced flexibility · coated on the upper side

Ceramics

→ separating and rough contouring

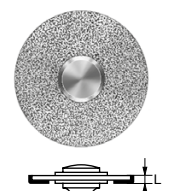


918.104.180	L=0,20 mm	⊙ _{opt.} 20000 rpm
918.104.220	L=0,20 mm	⊙ _{opt.} 15000 rpm

reduced flexibility · coated on the lower side

Ceramics

→ separating and rough contouring



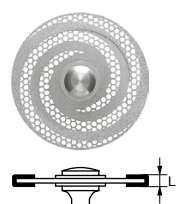
919.104.180	L=0,20 mm	⊙ _{opt.} 20000 rpm
919.104.200	L=0,20 mm	⊙ _{opt.} 15000 rpm
919.104.220	L=0,20 mm	⊙ _{opt.} 15000 rpm

Perforated diamond discs

open-meshed disc · spiral reinforced · coated on both sides
coarse diamond grit * for Plaster only

Ceramics **Plaster** **Acrylics**

→ ultra-fine separating and contouring without transitions

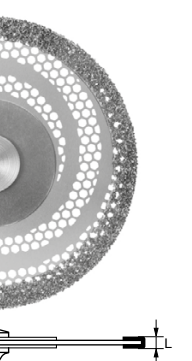


6924.104.180	L=0,22 mm	⊙ _{opt.} 20000 rpm
6924.104.300 *	L=0,32 mm	⊙ _{opt.} 10000 rpm
6924.104.400 *	L=0,32 mm	⊙ _{opt.} 10000 rpm

spiral reinforced diamond disc with flange to ensure great stability
extra-coarse diamond grit

Investment compounds/Plaster

→ cutting muffles for deflasking ceramic objects
→ also suited for cutting plaster



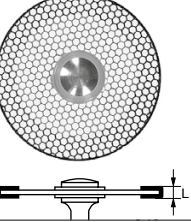
924XC.104.400	L=1,10 mm	⊙ _{opt.} 10000 rpm
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Ceramics **Plaster** **Acrylics** **Metal**

flexible open-meshed disc · coated on both sides

Ceramics **Acrylics**

→ ultra-fine separating and contouring without transitions

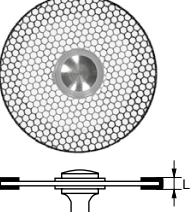


934.104.100/140	L=0,18 mm	⊙ _{opt.} 25000 rpm
934.104.180	L=0,18 mm	⊙ _{opt.} 20000 rpm
934.104.220	L=0,18 mm	⊙ _{opt.} 15000 rpm

extremely flexible open meshed disc · coated on both sides
coarse diamond grit

Ceramics **Acrylics**

→ smooth separating and contouring without transitions

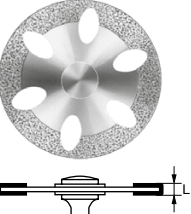


6934.104.180	L=0,22 mm	⊙ _{opt.} 20000 rpm
6934.104.220	L=0,22 mm	⊙ _{opt.} 15000 rpm

hyperflexible · coated on both sides

Ceramics **Acrylics**

→ separating and contouring

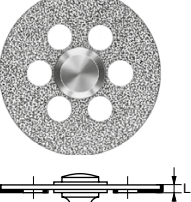


911HP.104.220	L=0,15 mm	⊙ _{opt.} 15000 rpm
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reduced flexibility · coated on the lower side

Ceramics

→ initial separating and contouring

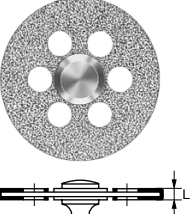


919P.104.220	L=0,20 mm	⊙ _{opt.} 15000 rpm
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reduced flexibility · coated on both sides

Ceramics

→ rough grinding and separating
→ contouring

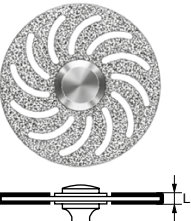


918PB.104.180	L=0,30 mm	⊙ _{opt.} 20000 rpm
918PB.104.220	L=0,30 mm	⊙ _{opt.} 15000 rpm

extremely flexible · coated on both sides · ultra-fine diamond grit

Ceramics

→ fine separating and contouring (clockwise rotation only)

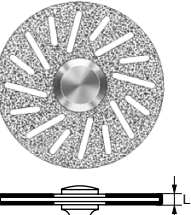


983.104.220	L=0,10 mm	⊙ _{opt.} 15000 rpm
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flexible · coated on both sides

Ceramics

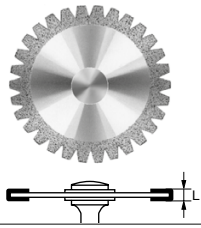
→ rough separating and contouring (clockwise rotation only)



982.104.220	L=0,25 mm	⊙ _{opt.} 15000 rpm
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⊙_{opt.} = optimal speed

Serrated diamond discs



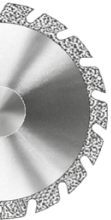
flexible · coated on both sides · extra-fine diamond grit

■ Acrylics

→ separating and contouring

946.104.180 L=0,20mm 20 000 rpm

946.104.220 L=0,20mm 15 000 rpm

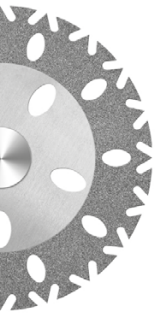


coated on both sides · fine diamond grit

■ Plaster

→ for cutting the individual teeth in stone models
→ max. cutting depth 11.5 mm (clockwise rotation only)

8964.104.300 L=0,30mm 10 000 rpm



coated on both sides

■ Plaster

→ for cutting segments on models made of plaster or acrylics
→ can be used in both clockwise and anticlockwise rotation

987P.104.400 L=0,33mm 15 000 rpm

987P.104.480 L=0,33mm 15 000 rpm

Other diamond discs/wheels



DSB-abrasive (sintered) · coarse diamond grit

■ Metal

→ grinding of cast model frames



7818.104.080 L=0,50mm 20 000 rpm



DSB-abrasive (sintered) · *coarse diamond grit

■ Metal

→ grinding of cast model frames



7941.104.200 L=0,40mm 15 000 rpm

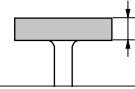
76941.104.200* L=0,40mm 15 000 rpm



Diamond wheel · rounded edge

■ Ceramics

→ grinding of ceramics



902.104.130 L=3,50mm 15 000 rpm

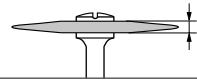


Diamond disc with resin bond

■ Ceramics

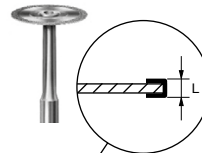
■ Metal

→ for separating and trimming pressed and cast ceramics and metal alloys



K6974.104.220 L=1,50mm 10 000 rpm

Miniflex diamond discs



Miniflex · coated on both sides

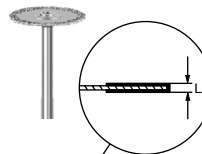
■ Ceramics

→ fine separating

943.104.065 L=0,15mm 25 000 rpm

943.104.080 L=0,15mm 25 000 rpm

943.104.100 L=0,15mm 25 000 rpm



Miniflex · coated on both sides

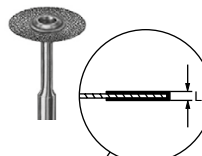
■ Ceramics

→ separating
→ separating zirconium casting sprues, with water cooling

ZR943.314.065 L=0,30mm 160 000 rpm

ZR943.314.080 L=0,30mm 160 000 rpm

ZR943.314.100 L=0,30mm 160 000 rpm



Miniflex · coated on both sides

■ Ceramics

→ fine separating

945B.104.100 L=0,15mm 25 000 rpm

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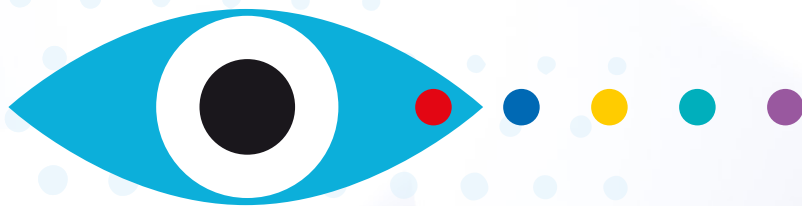
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