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NexxZr® Tool D

Nanocrystalline
diamond coating.
Long-term milling.

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Long term milling.

NexxZr[®] Tool D



NexxZr[®] Tool D are high-performance dental milling tools made of premium carbide with an ultra-hard, nanocrystalline diamond coating for an extremely long service life.

The special microgeometry of the cutting edges is excellently adjusted to milling zirconium oxide and permits detailed milling results with a high surface quality. The optimized chip space design as well as the improved chip space surfaces ensure the best possible evacuation of the chips, which additionally reduces the chipping risk of zirconium oxide.

Technical data



Type
Double edge
radius cutter



Material
Premium
carbide



Coating
Nanocrystalline
diamond coating



Suitable for
Zirconium oxide



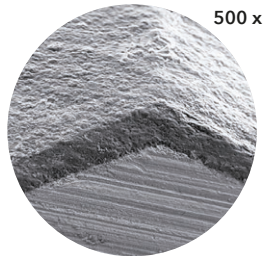
Service life
Over 400 ZrO₂
units*



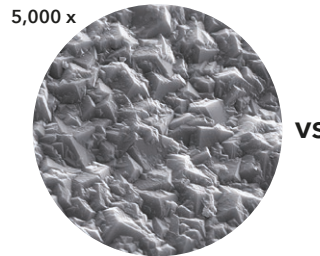
Highlights

* Internal Sagemax test results

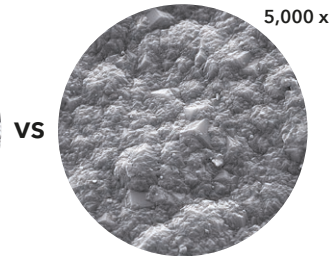
1 Premium carbide milling tool with an ultra-hard, nanocrystalline diamond coating Extremely long service life and high process reliability



SEM cross-section image of the uniform, approx. 5 µm thin diamond coating

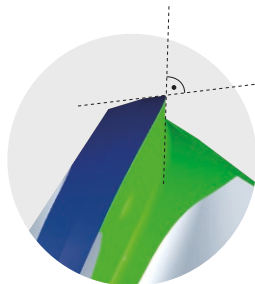


NexxZr Tool D milling cutter
Uniform appearance of sharp-edged diamond crystals



Conventional milling cutter
Irregular occurrence of sharp-edged diamond crystals

2 Special microgeometry of the cutting edges Detailed milling results with a high surface quality



CAD representation of the cutting edge microgeometry



Outstanding surface quality

3 Optimized chip space design and improved chip space surfaces Reduced chipping



CAD representation of the chip space design



Excellent edge quality

Delivery forms

for imes-icore



for vhf



for AmannGirrbach



for Roland



for Zenotec



for Zirkozahn



Other top products



NexxZr Tool U

High-performance dental milling tools made of premium carbide with an ultra-sharp cutting edge



NexxZr+ Multi

A multilayer zirconium oxide with natural esthetic



NexxZr T

A zirconium oxide with medium translucency and high flexural strength for a variety of indications and processing options



NexxZr T Coloring Liquids

Water-based infiltration liquids for the individual coloring of NexxZr T zirconia

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