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Dentafräser_130910_D_V12

DATRON Dental Tools

Solid-carbide cutters for all
Dental-CAM Milling Machines
and Materials



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DATRON

A Strong Team – for your Competitive Advantage

The basis of our success

With more than 120 dedicated and motivated employees, we've earned over 10,000 tooling customers worldwide. As one of the largest providers of tooling for a wide range of applications, we also offer custom-designed tools optimized for our customers' specific situational needs. From initial consultation and conception through the deliverable end product DATRON is your partner.

Success through solid experience

For 20 years, DATRON has been developing and supplying the industry's highest quality and most cutting-edge carbide tools. As a manufacturer of high-quality CNC milling and engraving machines, we always view the cutting technology as paramount importance. With thousands of machines installed, the feedback that we get from our customers is strongly considered during the development of tooling for specific applications. Our tools are always geometrically optimized for high-speed machining and are produced to exacting specifications and the highest quality.

Exceptional quality that helps you exceed your goals

Our Experience and Know-how – Your Advantage and Benefit

Through our use of high-quality, micro-grain tungsten carbide, you are assured exceptionally long tool life with DATRON tools. Our advanced coatings maximize performance and extend tool life ... even further. The manufacturing of these tools on the most modern, fully automatic grinding machines yields continuously high quality and a very good price-to-performance ratio. Constant quality control and the testing of our

machining centers – even pushing them beyond normal machining parameters and conditions – ensures the unsurpassed quality and efficiency of DATRON tools.

DATRON Dental Cutters

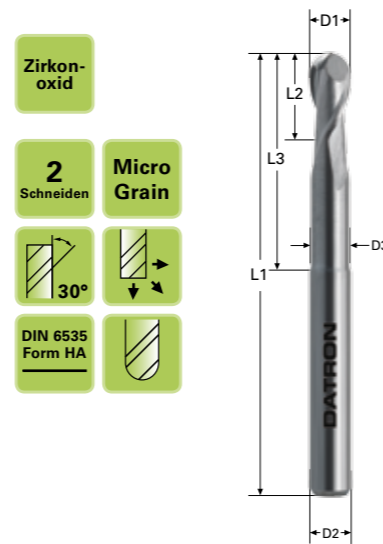
- For all dental milling machines (B. Wieland, imes-icore, Lava, Wissner, etc.)
- For all current dental materials
- Over 1,200 standard cutters
- Special, custom end mills available
- Maximum performance and tool life



Zirconium Cutters – for High-performance Ceramics

For the milling of unfired high-performance ceramics such as zirconium oxide and aluminum oxide.

DATRON Dental-nose end mills have a special cut geometry that ensures maximum surface quality. With a highly abrasion-resistant diamond coating (Optional) these tools are particularly efficient and durable even when milling highly abrasive materials such as ceramics.



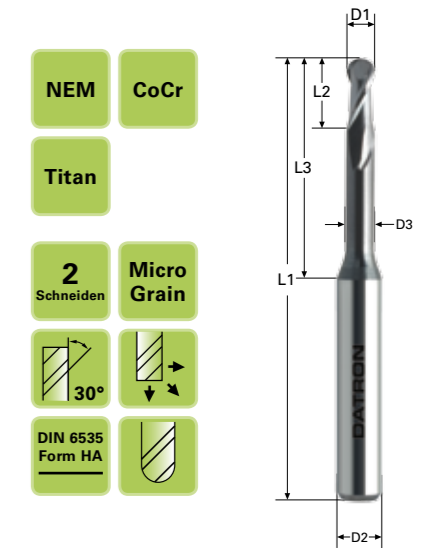
D1 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	R (mm)	DC	€	QD	Art.-Nr.
1.0	3.0	0.95	48.0	4.0	14.0	0.5		24,90	2	00782110
2.5	3.0	2.4	48.0	6.0	20.0	1.25		23,90	2	00782125
1.0	3.0	0.95	48.0	4.0	14.0	0.5	x	38,00	2	00782210
1.5	3.0	1.45	48.0	4.0	14.0	0.75	x	38,00	2	00782215
2.0	3.0	1.95	48.0	4.5	20.0	1.0	x	38,00	2	00782220
2.5	3.0	2.4	48.0	4.5	20.0	1.25	x	38,00	2	00782225
1.0	6.0	0.95	50.0	4.0	14.0	0.5		31,90	2	00782710
2.5	6.0	2.4	50.0	6.0	20.0	1.25		30,90	2	00782725
1.0	6.0	0.95	50.0	4.0	14.0	0.5	x	49,90	2	00782810
1.5	6.0	1.45	50.0	4.0	14.0	0.75	x	49,90	2	00782815
2.0	6.0	1.95	50.0	4.5	20.0	1.0	x	49,90	2	00782820
2.5	6.0	2.4	50.0	4.5	20.0	1.25	x	48,90	2	00782825

QD = Quantity Discount DC = Diamond Coating

Chrome-Cobalt/Titanium Cutters – For Machining Hard Materials

For the milling of CoCr Blanks, pure Titanium and Titanium Alloys.

The cutting geometry of this tool is designed for the rigors of milling rugged materials like titanium. The standard XTH coating reduces friction and force at the cutting edge and maximizes tool life.



D1 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	R (mm)	SC	€	QD	Art.-Nr.
0.8	3.0	0.75	38.0	3.5	8.0	0.4	x	29,90	2	00782308
1.0	3.0	0.95	38.0	3.0	8.0	0.5	x	29,90	2	00782310
2.0	3.0	1.9	38.0	3.5	12.0	1.0	x	28,90	2	00782320
3.0	3.0	2.8	38.0	5.5	15.0	1.5	x	28,90	2	00782330
0.8	6.0	0.75	50.0	3.5	8.0	0.4	x	34,90	2	00782608
1.0	6.0	0.95	50.0	3.0	8.0	0.5	x	34,90	2	00782610
2.0	6.0	1.9	50.0	3.5	12.0	1.0	x	31,90	2	00782620
3.0	6.0	2.8	50.0	5.5	15.0	1.5	x	31,90	2	00782630
1.0	6.0	0.95	50.0	3.0	12.0	0.5	x	39,90	2	00783610
2.0	6.0	1.9	50.0	3.5	16.0	1.0	x	39,90	2	00783620
3.0	6.0	2.8	50.0	5.5	22.0	1.5	x	39,90	2	00783630

QD = Quantity Discount SC = XTH - Specialty Coating

PMMA/Wax/Nano-composite Cutters – for Soft and Composite Materials

1 For milling acrylic polymer and wax blanks.

The polished blades and geometry of this tool allows for burr-free, clean milling with soft materials such as PMMA and wax.

2 For milling GRP – glass-reinforced plastics.

An optimized cross-section geometry combined with the XTS coating yields an exceptional tool life even when milling GRP and abrasive composites.

Nano-Composite
PMMA

Wachs

2
Schneiden
Micro Grain

30°

DIN 6535
Form HA



D1 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	R (mm)	€	QD	Art.-Nr.
1.0	3.0	0.95	43.0	4.0	14.0	0.5	24,90	2	00782410
2.5	3.0	2.4	43.0	6.0	20.0	1.25	23,90	2	00782425
1.0	6.0	0.95	50.0	4.0	14.0	0.5	31,90	2	00782910
2.5	6.0	2.4	50.0	4.5	20.0	1.25	30,90	2	00782925

D1 (mm)	D2 (mm)	D3 (mm)	L1 (mm)	L2 (mm)	L3 (mm)	R (mm)	SC	€	QD	Art.-Nr.
1.0	3.0	0.95	43.0	4.0	14.0	0.5	x	29,90	2	00782510
2.5	3.0	2.4	43.0	6.0	20.0	1.25	x	28,90	2	00782525
1.0	6.0	0.95	50.0	4.0	14.0	0.5	x	34,90	2	00783010
2.5	6.0	2.4	50.0	4.5	20.0	1.25	x	31,90	2	00783025

QD = Quantity Discount SC = XTS - Specialty Coating

Tool Clamping Systems – Accessories for Maximum Productivity

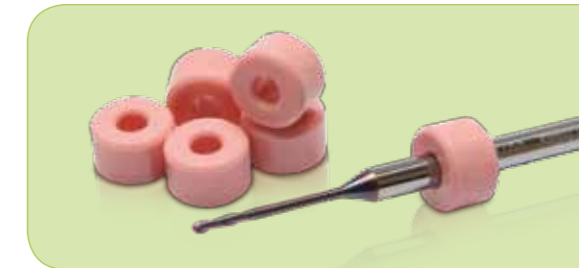
DATRON HSK-E Collet

Developed by DATRON and Schunk, HSK-E collets are rigid and have a run-out accuracy of 3 microns. These collets provide the highest precision in machining.



DATRON Stop Rings

These stop rings are used to seat the tool shaft in the tool change station.



DATRON Custom Tools

DATRON custom tools solve your unique machining challenges! These custom tools are produced according to your drawings and/or your specifications.

