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SPECIAL SELECTION

TEAM CUTTING TOOLS

CUTTING SOLUTIONS BY CERATIZIT · KOMET · WNT · KLENK

CERATIZIT is a high-technology engineering group specialised in cutting tools and hard material solutions.

Tooling the Future

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LiveTechPro

We don’t have to be there to be there

In these times of local and national lockdowns due to Covid 19, the manufacturing sector has continued to support the economy by continuing to work in safe and managed environments. However, in these times, the requirement for technical support to maximise cutting tool performance remains a priority. With travel restrictions and lockdowns this could prove difficult to deliver, but with our new LiveTechPro app we are providing the platform for our technical sales and applications engineers to have their eyes and ears there with you when you need them.

Instant Technical Support with LiveTechPro

The technology involved with LiveTechPro will enable detailed discussions to take place as if an engineer was on-site, specific issues or elements of a component can be highlighted on screen, downloaded if necessary, for detailed discussion with responses and solutions being provided there and then in terms of technical advice.

- ▲ immediate and competent visual support to deliver technical assistance in case of machining issues or simply to help optimise processes
- ▲ features a live, bidirectional video and audio connection between the customer’s machine operator/production engineer and our technical support team
- ▲ ensures a reliable service that can be activated within seconds to ensure production continues to run smoothly
- ▲ saves additional time and costs and even makes an effective contribution towards your CO2 footprint and sustainability

Our eyes and ears in your machine

The LiveTechPro system allows for multiple levels of operation via smartphone or tablet, with conventional video being the starting point. However, it is also compatible with virtual reality technology to take support to the next level, with virtual hands-on support. “It is the next best thing to actually standing next to a machine, it will be our eyes and ears during these times of lockdown and reduced personal interaction as and when we cannot physically make a visit, as the interface between customer and Ceratizit employee using LiveTechPro is seamless and provides the reassurance that our technical sales and applications engineers don’t have to be there, to be there for them.”



Vibration-damped boring bar

in a variable exchangeable head system for turning



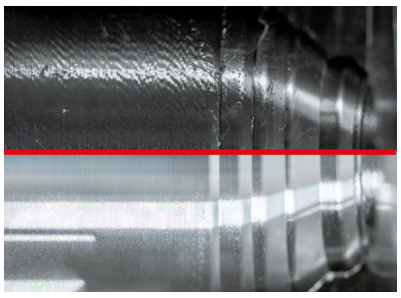
Stable processes and smooth surfaces thanks to vibration-damped boring bars

Advantage/benefit

- **The boring bar concept with exchangeable cutting heads works perfectly with the vibration-damped boring bars**
  especially for operations with long overhangs and a tendency to vibrate
- **Modular combination options**
  High variability, flexibility and versatility
- **Tool wear occurs primarily on the exchangeable cutting head, a holder therefore lasts longer**
  Costs are minimised
- **All exchangeable cutting heads are equipped with high-performance cooling**
  Highly efficient cooling of the cutting edges, resulting in a longer tool life

Result with conventional boring bar

Result with vibration-damped boring bar



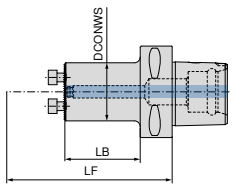
Further information on the product can be found in the UP2DATE January 2021 catalogue on page 24–32

Base holders for the exchangeable head system

Scope of supply:

Includes clamping screws

CERATIZIT \ Performance







Adapter	LF	LB	DCONWS	right / left NEW Article no.	Y8 EUR
	mm	mm	mm		
PSC 40	110	55	32	84 192 03295	271,16
PSC 40	120		40	84 192 04095	271,16
PSC 40	90	35	25	84 192 02595	271,16
PSC 50	110	55	32	84 192 03294	305,14
PSC 50	140	80	40	84 192 04094	305,14
PSC 50	90	35	25	84 192 02594	305,14
PSC 63	140	78	40	84 192 04093	332,90
PSC 63	160	68	32	84 192 13293	332,90
PSC 63	125	68	32	84 192 03293	332,90
PSC 63	180	118	40	84 192 14093	332,90
PSC 63	100	43	25	84 192 02593	332,90



Clamping Screw

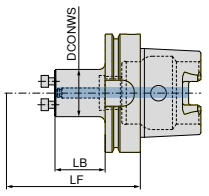
DCONWS	Article no. EUR	
25	1,78	84 950 30000
32	1,78	84 950 29900
40	1,78	84 950 29800

Base holders for the exchangeable head system

Scope of supply:

Includes clamping screws

CERATIZIT \ Performance







Adapter	LF	LB	DCONWS	right / left NEW Article no.	Y8 EUR
	mm	mm	mm		
HSK-T 100	180	111	40	84 193 04035	439,31
HSK-T 40	120		40	84 193 04039	271,16
HSK-T 40	115	60	32	84 193 03239	271,16
HSK-T 40	110	55	25	84 193 12539	271,16
HSK-T 40	90	35	25	84 193 02539	271,16
HSK-T 63	140	74	40	84 193 04037	332,90
HSK-T 63	160	99	32	84 193 13237	332,90
HSK-T 63	125	64	32	84 193 03237	332,90
HSK-T 63	180	114	40	84 193 14037	332,90
HSK-T 63	105	35	25	84 193 02537	332,90



Clamping Screw

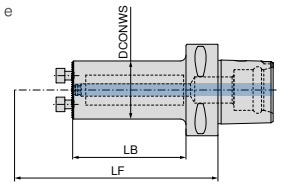
DCONWS	Article no. EUR	
25	1,78	84 950 30000
32	1,78	84 950 29900
40	1,78	84 950 29800

Base holders for the exchangeable head system – vibration-damped

Scope of supply:

Includes clamping screws

CERATIZIT \ Performance







right / left

Adapter	LF	LB	DCONWS	NEW Article no.	Y8 EUR
	mm	mm	mm		
PSC 63	150	93	25	84 195 02593	936,87
PSC 63	185	128	32	84 195 03293	1.035,53
PSC 63	225	163	40	84 195 04093	1.134,74



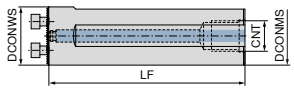
Clamping Screw

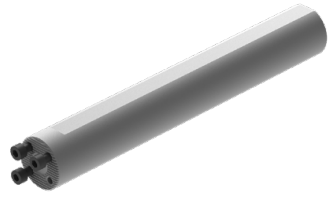
Spare parts DCONWS	Article no. EUR	
25	1,78	84 950 30000
32	1,78	84 950 29900
40	1,78	84 950 29800

Base holders for the exchangeable head system – cylindrical

- ▲ Connection thread for thro' coolant
- ▲ 3 clamping flats

CERATIZIT \ Performance







DCONWS	LF	DCONMS	CNT	NEW Article no.	Y8 EUR
mm	mm	mm			
25	200	23	1/4	84 194 02599	263,00
32	218	30	3/8	84 194 03299	279,76
40	283	37	1/2	84 194 04099	341,51



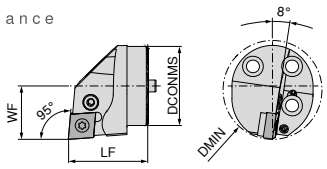
Clamping Screw

Spare parts DCONWS	Article no. EUR	
25	1,78	84 950 30000
32	1,78	84 950 29900
40	1,78	84 950 29800

Exchangeable cutting head PCLN 95°

CERATIZIT \ Performance







Illustrations show right-hand versions

DCONMS	LF	DMIN	WF	Insert	Left-hand NEW Article no.	Left-hand Y8 EUR	Right-hand NEW Article no.	Right-hand Y8 EUR
mm	mm	mm	mm					
25	35	32	17	CN.. 1204	84 159 02500	206,26	84 160 02500	206,26
32	35	40	22	CN.. 1204	84 159 03200	212,14	84 160 03200	212,14
40	40	50	27	CN.. 1204	84 159 04000	214,97	84 160 04000	214,97

Suitable indexable inserts can be found in the main catalogue, Chapter 9 – Turning tools → **Page 8-15**



Shim



Elbow lever screw



Lever



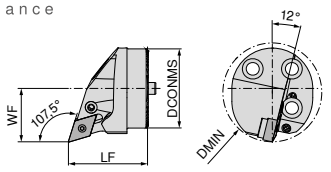
Carbide type C

Spare parts DCONMS	Shim Article no. EUR		Elbow lever screw Article no. EUR		Lever Article no. EUR		Carbide type C Article no. EUR	
25	1,20	84 950 29200	4,66	84 950 28700	13,84	84 950 29000	13,52	84 950 27800
32	1,20	84 950 29200	4,66	84 950 28700	13,84	84 950 29000	13,52	84 950 27800
40	1,20	84 950 29200	4,66	84 950 28700	13,84	84 950 29000	13,52	84 950 27800

Exchangeable cutting head PDQN 107.5°

CERATIZIT \ Performance







Illustrations show right-hand versions

DCONMS	LF	DMIN	WF	Insert	Left-hand NEW Article no.	Left-hand Y8 EUR	Right-hand NEW Article no.	Right-hand Y8 EUR
mm	mm	mm	mm					
25	35	32	17	DN.. 1104	84 163 02500	206,26	84 164 02500	206,26
32	35	40	22	DN.. 1104	84 163 03200	212,14	84 164 03200	212,14
40	40	50	27	DN.. 1104	84 163 04000	214,97	84 164 04000	214,97

Suitable indexable inserts can be found in the main catalogue, Chapter 9 – Turning tools → **Page 22-27**



Shim



Elbow lever screw



Lever



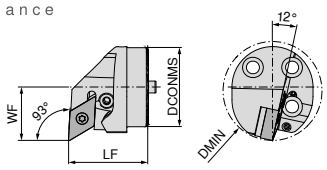
Solid Carbide Seat D

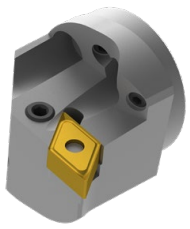
Spare parts DCONMS	Shim Article no. EUR		Elbow lever screw Article no. EUR		Lever Article no. EUR		Solid Carbide Seat D Article no. EUR	
25	1,20	84 950 29300	4,66	84 950 28800	16,12	84 950 29100	24,85	84 950 28100
32	1,20	84 950 29300	4,66	84 950 28800	16,12	84 950 29100	24,85	84 950 28100
32	1,20	84 950 29200	4,66	84 950 28700	16,12	84 950 28900	24,85	84 950 27900
40	1,20	84 950 29300	4,66	84 950 28800	16,12	84 950 29100	24,85	84 950 28100
40	1,20	84 950 29200	4,66	84 950 28700	16,12	84 950 28900	24,85	84 950 27900

Exchangeable cutting head PDUN 93°

CERATIZIT \ Performance







Illustrations show right-hand versions

DCONMS	LF	DMIN	WF	Insert	Left-hand NEW Article no.	Left-hand Y8 EUR	Right-hand NEW Article no.	Right-hand Y8 EUR
mm	mm	mm	mm					
25	35	32	17	DN.. 1104	84 161 02500	206,26	84 162 02500	206,26
32	35	40	22	DN.. 1104	84 161 03200	212,14	84 162 03200	212,14
32	35	40	22	DN.. 1506	84 161 13200	212,14	84 162 13200	212,14
40	40	50	27	DN.. 1104	84 161 04000	214,97	84 162 04000	214,97
40	40	50	27	DN.. 1506	84 161 14000	214,97	84 162 14000	214,97

Suitable indexable inserts can be found in the main catalogue, Chapter 9 – Turning tools → **Page 22-27**



Shim



Elbow lever screw



Lever

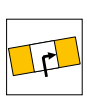


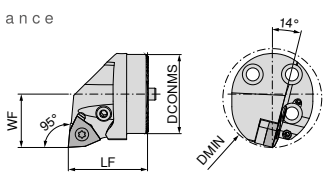
Solid Carbide Seat D

Spare parts DCONMS	Shim Article no. EUR		Elbow lever screw Article no. EUR		Lever Article no. EUR		Solid Carbide Seat D Article no. EUR	
25	1,20	84 950 29300	4,66	84 950 28800	16,12	84 950 29100	24,85	84 950 28100
32	1,20	84 950 29200	4,66	84 950 28700	16,12	84 950 28900	24,85	84 950 27900
32	1,20	84 950 29300	4,66	84 950 28800	16,12	84 950 29100	24,85	84 950 28100
40	1,20	84 950 29300	4,66	84 950 28800	16,12	84 950 29100	24,85	84 950 28100
40	1,20	84 950 29200	4,66	84 950 28700	16,12	84 950 28900	24,85	84 950 27900

Exchangeable cutting head PWLN 95°

CERATIZIT \ Performance







Illustrations show right-hand versions

DCONMS	LF	DMIN	WF	Insert	Left-hand NEW Article no.	Left-hand Y8 EUR	Right-hand NEW Article no.	Right-hand Y8 EUR
mm	mm	mm	mm					
32	35	40	22	WN.. 0804	84 165 03200	212,14	84 166 03200	212,14
40	40	50	27	WN.. 0804	84 165 04000	214,97	84 166 04000	214,97

Suitable indexable inserts can be found in the main catalogue, Chapter 9 – Turning tools → **Page 52-55**



Shim



Elbow lever screw



Lever



Solid Carbide Seat W

Spare parts DCONMS	Shim Article no. EUR		Elbow lever screw Article no. EUR		Lever Article no. EUR		Solid Carbide Seat W Article no. EUR	
32	1,20	84 950 29200	4,66	84 950 28700	16,12	84 950 28900	24,85	84 950 27700
40	1,20	84 950 29200	4,66	84 950 28700	16,12	84 950 28900	24,85	84 950 27700

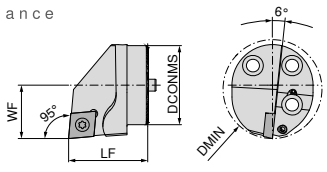
Customer Service Centre
Freephone: 1800 93 22 55

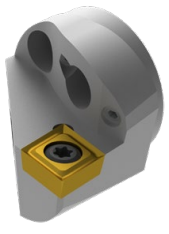
Ordering via the Online Shop
http://cuttingtools.ceratizit.com

Exchangeable cutting head SCLC 95°

CERATIZIT \ Performance







Illustrations show right-hand versions

DCONMS	LF	DMIN	WF	Insert	Left-hand NEW Article no.	Y8 EUR	Right-hand NEW Article no.	Y8 EUR
mm	mm	mm	mm					
25	35	32	17	CC.. 1204	84 147 02500	168,47	84 148 02500	168,47
32	35	40	22	CC.. 1204	84 147 03200	171,41	84 148 03200	171,41
40	40	50	27	CC.. 1204	84 147 04000	174,35	84 148 04000	174,35

Suitable indexable inserts can be found in the main catalogue, Chapter 9 – Turning tools → **Page 59-70**

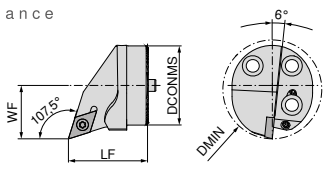

Clamping screw

Spare parts DCONMS	Article no. EUR	
25	4,96	84 950 27500
32	4,96	84 950 27500
40	4,96	84 950 27500

Exchangeable cutting head SDQC 107.5°

CERATIZIT \ Performance







Illustrations show right-hand versions

DCONMS	LF	DMIN	WF	Insert	Left-hand NEW Article no.	Y8 EUR	Right-hand NEW Article no.	Y8 EUR
mm	mm	mm	mm					
25	35	32	17	DC.. 11T3	84 145 02500	168,47	84 146 02500	168,47
32	35	40	22	DC.. 11T3	84 145 03200	171,41	84 146 03200	171,41
40	40	50	27	DC.. 11T3	84 145 04000	174,35	84 146 04000	174,35

Suitable indexable inserts can be found in the main catalogue, Chapter 9 – Turning tools → **Page 80-90**

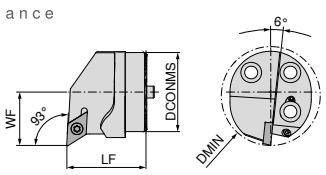

Clamping screw

DCONMS	Article no. EUR	
25	3,29	84 950 27600
32	3,29	84 950 27600
40	3,29	84 950 27600

Exchangeable cutting head SDUC 93°

CERATIZIT \ Performance







Illustrations show right-hand versions

DCONMS	LF	DMIN	WF	Insert	Left-hand NEW Article no.	Y8 EUR	Right-hand NEW Article no.	Y8 EUR
mm	mm	mm	mm					
25	35	32	17	DC.. 11T3	84 143 02500	168,47	84 144 02500	168,47
32	35	40	22	DC.. 11T3	84 143 03200	171,41	84 144 03200	171,41
40	40	50	27	DC.. 11T3	84 143 04000	174,35	84 144 04000	174,35

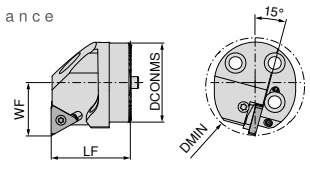
Suitable indexable inserts can be found in the main catalogue, Chapter 9 – Turning tools → **Page 80-90**

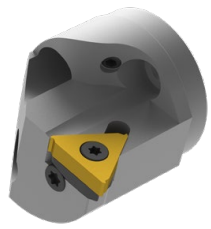

Clamping screw

Spare parts DCONMS	Article no. EUR	
25	3,29	84 950 27600
32	3,29	84 950 27600
40	3,29	84 950 27600

Exchangeable cutting head for internal thread

CERATIZIT \ Performance





Illustrations show right-hand versions

DCONMS	LF	DMIN	WF	Insert	Left-hand NEW Article no.	Y8 EUR	Right-hand NEW Article no.	Y8 EUR
mm	mm	mm	mm					
25	35	32	17	16 ..	84 167 02500	223,69	84 168 02500	223,69
32	35	40	22	16 ..	84 167 03200	233,27	84 168 03200	233,27
40	40	50	27	16 ..	84 167 04000	245,47	84 168 04000	245,47

Suitable indexable inserts can be found in the main catalogue, Chapter 8 – Thread turning tools → **Page 6-30**


Shim


Screw-U


Clamping screw

Spare parts DCONMS	Article no. EUR		Article no. EUR		Article no. EUR	
25	29,26	84 950 29600	5,90	84 950 29700	5,90	84 950 29400
25	29,26	84 950 29500	5,90	84 950 29700	5,90	84 950 29400
32	29,26	84 950 29600	5,90	84 950 29700	5,90	84 950 29400
32	29,26	84 950 29500	5,90	84 950 29700	5,90	84 950 29400
40	29,26	84 950 29500	5,90	84 950 29700	5,90	84 950 29400
40	29,26	84 950 29600	5,90	84 950 29700	5,90	84 950 29400



Free machining process and cost saving cutting tool review

call your local Technical Sales Engineer



KUB Pentron CS

Drilling to Ø 96 mm –
now anything is possible!

Cartridge solution with tried-and-tested SOGX indexable inserts

- A certain diameter range can be covered with a holder and a suitable internal cartridge
- The external cartridge must be adapted to the nominal outer diameter
- Existing SOGX indexable inserts from the standard portfolio
- Universal application, powerful, specialised

Modular System

- Process-secure, reliable
- Interchangeable
- Minimises tool costs

Basic element

- Burnished, wear-resistant KUB Pentron base holder in the accustomed high quality from KOMET

ABS interface

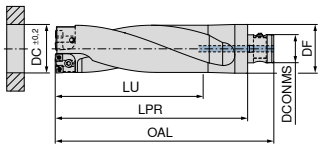
- Improved force transmission for optimum machining results
- Greater degree of accuracy and higher cutting speeds
- Higher clamping force

Further information on the product can be found in the UP2DATE September 2020 on page 30–34

cuttingtools.ceratizit.com/gb/en/kub-pentron-cs

KUB Pentron CS – basic element

Scope of supply:
Cartridge drill incl. fixing screws





≤ 3xD

KOMET \ Performance

Designation	KOMET no.	DC mm	DF mm	OAL mm	DCONMS mm	LU mm	LPR mm	SZID	Insert	NEW Article no.	2B/6# EUR
KUB-P.GH-CS.1.3D.64-66.ABS80	U60 46400	64 - 66	80	314	46	198	271	1	SOGX 100408	10 876 64092	396,00
KUB-P.GH-CS.1.3D.67-69.ABS80	U60 46700	67 - 69	80	323	46	207	280	1	SOGX 100408	10 876 67092	396,00
KUB-P.GH-CS.2.3D.70-72.ABS80	U60 47000	70 - 72	80	332	46	216	289	2	SOGX 110408	10 876 70092	396,00
KUB-P.GH-CS.2.3D.73-75.ABS80	U60 47300	73 - 75	80	341	46	225	298	2	SOGX 110408	10 876 73092	407,00
KUB-P.GH-CS.3.3D.76-78.ABS80	U60 47600	76 - 78	80	350	46	234	307	3	SOGX 120408	10 876 76092	407,00
KUB-P.GH-CS.3.3D.79-81.ABS80	U60 47900	79 - 81	80	359	46	243	316	3	SOGX 120408	10 876 79092	418,00

Designation	KOMET no.	DC mm	DF mm	OAL mm	DCONMS mm	LU mm	LPR mm	SZID	Insert	NEW Article no.	2B/6# EUR
KUB-P.GH-CS.3.3D.82-84.ABS80	U60 48200	82 - 84	80	368	46	252	325	3	SOGX 120408	10 876 82092	418,00
KUB-P.GH-CS.4.3D.85-87.ABS100	U60 58500	85 - 87	100	397	56	261	342	4	SOGX 130508	10 876 85091	429,00
KUB-P.GH-CS.4.3D.88-90.ABS100	U60 58800	88 - 90	100	406	56	270	351	4	SOGX 130508	10 876 88091	429,00
KUB-P.GH-CS.4.3D.91-93.ABS100	U60 59100	91 - 93	100	415	56	279	360	4	SOGX 130508	10 876 91091	440,00
KUB-P.GH-CS.4.3D.94-96.ABS100	U60 59400	94 - 96	100	424	56	288	369	4	SOGX 130508	10 876 94091	451,00



Clamping key - T



Fixing screw

Spare parts DC	Article no.	EUR	Article no.	EUR
64 - 66	80 397 050	3,69	10 950 16700	0,84
67 - 69	80 397 050	3,69	10 950 16700	0,84
70 - 72	80 397 050	3,69	10 950 16700	0,84
73 - 75	80 397 050	3,69	10 950 16700	0,84
76 - 78	80 397 060	3,40	10 950 16800	0,89
79 - 81	80 397 060	3,40	10 950 16800	0,89
82 - 84	80 397 060	3,40	10 950 16800	0,89
85 - 87	80 397 060	3,40	10 950 16900	0,89
88 - 90	80 397 060	3,40	10 950 16900	0,89
91 - 93	80 397 060	3,40	10 950 16900	0,89
94 - 96	80 397 060	3,40	10 950 16900	0,89

Customer Service Centre
Freephone: 1800 93 22 55

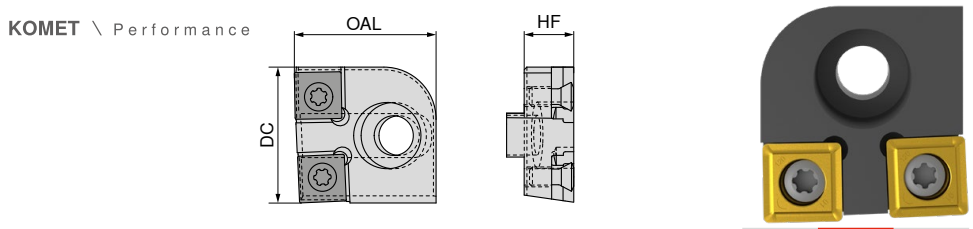
Ordering via the Online Shop
http://cuttingtools.ceratizit.com

KUB Pentron CS – external cartridge

▲ SZID = nominal size
▲ Tightening torque refers to the clamping screw of the indexable inserts

Scope of supply:

External cartridge incl. clamping screws



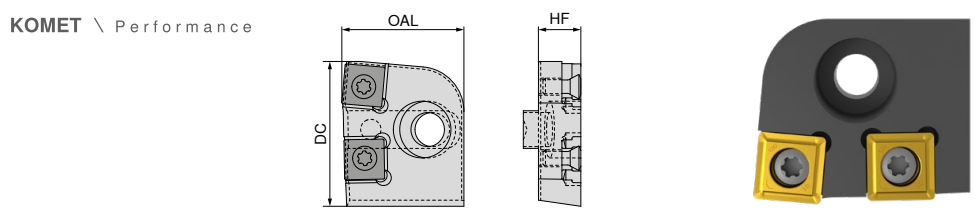
DC mm	KOMET no.	OAL mm	SZID	HF mm	torque moment Nm	Insert	NEW Article no.	2B/6# EUR
64	D60 16400	27,8	1	9	2,8	SOGX 100408	10 878 16400	99,00
65	D60 16500	27,8	1	9	2,8	SOGX 100408	10 878 16500	99,00
66	D60 16600	27,8	1	9	2,8	SOGX 100408	10 878 16600	99,00
67	D60 16700	27,8	1	9	2,8	SOGX 100408	10 878 16700	99,00
68	D60 16800	27,8	1	9	2,8	SOGX 100408	10 878 16800	99,00
69	D60 16900	27,8	1	9	2,8	SOGX 100408	10 878 16900	99,00
70	D60 17000	29,8	2	10	2,8	SOGX 110408	10 878 27000	99,00
71	D60 17100	29,8	2	10	2,8	SOGX 110408	10 878 27100	99,00
72	D60 17200	29,8	2	10	2,8	SOGX 110408	10 878 27200	99,00
73	D60 17300	29,8	2	10	2,8	SOGX 110408	10 878 27300	99,00
74	D60 17400	29,8	2	10	2,8	SOGX 110408	10 878 27400	99,00
75	D60 17500	29,8	2	10	2,8	SOGX 110408	10 878 27500	99,00
76	D60 17600	32,8	3	11	6,25	SOGX 120408	10 878 37600	99,00
77	D60 17700	32,8	3	11	6,25	SOGX 120408	10 878 37700	99,00
78	D60 17800	32,8	3	11	6,25	SOGX 120408	10 878 37800	99,00
79	D60 17900	32,8	3	11	6,25	SOGX 120408	10 878 37900	99,00
80	D60 18000	32,8	3	11	6,25	SOGX 120408	10 878 38000	99,00
81	D60 18100	32,8	3	11	6,25	SOGX 120408	10 878 38100	99,00
82	D60 18200	32,8	3	11	6,25	SOGX 120408	10 878 38200	99,00
83	D60 18300	32,8	3	11	6,25	SOGX 120408	10 878 38300	99,00
84	D60 18400	32,8	3	11	6,25	SOGX 120408	10 878 38400	99,00
85	D60 18500	35,8	4	12	6,25	SOGX 130508	10 878 48500	99,00
86	D60 18600	35,8	4	12	6,25	SOGX 130508	10 878 48600	99,00
87	D60 18700	35,8	4	12	6,25	SOGX 130508	10 878 48700	99,00
88	D60 18800	35,8	4	12	6,25	SOGX 130508	10 878 48800	99,00
89	D60 18900	35,8	4	12	6,25	SOGX 130508	10 878 48900	99,00
90	D60 19000	35,8	4	12	6,25	SOGX 130508	10 878 49000	99,00
91	D60 19100	35,8	4	12	6,25	SOGX 130508	10 878 49100	99,00
92	D60 19200	35,8	4	12	6,25	SOGX 130508	10 878 49200	99,00
93	D60 19300	35,8	4	12	6,25	SOGX 130508	10 878 49300	99,00
94	D60 19400	35,8	4	12	6,25	SOGX 130508	10 878 49400	99,00
95	D60 19500	35,8	4	12	6,25	SOGX 130508	10 878 49500	99,00
96	D60 19600	35,8	4	12	6,25	SOGX 130508	10 878 49600	99,00

KUB Pentron CS – internal cartridge

▲ SZID = nominal size
▲ Tightening torque refers to the clamping screw of the indexable inserts

Scope of supply:

Internal cartridge incl. clamping screws



DC mm	KOMET no.	OAL mm	SZID	HF mm	torque moment Nm	Insert	NEW Article no.	2B/6# EUR
64 - 69	D60 06400	28	1	9	2,8	SOGX 100408	10 877 16400	77,00
70 - 75	D60 07000	30	2	10	2,8	SOGX 110408	10 877 27000	77,00
76 - 84	D60 07600	33	3	11	6,25	SOGX 120408	10 877 37600	77,00
85 - 96	D60 08500	36	4	12	6,25	SOGX 130508	10 877 48500	77,00

Key D

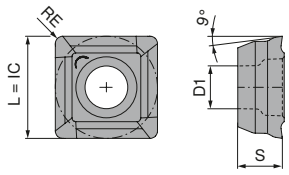

Clamping screw

Spare parts DC	Article no.	EUR	Article no.	EUR
64 - 75	80 950 128	9,54	10 950 10300	2,37
76 - 96	80 950 129	10,02	10 950 10400	2,37



SOGX

Designation	L	IC	D1	S
	mm	mm	mm	mm
SOGX 0402..	4,8	4,8	2,05	2,20
SOGX 0502..	5,5	5,5	2,30	2,40
SOGX 0602..	6,2	6,2	2,60	2,75
SOGX 07T2..	7,1	7,1	2,60	2,97
SOGX 0803..	8,0	8,0	2,85	3,40
SOGX 09T3..	8,9	8,9	3,40	3,90
SOGX 1004..	9,8	9,8	4,10	4,20
SOGX 1104..	10,9	10,9	4,10	4,50
SOGX 1204..	12,0	12,0	5,20	4,80
SOGX 1305..	13,2	13,2	5,20	5,20



SOGX

KOMET \ Performance

ISO	KOMET no.	RE	-01 BK8425		-03 BK8430		-01 BK7935		-01 BK6115		-01 BK6425		-01 BK7710	
			SOGX		SOGX		SOGX		SOGX		SOGX		SOGX	
		mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
040204	W80 10010.047935	0,4					10 820 50401	9,68						
040204	W80 10010.046115	0,4							10 820 40401	9,67				
040204	W80 10030.048430	0,4			10 820 00403	9,67								
040204	W80 10010.046425	0,4									10 820 60401	9,68		
040204	W80 10010.048425	0,4	10 820 30401	9,67										
040204	W80 10010.047710	0,4											10 820 90401	9,68
050204	W80 12010.046115	0,4							10 820 40501	9,74				
050204	W80 12010.047935	0,4					10 820 50501	9,75						
050204	W80 12030.048430	0,4			10 820 00503	9,74								
050204	W80 12010.046425	0,4									10 820 60501	9,75		
050204	W80 12010.048425	0,4	10 820 30501	9,74										
050204	W80 12010.047710	0,4											10 820 90501	9,75
060206	W80 18010.066115	0,6							10 820 40601	9,80				
060206	W80 18010.067935	0,6					10 820 50601	9,81						
060206	W80 18030.068430	0,6			10 820 00603	9,80								
060206	W80 18010.066425	0,6									10 820 60601	9,81		
060206	W80 18010.068425	0,6	10 820 30601	9,80										
060206	W80 18010.067710	0,6											10 820 90601	9,81
07T208	W80 20010.086115	0,8							10 820 40701	9,86				
07T208	W80 20010.087935	0,8					10 820 50701	9,88						
07T208	W80 20030.088430	0,8			10 820 00703	9,86								
07T208	W80 20010.086425	0,8									10 820 60701	9,88		
07T208	W80 20010.088425	0,8	10 820 30701	9,86										
07T208	W80 20010.087710	0,8											10 820 90701	9,88
080308	W80 24010.086115	0,8							10 820 40801	9,92				
080308	W80 24010.087935	0,8					10 820 50801	9,92						
080308	W80 24030.088430	0,8			10 820 00803	9,92								
080308	W80 24010.086425	0,8									10 820 60801	9,92		
080308	W80 24010.088425	0,8	10 820 30801	9,92										
080308	W80 24010.087710	0,8											10 820 90801	9,92
09T308	W80 28010.086115	0,8							10 820 40901	10,30				
09T308	W80 28010.087935	0,8					10 820 50901	10,29						
09T308	W80 28030.088430	0,8			10 820 00903	10,30								
09T308	W80 28010.086425	0,8									10 820 60901	10,29		
09T308	W80 28010.088425	0,8	10 820 30901	10,30										
09T308	W80 28010.087710	0,8											10 820 90901	10,29
100408	W80 32010.086115	0,8							10 820 41001	10,60				
100408	W80 32010.087935	0,8					10 820 51001	10,63						
100408	W80 32030.088430	0,8			10 820 01003	10,60								
100408	W80 32010.086425	0,8									10 820 61001	10,63		
100408	W80 32010.088425	0,8	10 820 31001	10,60										
100408	W80 32010.087710	0,8											10 820 91001	10,63
110408	W80 38010.086115	0,8							10 820 41101	10,92				
110408	W80 38010.087935	0,8					10 820 51101	10,92						
110408	W80 38030.088430	0,8			10 820 01103	10,92								
110408	W80 38010.086425	0,8									10 820 61101	10,92		
110408	W80 38010.088425	0,8	10 820 31101	10,92										
110408	W80 38010.087710	0,8											10 820 91101	10,92
120408	W80 42010.086115	0,8							10 820 41201	11,48				
120408	W80 42010.087935	0,8					10 820 51201	11,47						
120408	W80 42030.088430	0,8			10 820 01203	11,48								
120408	W80 42010.086425	0,8									10 820 61201	11,47		
120408	W80 42010.088425	0,8	10 820 31201	11,48										
120408	W80 42010.087710	0,8											10 820 91201	11,47
130508	W80 46010.086115	0,8							10 820 41301	13,35				
130508	W80 46010.087935	0,8					10 820 51301	13,39						
130508	W80 46030.088430	0,8			10 820 01303	13,35								
130508	W80 46010.086425	0,8									10 820 61301	13,39		
130508	W80 46010.088425	0,8	10 820 31301	13,35										
130508	W80 46010.087710	0,8											10 820 91301	13,39
Steel			●		●		●		●		●			
Stainless steel			●		●		●				●			
Cast iron			●		●		○		●		○			
Non ferrous metals							○						●	
Heat resistant alloys							●						○	



HOT DEALS

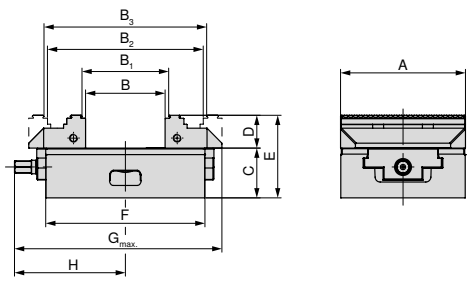
Sealed Centric vice

- ▲ with 2 reversible grip jaws
- ▲ ball bearing mounted spindle
- ▲ ±0.01 mm repeatability

ZSG 4



WNT \ Standard





AD/B
G 2,5 n_{max} 18000

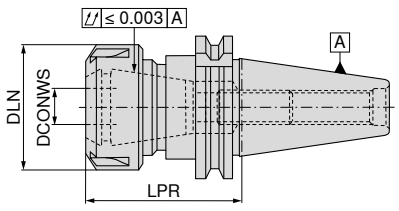
A	B	B_1	B_2	B_3	C	D	E	F	$G_{max.}$	H	Clamping force		Article no.	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg		EUR
80	0 - 59	4 - 63	59 - 117	63 - 121	50	28	78	130	157	81.0	25	4.0	80 878 080	552,00
80	0 - 123	4 - 127	59 - 181	63 - 185	50	28	78	190	206	104.0	25	5.5	80 878 08300	654,00
125	0 - 80	8 - 87	77 - 156	84 - 163	50	33	83	160	208	111.5	35	8.7	80 878 025	720,00
125	0 - 220	8 - 227	77 - 296	84 - 303	50	33	83	300	348	181.0	35	14.0	80 878 026	985,00

It is not possible to fit top jaws with a height of 40 mm, if this height is required, please use the reversible jaws with D = 40 mm (Article No. 80 878 520).

ER-Collet chuck

Scope of supply:
Holder with lock nut and adjustable back stop

WNT \ Standard





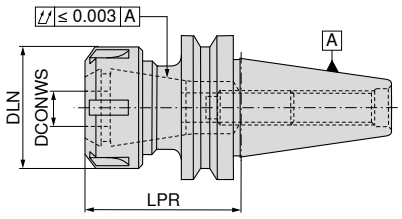
AD/B
G 2,5 n_{max} 18000

	Adapter	DCONWS	LPR	DLN	TQX	for collet	Article no.	
		mm	mm	mm				EUR
short	SK 40	1 - 10	60	32	8 - 56	426E (ER16)	82 415 110	61,77
	SK 40	1 - 16	70	42	24 - 104	430E (ER25)	82 415 116	61,77
	SK 40	2 - 20	70	50	24 - 136	470E (ER32)	82 415 120	61,77
	SK 40	3 - 26	70	63	176	472E (ER40)	82 415 126	63,57
long	SK 40	1 - 10	120	32	8 - 56	426E (ER16)	82 415 410	69,04
	SK 40	1 - 16	120	42	24 - 104	430E (ER25)	82 415 416	69,04
	SK 40	2 - 20	120	50	24 - 136	470E (ER32)	82 415 420	69,04

ER-Collet chuck

Scope of supply:
Holder with lock nut and adjustable back stop

WNT \ Standard





AD/B
G 2,5 n_{max} 18000

	Adapter	DCONWS	LPR	DLN	TQX	for collet	Article no.	
		mm	mm	mm				EUR
short	BT 40	1 - 10	60	32	56	426E (ER16)	82 509 110	61,77
	BT 40	1 - 16	70	42	104	430E (ER25)	82 509 116	61,77
	BT 40	2 - 20	70	50	136	470E (ER32)	82 509 120	61,77
	BT 40	3 - 26	70	63	176	472E (ER40)	82 509 126	63,57
long	BT 40	1 - 10	120	32	56	426E (ER16)	82 509 410	69,04
	BT 40	1 - 16	120	42	104	430E (ER25)	82 509 416	69,04
	BT 40	2 - 20	120	50	136	470E (ER32)	82 509 420	69,04

Special Offer / Buy any 4 collet chucks for £ 100

Collet Set

Scope of supply:

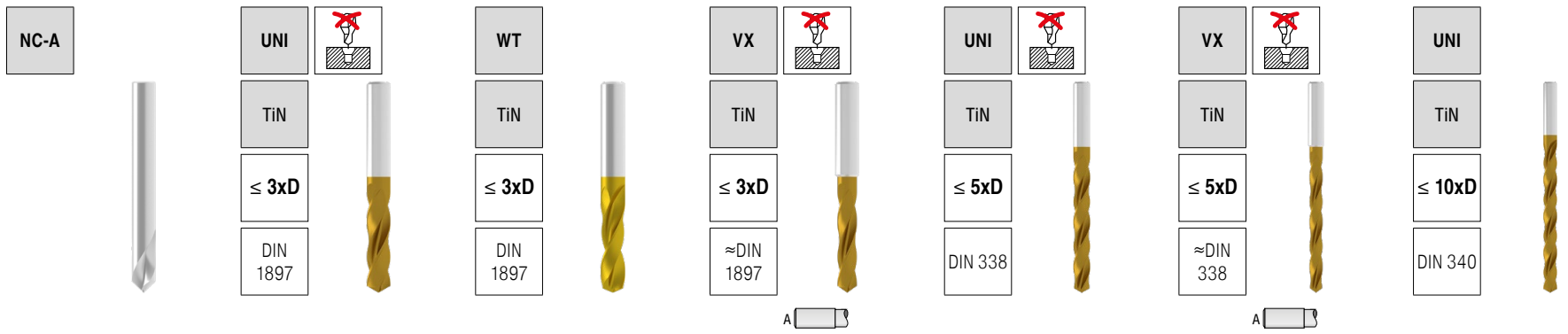
82 676 03000 DCONWS 3.0
82 676 04000 DCONWS 4.0
82 676 05000 DCONWS 5.0
82 676 06000 DCONWS 6.0
82 676 07000 DCONWS 7.0
82 676 08000 DCONWS 8.0
82 676 09000 DCONWS 9.0
82 676 10000 DCONWS 10.0
82 676 11000 DCONWS 11.0
82 676 12000 DCONWS 12.0
82 676 13000 DCONWS 13.0
82 676 14000 DCONWS 14.0
82 676 15000 DCONWS 15.0
82 676 16000 DCONWS 16.0
82 676 17000 DCONWS 17.0
82 676 18000 DCONWS 18.0
82 676 19000 DCONWS 19.0
82 676 20000 DCONWS 20.0



Set	BD	OAL	Article no.	
	mm	mm		EUR
470 E / ER32	33	40	82 676 99900	142,00

these offers are limited to 5 of each item per customer. If stock runs out due to the popularity of the deals, we will offer a back-order service at the same special price

NC spot drills, factory standard and high-performance twist drills



DC h8/h6	WNT \ Performance		WNT \ Performance		WNT \ Performance		WNT \ Performance		WNT \ Performance		WNT \ Performance		WNT \ Performance	
	Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
mm		EUR		EUR		EUR		EUR		EUR		EUR		EUR
0,90									10 171 009 1)	3,89				
1,00			10 107 010 1)	4,52	10 110 010	4,68			10 171 010 1)	3,89			10 270 010	7,04
1,10			10 107 011 1)	4,52	10 110 011	4,93			10 171 011 1)	3,89			10 270 011	7,87
1,20			10 107 012 1)	4,27	10 110 012	4,68			10 171 012 1)	4,40			10 270 012	8,78
1,25									10 171 125 1)	4,15				
1,30			10 107 013 1)	4,52	10 110 013	4,93			10 171 013 1)	4,15			10 270 013	8,65
1,40			10 107 014 1)	4,40	10 110 014	4,93			10 171 014 1)	3,89			10 270 014	8,55
1,45									10 171 145 1)	3,89				
1,50			10 107 015 1)	4,09	10 110 015	4,68			10 171 015 1)	3,63			10 270 015	7,44
1,55									10 171 155 1)	3,89				
1,60			10 107 016 1)	4,09	10 110 016	4,68			10 171 016 1)	3,89			10 270 016	8,78
1,65									10 171 165 1)	4,02				
1,70			10 107 017 1)	3,87	10 110 017	4,40			10 171 017 1)	4,02			10 270 017	9,59
1,80			10 107 018 1)	4,09	10 110 018	4,68			10 171 018 1)	3,89			10 270 018	9,15
1,90			10 107 019 1)	4,09	10 110 019	4,68			10 171 019 1)	4,02			10 270 019	9,79
2,00			10 107 020 1)	3,60	10 110 020	4,09	10 122 020	8,81	10 171 020 1)	3,60	10 124 020	11,43	10 270 020	7,26
2,10			10 107 021 1)	3,87	10 110 021	4,40	10 122 021	9,98	10 171 021 1)	4,40	10 124 021	13,07	10 270 021	8,38
2,20			10 107 022 1)	4,27	10 110 022	4,68	10 122 022	10,76	10 171 022 1)	4,40	10 124 022	13,07	10 270 022	8,55
2,30			10 107 023 1)	4,15	10 110 023	4,68	10 122 023	10,76	10 171 023 1)	4,40	10 124 023	13,07	10 270 023	8,38
2,38			10 107 238 1)	4,15					10 171 238 1)	4,40				
2,40			10 107 024 1)	4,27	10 110 024	4,93	10 122 024	11,25	10 171 024 1)	4,40	10 124 024	13,07	10 270 024	7,77
2,50			10 107 025 1)	3,87	10 110 025	4,27	10 122 025	9,83	10 171 025 1)	3,72	10 124 025	13,07	10 270 025	7,44
2,55									10 171 255 1)	4,40				
2,60			10 107 026 1)	4,27	10 110 026	4,93	10 122 026	11,25	10 171 026 1)	4,40	10 124 026	13,07	10 270 026	8,55
2,70			10 107 027 1)	4,52	10 110 027	5,20	10 122 027	11,65	10 171 027 1)	4,40	10 124 027	13,07	10 270 027	9,04
2,78			10 107 278 1)	4,52					10 171 278 1)	5,20				
2,80			10 107 028 1)	4,52	10 110 028	5,20	10 122 028	11,65	10 171 028 1)	4,40	10 124 028	13,07	10 270 028	8,65
2,90			10 107 029 1)	4,52	10 110 029	5,20	10 122 029	11,65	10 171 029 1)	4,52	10 124 029	13,07	10 270 029	9,04
3,00	10 520 030	6,95	10 107 030 1)	4,09	10 110 030	4,40	10 122 030	10,76	10 171 030 1)	3,72	10 124 030	12,43	10 270 030	8,01
3,10			10 107 031 1)	4,40	10 110 031	5,08	10 122 031	10,76	10 171 031 1)	4,52	10 124 031	14,25	10 270 031	9,59
3,17			10 107 317 1)	4,27					10 171 317 1)	4,27				
3,20			10 107 032 1)	4,15	10 110 032	4,81	10 122 032	10,76	10 171 032 1)	4,09	10 124 032	14,25	10 270 032	8,89
3,25									10 171 325 1)	4,66				
3,30			10 107 033 1)	4,52	10 110 033	5,20	10 122 033	10,76	10 171 033 1)	4,09	10 124 033	14,25	10 270 033	9,43
3,40			10 107 034 1)	4,68	10 110 034	5,20	10 122 034	10,76	10 171 034 1)	4,79	10 124 034	14,25	10 270 034	9,79
3,50			10 107 035 1)	4,52	10 110 035	4,68	10 122 035	10,22	10 171 035 1)	4,09	10 124 035	14,25	10 270 035	9,59
3,57			10 107 357 1)	4,68					10 171 357 1)	4,92				
3,60			10 107 036 1)	4,68	10 110 036	5,20	10 122 036	11,43	10 171 036 1)	4,92	10 124 036	15,85	10 270 036	9,93
3,70			10 107 037 1)	4,92	10 110 037	5,63	10 122 037	11,65	10 171 037 1)	4,92	10 124 037	15,85	10 270 037	9,66
3,80			10 107 038 1)	4,81	10 110 038	5,20	10 122 038	11,40	10 171 038 1)	5,20	10 124 038	15,85	10 270 038	9,28
3,90			10 107 039 1)	5,45	10 110 039	5,63	10 122 039	11,65	10 171 039 1)	5,45	10 124 039	15,85	10 270 039	10,41
3,97			10 107 397 1)	5,17					10 171 397 1)	5,71				
4,00	10 520 040	7,07	10 107 040 1)	4,81	10 110 040	4,81	10 122 040	9,45	10 171 040 1)	4,27	10 124 040	15,85	10 270 040	10,16
4,10			10 107 041 1)	5,08	10 110 041	5,20	10 122 041	9,45	10 171 041 1)	5,17	10 124 041	18,37	10 270 041	10,34
4,20			10 107 042 1)	4,92	10 110 042	5,20	10 122 042	9,98	10 171 042 1)	5,17	10 124 042	19,42	10 270 042	9,93
4,25									10 171 425 1)	5,46				
4,30			10 107 043 1)	5,20	10 110 043	5,87	10 122 043	10,48	10 171 043 1)	5,45	10 124 043	18,37	10 270 043	11,08
4,37			10 107 437 1)	6,95					10 171 437 1)	5,83				
4,40			10 107 044 1)	5,87	10 110 044	6,01	10 122 044	11,90	10 171 044 1)	5,46	10 124 044	18,37	10 270 044	9,79
4,50			10 107 045 1)	5,20	10 110 045	4,93	10 122 045	9,83	10 171 045 1)	5,45	10 124 045	18,37	10 270 045	10,41
4,60			10 107 046 1)	5,71	10 110 046	6,52	10 122 046	12,43	10 171 046 1)	5,83	10 124 046	20,85	10 270 046	10,03
4,65					10 110 465	6,79			10 171 465 1)	5,95	10 124 465	20,85		
4,70			10 107 047 1)	6,01	10 110 047	6,79	10 122 047	12,68	10 171 047 1)	6,01	10 124 047	20,85	10 270 047	11,62
4,76			10 107 476 1)	6,01					10 171 476 1)	5,95				
4,80			10 107 048 1)	6,08	10 110 048	6,79	10 122 048	12,68	10 171 048 1)	5,83	10 124 048	20,85	10 270 048	11,31
4,90			10 107 049 1)	6,73	10 110 049	6,79	10 122 049	12,68	10 171 049 1)	5,95	10 124 049	20,85	10 270 049	11,45
4,95									10 171 495 1)	5,95				
5,00	10 520 050	7,47	10 107 050 1)	5,32	10 110 050	5,46	10 122 050	10,76	10 171 050 1)	5,20	10 124 050	22,66	10 270 050	11,62
5,05									10 171 505 1)	5,95				
5,10			10 107 051 1)	7,12	10 110 051	6,79	10 122 051	12,43	10 171 051 1)	5,95	10 124 051	22,66	10 270 051	12,84
5,16			10 107 516 1)	9,20					10 171 516 1)	6,52				
5,20			10 107 052 1)	8,81	10 110 052	6,79	10 122 052	12,82	10 171 052 1)	6,39	10 124 052	22,66	10 270 052	12,60
5,30			10 107 053 1)	9,32	10 110 053	7,07	10 122 053	12,95	10 171 053 1)	6,39	10 124 053	25,00	10 270 053	13,86
5,40			10 107 054 1)	9,20	10 110 054	7,85	10 122 054	14,37	10 171 054 1)	6,95	10 124 054	25,00	10 270 054	15,14
5,50			10 107 055 1)	6,86	10 110 055	5,87	10 122 055	11,40	10 171 055 1)	7,12	10 124 055	22,66	10 270 055	12,07
5,55					10 110 555	7,47	10 122 555	14,37	10 171 555 1)	8,12	10 124 555	26,00		
5,56			10 107 556 1)	7,65					10 171 556 1)	8,12				
5,60			10 107 056 1)	11,25	10 110 056	7,47	10 122 056	14,37	10 171 056 1)	7,07	10 124 056	26,00	10 270 056	15,77
5,70			10 107 057 1)	11,40	10 110 057	7,47	10 122 057	14,37	10 171 057 1)	7,07	10 124 057	26,00	10 270 057	17,42
5,75									10 171 575 1)	7,07				
5,80			10 107 058 1)	12,03	10 110 058	7,47	10 122 058	14,37	10 171 058 1)	7,07	10 124 058	26,00	10 270 058	15,30
5,90			10 107 059 1)	12,19	10 110 059	7,73	10 122 059	14,37	10 171 059 1)	7,07	10 124 059	26,00	10 270 059	17,05
5,95			10 107 595 1)	13,35					10 171 595 1)	9,05				
6,00	10 520 060	7,47	10 107 060 1)	6,86	10 110 060	6,39	10 122 060	12,03	10 171 060 1)	6,95	10 124 060	24,72	10 270 060	14,50
6,10			10 107 061 1)	12,95	10 110 061	9,61	10 122 061	18,63	10 171 061 1)	7,85	10 124 061	30,54	10 270 061	17,19
6,20			10 107 062 1)	13,19	10 110 062	10,01	10 122 062	18,63	10 171 062 1)	7,85	10 124 062	30,54	10 270 062	15,42
6,30			10 107 063 1)	14,37	10 110 063	10,13	10 122 063	22,25	10 171 063 1)	7,85	10 124 063	30,54	10 270 063	17,19
6,35			10 107 635 1)	14,25					10 171 635 1)	8,39				
6,40			10 107 064 1)	14,62	10 110 064	10,46	10 122 064	19,33	10 171 064 1)	8,39	10 124 064	30,54	10 270 064	15,63
6,50			10 107 065 1)	8,03	10 110 065	7,47	10 122 065	14,12	10 171 065 1)	7,76	10 124 065	30,54	10 270 065	15,03
6,60			10 107 066 1)	15,14	10 110 066	10,46	10 122 066	22,66	10 171 066 1)	8,39	10 124 066	32,75	10 270 066	17,31
6,70			10 107 067 1)	15,41	10 110 067	10,46	10 122 067	22,66	10 171 067 1)	8,39	10 124 067	32,75	10 270 067	17,77
6,75			10 107 675 1)	11,80					10 171 675 1)	11,51				
6,80			10 107 068 1)	15,80	10 110 068	10,92	10 122 068	24,78	10 171 068 1)	9,52	10 124 068	32,75	10 270 068	19,06
6,90			10 107 069 1)	15,92	10 110 069	10,92	10 122 069	24,46	10 171 069 1)	9,52	10 124 069	32,75	10 270 069	19,76
7,00			10 107 070 1)	9,20	10 110 070	9,05	10 122 070	18,63	10 171 070 1)	8,12	10 124 070	32,75	10 270 070	17,93
7,10			10 107 071 1)	16,56	10 110 071	12,25	10 122 071	27,42	10 171 071 1)	10,80	10 124 071	34,09	10 270 071	17,31
7,14			10 107 714 1)	16,95					10 171 714 1)	16,13				

Steel	●	●	●	●	●	●	●
Stainless steel	○	●	○	●	●	●	○
Cast iron	●	●	○	●	●	●	●
Non ferrous metals	○	●	○	●	●	●	●
Heat resistant alloys		○	○	○	○	○	

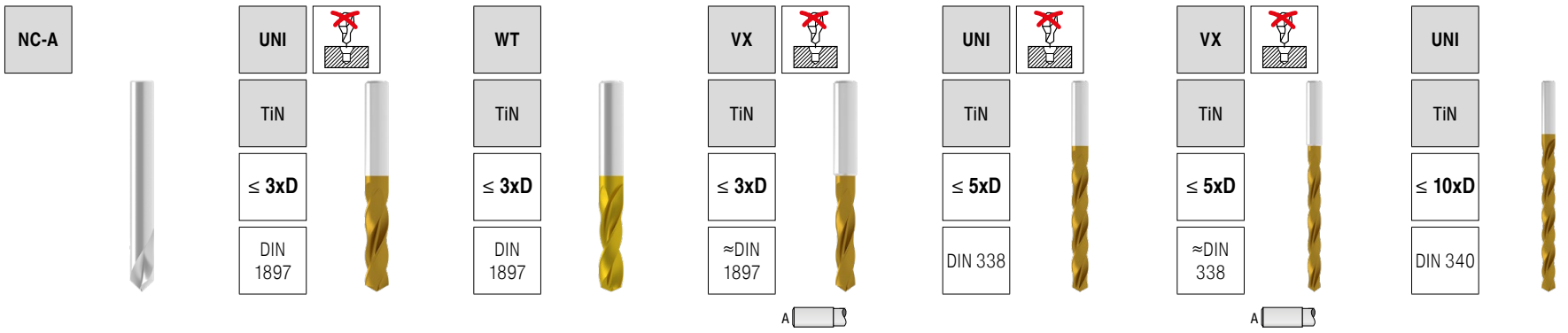
1) self-centering

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	Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
mm		EUR		EUR		EUR		EUR		EUR		EUR		EUR
7,20			10 107 072 1)	16,71	10 110 072	12,25	10 122 072	27,84	10 171 072 1)	10,80	10 124 072	34,09	10 270 072	19,83
7,30			10 107 073 1)	16,82	10 110 073	12,40	10 122 073	27,84	10 171 073 1)	10,80	10 124 073	34,09	10 270 073	20,72
7,40			10 107 074 1)	16,71	10 110 074	12,40	10 122 074	27,84	10 171 074 1)	10,80	10 124 074	34,09	10 270 074	21,47
7,45							10 122 745	27,84	10 171 745 1)	8,68				
7,50			10 107 075 1)	10,48	10 110 075	9,46	10 122 075	19,67	10 171 075 1)	8,68	10 124 075	34,09	10 270 075	21,85
7,55											10 124 755	34,03		
7,60			10 107 076 1)	15,65	10 110 076	13,45	10 122 076	28,26	10 171 076 1)	12,68	10 124 076	34,03	10 270 076	23,45
7,70			10 107 077 1)	19,42	10 110 077	13,45	10 122 077	30,40	10 171 077 1)	13,06	10 124 077	34,03	10 270 077	22,15
7,80			10 107 078 1)	18,77	10 110 078	13,45	10 122 078	30,40	10 171 078 1)	12,68	10 124 078	34,03	10 270 078	24,41
7,90			10 107 079 1)	20,57	10 110 079	13,45	10 122 079	30,40	10 171 079 1)	13,06	10 124 079	34,03	10 270 079	23,53
7,94			10 107 794 1)	10,60					10 171 794 1)	12,68				
8,00	10 520 080	12,77	10 107 080 1)	10,13	10 110 080	9,75	10 122 080	20,19	10 171 080 1)	10,53	10 124 080	34,03	10 270 080	19,98
8,10			10 107 081 1)	21,10	10 110 081	13,45	10 122 081	34,51	10 171 081 1)	12,68	10 124 081	38,12	10 270 081	22,02
8,20			10 107 082 1)	22,01	10 110 082	13,45	10 122 082	34,51	10 171 082 1)	13,57	10 124 082	38,12	10 270 082	24,02
8,30			10 107 083 1)	23,66	10 110 083	14,14	10 122 083	34,51	10 171 083 1)	13,57	10 124 083	38,12	10 270 083	25,47
8,40			10 107 084 1)	24,32	10 110 084	14,14	10 122 084	34,51	10 171 084 1)	14,25	10 124 084	38,12	10 270 084	27,37
8,50			10 107 085 1)	12,03	10 110 085	11,70	10 122 085	22,90	10 171 085 1)	10,40	10 124 085	38,43	10 270 085	23,45
8,60			10 107 086 1)	14,47	10 110 086	14,54	10 122 086	35,86	10 171 086 1)	23,24	10 124 086	35,46	10 270 086	23,29
8,70			10 107 087 1)	16,64	10 110 087	14,54	10 122 087	35,86	10 171 087 1)	23,24	10 124 087	35,46	10 270 087	23,53
8,73			10 107 873 1)	19,06					10 171 873 1)	15,27				
8,80			10 107 088 1)	15,65	10 110 088	14,54	10 122 088	35,86	10 171 088 1)	16,18	10 124 088	35,46	10 270 088	23,90
8,90			10 107 089 1)	20,58	10 110 089	14,94	10 122 089	35,86	10 171 089 1)	19,98	10 124 089	35,46	10 270 089	24,30
9,00			10 107 090 1)	12,68	10 110 090	11,88	10 122 090	24,98	10 171 090 1)	13,07	10 124 090	35,46	10 270 090	24,64
9,10			10 107 091 1)	17,35	10 110 091	19,03	10 122 091	44,97	10 171 091 1)	21,73	10 124 091	38,12	10 270 091	24,64
9,20			10 107 092 1)	17,47	10 110 092	19,03	10 122 092	44,97	10 171 092 1)	22,29	10 124 092	38,12	10 270 092	24,64
9,30			10 107 093 1)	30,79	10 110 093	19,03	10 122 093	44,97	10 171 093 1)	19,79	10 124 093	38,12	10 270 093	24,64
9,35							10 122 935	44,97	10 171 935 1)	15,41				
9,40			10 107 094 1)	20,25	10 110 094	19,03	10 122 094	44,97	10 171 094 1)	24,46	10 124 094	38,12	10 270 094	24,64
9,50			10 107 095 1)	13,57	10 110 095	15,47	10 122 095	31,23	10 171 095 1)	15,41	10 124 095	38,12	10 270 095	24,64
9,55											10 124 955	41,58		
9,60			10 107 096 1)	21,18	10 110 096	19,33	10 122 096	33,69	10 171 096 1)	22,12	10 124 096	41,58	10 270 096	26,09
9,70			10 107 097 1)	20,58	10 110 097	19,33	10 122 097	33,69	10 171 097 1)	25,98	10 124 097	41,58	10 270 097	27,37
9,80			10 107 098 1)	31,70	10 110 098	20,67	10 122 098	33,69	10 171 098 1)	22,12	10 124 098	41,58	10 270 098	29,24
9,90			10 107 099 1)	21,99	10 110 099	20,67	10 122 099	33,69	10 171 099 1)	20,36	10 124 099	41,58	10 270 099	31,77
10,00	10 520 100	13,35	10 107 100 1)	15,80	10 110 100	14,54	10 122 100	30,02	10 171 100 1)	15,49	10 124 100	41,58	10 270 100	34,35
10,10			10 107 101 1)	21,18			10 122 101	46,51	10 171 101 1)	20,00	10 124 101	52,70	10 270 101	37,52
10,20			10 107 102 1)	25,09	10 110 102	20,53	10 122 102	44,43	10 171 102 1)	20,96	10 124 102	52,70	10 270 102	40,08
10,30			10 107 103 1)	19,67			10 122 103	45,22	10 171 103 1)	17,47	10 124 103	52,70	10 270 103	43,24
10,40			10 107 104 1)	23,03			10 122 104	48,13	10 171 104 1)	21,63	10 124 104	52,70	10 270 104	43,24
10,50			10 107 105 1)	27,18	10 110 105	19,56	10 122 105	43,18	10 171 105 1)	21,74	10 124 105	52,70	10 270 105	43,90
10,55									10 171 955 1)	23,83				
10,60							10 122 106	51,70			10 124 106	57,88		
10,70							10 122 107	47,19			10 124 107	57,88		
10,80					10 110 108	43,62	10 122 108	45,35			10 124 108	57,88		
10,90							10 122 109	66,64			10 124 109	57,88		
11,00			10 107 110 1)	28,97	10 110 110	19,56	10 122 110	43,18	10 171 110 1)	23,83	10 124 110	48,79	10 270 110	52,11
11,10							10 122 111	42,23			10 124 111	52,24		
11,11			10 107 111 1)	34,16					10 171 111 1)	45,94				
11,20									10 171 112 1)	45,94	10 124 112	52,24		
11,30									10 171 113 1)	46,18	10 124 113	52,24		
11,40									10 171 114 1)	46,18	10 124 114	52,24		
11,50			10 107 115 1)	32,88	10 110 115	20,39	10 122 115	44,97	10 171 115 1)	30,40	10 124 115	52,24	10 270 115	52,79
11,60									10 171 116 1)	52,91	10 124 116	57,60		
11,70							10 122 117	50,55			10 124 117	57,60		
11,80					10 110 118	24,46	10 122 118	52,78			10 124 118	57,60		
11,90							10 122 119	66,74			10 124 119	57,60		
12,00	10 520 120	20,53	10 107 120 1)	38,68	10 110 120	23,33	10 122 120	51,63	10 171 120 1)	33,90	10 124 120	57,60	10 270 120	53,39
12,10							10 122 121	37,61			10 124 121	66,17		
12,15									10 171 121 1)	34,80				
12,20							10 122 122	55,99			10 124 122	66,17		
12,30			10 107 123 1)	35,98	10 110 123	35,86	10 122 123	68,83	10 171 123 1)	35,98	10 124 123	66,17		
12,40							10 122 124	82,13			10 124 124	66,17		
12,50			10 107 125 1)	38,95	10 110 125	24,46	10 122 125	53,19	10 171 925 1)	34,80	10 124 125	66,17	10 270 125	58,50
12,60							10 122 126	107,81			10 124 126	69,69		
12,70			10 107 127 1)	29,71			10 122 127	117,99	10 171 127 1)	27,29	10 124 127	69,69		
12,80					10 110 128	45,18	10 122 128	56,01			10 124 128	69,69		
12,90							10 122 129	82,59			10 124 129	69,69		
13,00			10 107 130 1)	38,95	10 110 130	24,65	10 122 130	57,17	10 171 130 1)	37,13	10 124 130	76,87	10 270 130	63,61
13,10									10 171 131 1)	46,96				
13,30									10 171 133 1)	46,96				
13,50			10 107 135 1)	38,95	10 110 135	26,94	10 122 135	85,58	10 171 135 1)	46,96	10 124 135	99,69	10 270 135	64,86
13,80					10 110 138	29,06								
14,00			10 107 140 1)	41,39	10 110 140	28,26	10 122 140	85,58	10 171 140 1)	45,02	10 124 140	99,69	10 270 140	67,42
14,50					10 110 145	28,94	10 122 145	109,62			10 124 145	127,55		
15,00					10 110 150	29,90	10 122 150	103,24			10 124 150	119,81		
15,50					10 110 155	39,00	10 122 155	111,65			10 124 155	129,86		
15,75					10 110 157	41,17								
16,00	10 520 160	26,75			10 110 160	38,46	10 122 160	107,86			10 124 160	125,38		
16,50					10 110 165	56,63	10 122 165	167,21			10 124 165	194,37		
17,00					10 110 170	55,84	10 122 170	167,21			10 124 170	194,37		
17,50					10 110 175	52,24	10 122 175	167,21			10 124 175	194,37		
17,75					10 110 177	63,31								
18,00					10 110 180	61,12	10 122 180	167,21			10 124 180	194,37		
18,50					10 110 185	68,48	10 122 185	167,21			10 124 185	194,37		
19,00					10 110 190	67,08	10 122 190	167,21			10 124 190	194,37		
19,50					10 110 195	75,26	10 122 195	167,21			10 124 195	194,37		
19,75					10 110 197	75,28								
20,00	10 520 200	43,08			10 110 200	71,98	10 122 200	148,73			10 124 200	172,79		

Steel	●	●	●	●	●	●	●
Stainless steel	○	●	○	●	●	●	○
Cast iron	●	●	○	●	●	●	●
Non ferrous metals	○	●	○	●	●	●	●
Heat resistant alloys		○	○	○	○	○	

1) self-centering

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DC h7	WNT \ Standard		WNT \ Standard		WNT \ Standard		WNT \ Standard		WNT \ Standard		WNT \ Standard	
	Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
mm		EUR		EUR		EUR		EUR		EUR		EUR
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5,10	11 700 05100	22,13	11 701 05100	22,13	11 702 05100	29,16	11 703 05100	29,16	11 704 05100	58,01	11 705 05100	77,99
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8,60	11 700 08600	34,24	11 701 08600	34,24	11 702 08600	38,31	11 703 08600	38,31	11 704 08600	88,11	11 705 08600	121,73
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9,20	11 700 09200	34,24	11 701 09200	34,24	11 702 09200	38,31	11 703 09200	38,31	11 704 09200	88,11	11 705 09200	121,73
9,30	11 700 09300	34,24	11 701 09300	34,24	11 702 09300	38,31	11 703 09300	38,31	11 704 09300	88,11	11 705 09300	121,73
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9,70	11 700 09700	34,24	11 701 09700	34,24	11 702 09700	38,31	11 703 09700	38,31	11 704 09700	88,11	11 705 09700	121,73

Steel	●	●	●	●	●	●
Stainless steel	●	●	●	●	●	●
Cast iron	●	●	●	●	●	●
Non ferrous metals						
Heat resistant alloys						

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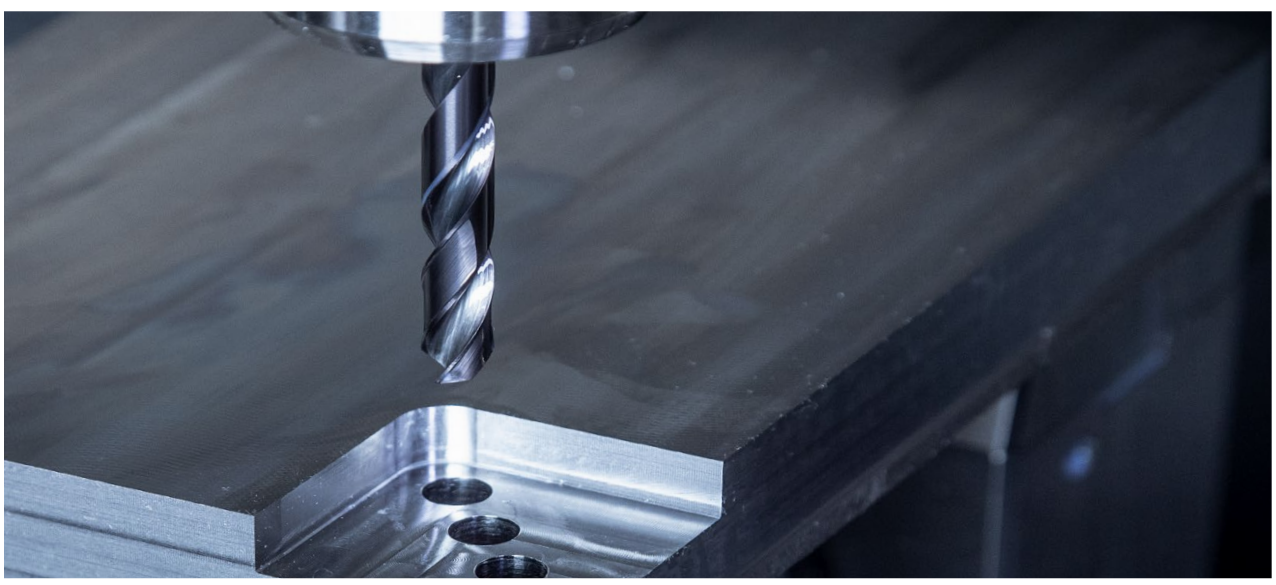




DC h7	WNT \ Standard		WNT \ Standard		WNT \ Standard		WNT \ Standard		WNT \ Standard		WNT \ Standard	
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10,30	11 700 10300	49,37	11 701 10300	49,37	11 702 10300	56,98	11 703 10300	56,98				
10,40	11 700 10400	49,37	11 701 10400	49,37	11 702 10400	56,98	11 703 10400	56,98				
10,50	11 700 10500	49,37	11 701 10500	49,37	11 702 10500	56,98	11 703 10500	56,98	11 704 10500	117,04	11 705 10500	167,71
10,60	11 700 10600	49,37	11 701 10600	49,37	11 702 10600	56,98	11 703 10600	56,98				
10,70	11 700 10700	49,37	11 701 10700	49,37	11 702 10700	56,98	11 703 10700	56,98				
10,80	11 700 10800	49,37	11 701 10800	49,37	11 702 10800	56,98	11 703 10800	56,98	11 704 10800	117,04	11 705 10800	167,71
10,90	11 700 10900	49,37	11 701 10900	49,37	11 702 10900	56,98	11 703 10900	56,98				
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11,10	11 700 11100	49,37	11 701 11100	49,37	11 702 11100	56,98	11 703 11100	56,98				
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11,60	11 700 11600	49,37	11 701 11600	49,37	11 702 11600	56,98	11 703 11600	56,98				
11,70	11 700 11700	49,37	11 701 11700	49,37	11 702 11700	56,98	11 703 11700	56,98				
11,80	11 700 11800	49,37	11 701 11800	49,37	11 702 11800	56,98	11 703 11800	56,98	11 704 11800	117,04	11 705 11800	167,71
11,90	11 700 11900	49,37	11 701 11900	49,37	11 702 11900	56,98	11 703 11900	56,98				
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12,40					11 702 12400	72,66	11 703 12400	72,66				
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12,80	11 700 12800	66,12	11 701 12800	66,12	11 702 12800	72,66	11 703 12800	72,66			11 705 12800	216,02
12,90	11 700 12900	66,12	11 701 12900	66,12								
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15,25					11 702 15250	93,21	11 703 15250	93,21				
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16,20					11 702 16200	144,21	11 703 16200	144,21				
16,30					11 702 16300	144,21	11 703 16300	144,21				
16,50	11 700 16500	129,50	11 701 16500	129,50	11 702 16500	144,21	11 703 16500	144,21	11 704 16500	297,03	11 705 16500	340,01
16,80					11 702 16800	144,21	11 703 16800	144,21				
17,00	11 700 17000	129,50	11 701 17000	129,50	11 702 17000	144,21	11 703 17000	144,21	11 704 17000	297,03	11 705 17000	340,01
17,30					11 702 17300	144,21	11 703 17300	144,21				
17,50	11 700 17500	129,50	11 701 17500	129,50	11 702 17500	144,21	11 703 17500	144,21	11 704 17500	297,03	11 705 17500	340,01
18,00	11 700 18000	129,50	11 701 18000	129,50	11 702 18000	144,21	11 703 18000	144,21	11 704 18000	297,03	11 705 18000	340,01
18,50	11 700 18500	142,79	11 701 18500	142,79	11 702 18500	156,75	11 703 18500	156,75	11 704 18500	330,73	11 705 18500	340,01
18,90	11 700 18900	142,79	11 701 18900	142,79	11 702 18900	156,75	11 703 18900	156,75				
19,00	11 700 19000	142,79	11 701 19000	142,79	11 702 19000	156,75	11 703 19000	156,75	11 704 19000	330,73	11 705 19000	340,01
19,20					11 702 19200	156,75	11 703 19200	156,75				
19,30	11 700 19300	142,79	11 701 19300	142,79	11 702 19300	156,75	11 703 19300	156,75				
19,50	11 700 19500	142,79	11 701 19500	142,79	11 702 19500	156,75	11 703 19500	156,75	11 704 19500	330,73	11 705 19500	340,01
19,70					11 702 19700	156,75	11 703 19700	156,75				
20,00	11 700 20000	142,79	11 701 20000	142,79	11 702 20000	156,75	11 703 20000	156,75	11 704 20000	330,73	11 705 20000	340,01
Steel	●		●		●		●		●		●	
Stainless steel	●		●		●		●		●		●	
Cast iron	●		●		●		●		●		●	
Non ferrous metals												
Heat resistant alloys												

Manufactured in high volume for lower cost

Through coolant only
Universal application



WPC – High Performance Drill, DIN 6537















	WNT \ Standard		WNT \ Standard		WNT \ Standard		WNT \ Standard		WNT \ Standard		WNT \ Standard		WNT \ Standard	
DC $_{m7}$	Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
mm		EUR		EUR		EUR		EUR		EUR		EUR		EUR
2,00	11 601 020	22,39							11 621 020	22,39				
2,10	11 601 021	22,39							11 621 021	22,39				
2,20	11 601 022	22,39							11 621 022	22,39				
2,30	11 601 023	22,39							11 621 023	22,39				
2,40	11 601 024	22,39							11 621 024	22,39				
2,50	11 601 025	22,39							11 621 025	22,39				
2,60	11 601 026	22,39							11 621 026	22,39				
2,70	11 601 027	22,39							11 621 027	22,39				
2,80	11 601 028	22,39							11 621 028	22,39				
2,90	11 601 029	22,39							11 621 029	22,39				
3,00	11 601 030	22,39	11 604 030	28,78	11 607 030	25,58	11 610 030	38,50	11 621 030	22,39	11 624 030	28,78	11 630 030	38,50
3,10	11 601 031	22,39	11 604 031	28,78	11 607 031	25,58	11 610 031	38,50	11 621 031	22,39	11 624 031	28,78	11 630 031	38,50
3,20	11 601 032	22,39	11 604 032	28,78	11 607 032	25,58	11 610 032	38,50	11 621 032	22,39	11 624 032	28,78	11 630 032	38,50
3,25			11 604 890	28,78			11 610 890	38,36						
3,30	11 601 033	22,39	11 604 033	28,78	11 607 033	25,58	11 610 033	38,50	11 621 033	22,39	11 624 033	28,78	11 630 033	38,50
3,40	11 601 034	22,39	11 604 034	28,78	11 607 034	25,58	11 610 034	38,50	11 621 034	22,39	11 624 034	28,78	11 630 034	38,50
3,50	11 601 035	22,39	11 604 035	28,78	11 607 035	25,58	11 610 035	38,50	11 621 035	22,39	11 624 035	28,78	11 630 035	38,50
3,60	11 601 036	22,39	11 604 036	28,78	11 607 036	25,58	11 610 036	38,50	11 621 036	22,39	11 624 036	28,78	11 630 036	38,50
3,70	11 601 037	22,39	11 604 037	28,78	11 607 037	25,58	11 610 037	38,50	11 621 037	22,39	11 624 037	28,78	11 630 037	38,50
3,80	11 601 038	22,39	11 604 038	28,78	11 607 038	25,58	11 610 038	38,50	11 621 038	22,39	11 624 038	28,78	11 630 038	38,50
3,90	11 601 039	22,39	11 604 039	28,78	11 607 039	25,58	11 610 039	38,50	11 621 039	22,39	11 624 039	28,78	11 630 039	38,50
4,00	11 601 040	22,39	11 604 040	30,37	11 607 040	25,58	11 610 040	39,96	11 621 040	22,39	11 624 040	30,37	11 630 040	39,96
4,10	11 601 041	22,39	11 604 041	30,37	11 607 041	25,58	11 610 041	39,96	11 621 041	22,39	11 624 041	30,37	11 630 041	39,96
4,20	11 601 042	22,39	11 604 042	30,37	11 607 042	25,58	11 610 042	39,96	11 621 042	22,39	11 624 042	30,37	11 630 042	39,96
4,30	11 601 043	22,39	11 604 043	30,37	11 607 043	25,58	11 610 043	39,96	11 621 043	22,39	11 624 043	30,37	11 630 043	39,96
4,40	11 601 044	22,39	11 604 044	30,37	11 607 044	25,58	11 610 044	39,96	11 621 044	22,39	11 624 044	30,37	11 630 044	39,96
4,50	11 601 045	22,39	11 604 045	30,37	11 607 045	25,58	11 610 045	39,96	11 621 045	22,39	11 624 045	30,37	11 630 045	39,96
4,60	11 601 046	22,39	11 604 046	30,37	11 607 046	25,58	11 610 046	39,96	11 621 046	22,39	11 624 046	30,37	11 630 046	39,96
4,65	11 601 900	22,39	11 604 900	30,37	11 607 900	25,58	11 610 900	39,96	11 621 900	22,39	11 624 900	30,37	11 630 900	39,96
4,70	11 601 047	22,39	11 604 047	30,37	11 607 047	25,58	11 610 047	39,96	11 621 047	22,39	11 624 047	30,37	11 630 047	39,96
4,80	11 601 048	22,39	11 604 048	30,37	11 607 048	25,58	11 610 048	39,96	11 621 048	22,39	11 624 048	30,37	11 630 048	39,96
4,90	11 601 049	22,39	11 604 049	30,37	11 607 049	25,58	11 610 049	39,96	11 621 049	22,39	11 624 049	30,37	11 630 049	39,96
5,00	11 601 050	22,39	11 604 050	30,37	11 607 050	25,58	11 610 050	39,96	11 621 050	22,39	11 624 050	30,37	11 630 050	39,96
5,10	11 601 051	22,39	11 604 051	30,37	11 607 051	25,58	11 610 051	39,96	11 621 051	22,39	11 624 051	30,37	11 630 051	39,96
5,20	11 601 052	22,39	11 604 052	30,37	11 607 052	25,58	11 610 052	39,96	11 621 052	22,39	11 624 052	30,37	11 630 052	39,96
5,30	11 601 053	22,39	11 604 053	30,37	11 607 053	25,58	11 610 053	39,96	11 621 053	22,39	11 624 053	30,37	11 630 053	39,96
5,40	11 601 054	22,39	11 604 054	30,37	11 607 054	25,58	11 610 054	39,96	11 621 054	22,39	11 624 054	30,37	11 630 054	39,96
5,50	11 601 055	22,39	11 604 055	30,37	11 607 055	25,58	11 610 055	39,96	11 621 055	22,39	11 624 055	30,37	11 630 055	39,96
5,55	11 601 902	22,39	11 604 902	30,37	11 607 902	25,58	11 610 902	39,96	11 621 902	22,39	11 624 902	30,37	11 630 902	39,96
5,60	11 601 056	22,39	11 604 056	30,37	11 607 056	25,58	11 610 056	39,96	11 621 056	22,39	11 624 056	30,37	11 630 056	39,96
5,70	11 601 057	22,39	11 604 057	30,37	11 607 057	25,58	11 610 057	39,96	11 621 057	22,39	11 624 057	30,37	11 630 057	39,96
5,80	11 601 058	22,39	11 604 058	30,37	11 607 058	25,58	11 610 058	39,96	11 621 058	22,39	11 624 058	30,37	11 630 058	39,96
5,90	11 601 059	22,39	11 604 059	30,37	11 607 059	25,58	11 610 059	39,96	11 621 059	22,39	11 624 059	30,37	11 630 059	39,96
6,00	11 601 060	22,39	11 604 060	30,37	11 607 060	25,58	11 610 060	39,96	11 621 060	22,39	11 624 060	30,37	11 630 060	39,96
6,10	11 601 061	22,39	11 604 061	39,96	11 607 061	25,58	11 610 061	40,51	11 621 061	22,39	11 624 061	39,96	11 630 061	43,15
6,20	11 601 062	22,39	11 604 062	39,96	11 607 062	25,58	11 610 062	40,51	11 621 062	22,39	11 624 062	39,96	11 630 062	43,15
6,30	11 601 063	22,39	11 604 063	39,96	11 607 063	25,58	11 610 063	40,51	11 621 063	22,39	11 624 063	39,96	11 630 063	43,15
6,40	11 601 064	22,39	11 604 064	39,96	11 607 064	25,58	11 610 064	40,51	11 621 064	22,39	11 624 064	39,96	11 630 064	43,15
6,50	11 601 065	22,39	11 604 065	41,56	11 607 065	25,58	11 610 065	44,76	11 621 065	22,39	11 624 065	41,56	11 630 065	44,76
6,60	11 601 066	22,39	11 604 066	41,56	11 607 066	25,58	11 610 066	44,76	11 621 066	22,39	11 624 066	41,56	11 630 066	44,76
6,70	11 601 067	22,39	11 604 067	41,56	11 607 067	25,58	11 610 067	44,76	11 621 067	22,39	11 624 067	41,56	11 630 067	44,76
6,80	11 601 068	22,39	11 604 068	41,56	11 607 068	25,58	11 610 068	44,76	11 621 068	22,39	11 624 068	41,56	11 630 068	44,76
6,90	11 601 069	22,39	11 604 069	41,56	11 607 069	25,58	11 610 069	44,76	11 621 069	22,39	11 624 069	41,56	11 630 069	44,76
7,00	11 601 070	22,39	11 604 070	41,56	11 607 070	25,58	11 610 070	44,76	11 621 070	22,39	11 624 070	41,56	11 630 070	44,76
7,10	11 601 071	22,39	11 604 071	41,56	11 607 071	25,58	11 610 071	44,76	11 621 071	22,39	11 624 071	41,56	11 630 071	44,76
7,20	11 601 072	22,39	11 604 072	41,56	11 607 072	25,58	11 610 072	44,76	11 621 072	22,39	11 624 072	41,56	11 630 072	44,76
7,30	11 601 073	22,39	11 604 073	41,56	11 607 073	25,58	11 610 073	44,76	11 621 073	22,39	11 624 073	41,56	11 630 073	44,76
7,40	11 601 074	22,39	11 604 074	41,56	11 607 074	25,58	11 610 074	44,76	11 621 074	22,39	11 624 074	41,56	11 630 074	44,76
7,45			11 604 924	39,96			11 610 924	43,15						
7,50	11 601 075	22,39	11 604 075	41,56	11 607 075	25,58	11 610 075	44,76	11 621 075	22,39	11 624 075	41,56	11 630 075	44,76
7,55	11 601 975	22,39	11 604 975	41,56	11 607 975	25,58	11 610 975	44,76	11 621 975	22,39	11 624 975	41,56	11 630 975	44,76
7,60	11 601 076	22,39	11 604 076	41,56	11 607 076	25,58	11 610 076	44,76	11 621 076	22,39	11 624 076	41,56	11 630 076	44,76
7,70	11 601 077	22,39	11 604 077	41,56	11 607 077	25,58	11 610 077	44,76	11 621 077	22,39	11 624 077	41,56	11 630 077	44,76
7,80	11 601 078	22,39	11 604 078	41,56	11 607 078	25,58	11 610 078	44,76	11 621 078	22,39	11 624 078	41,56	11 630 078	44,76
7,90	11 601 079	22,39	11 604 079	41,56	11 607 079	25,58	11 610 079	44,76	11 621 079	22,39	11 624 079	41,56	11 630 079	44,76
8,00	11 601 080	22,39	11 604 080	41,56	11 607 080	25,58	11 610 080	44,76	11 621 080	22,39	11 624 080	41,56	11 630 080	44,76
8,10	11 601 081	25,58	11 604 081	47,96	11 607 081	28,78	11 610 081	51,14	11 621 081	25,58	11 624 081	47,96	11 630 081	49,56
8,20	11 601 082	25,58	11 604 082	47,96	11 607 082	28,78	11 610 082	51,14	11 621 082	25,58	11 624 082	47,96	11 630 082	49,56
8,30	11 601 083	25,58	11 604 083	47,96	11 607 083	28,78	11 610 083	51,14	11 621 083	25,58	11 624 083	47,96	11 630 083	49,56
8,40	11 601 084	25,58	11 604 084	47,96	11 607 084	28,78	11 610 084	51,14	11 621 084	25,58	11 624 084	47,96	11 630 084	49,56
8,50	11 601 085	25,58	11 604 085	47,96	11 607 085	28,78	11 610 085	51,14	11 621 085	25,58	11 624 085	47,96	11 630 085	49,56
8,60	11 601 086	25,58	11 604 086	47,96	11 607 086	28,78	11 610 086	51,14	11 621 086	25,58	11 624 086	47,96	11 630 086	49,56
8,70	11 601 087	25,58	11 604 087	47,96	11 607 087	28,78	11 610 087	51,14	11 621 087	25,58	11 624 087	47,96	11 630 087	49,56
8,80	11 601 088	25,58	11 604 088	47,96	11 607 088	28,78	11 610 088	51,14	11 621 088	25,58	11 624 088	47,96	11 630 088	49,56
8,90	11 601 089	25,58	11 604 089	47,96	11 607 089	28,78	11 610 089	51,14	11 621 089	25,58	11 624 089	47,96	11 630 089	49,56
9,00	11 601 090	25,58	11 604 090	47,96	11 607 090	28,78	11 610 090	51,14	11 621 090	25,58	11 624 090	47,96	11 630 090	49,56
9,10	11 601 091	25,58	11 604 091	47,96	11 607 091	28,78	11 610 091	51,14	11 621 091	25,58	11 624 091	47,96	11 630 091	49,56
Steel	●		●		●		●		○		○		○	
Stainless steel			○				○		●		●		●	
Cast iron	●		●		●		●		○		○		○	
Non ferrous metals	○		○		○		○		●		●		●	
Heat resistant alloys											●		●	

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WPC – High Performance Drill, DIN 6537















	WNT \ Standard		WNT \ Standard		WNT \ Standard		WNT \ Standard		WNT \ Standard		WNT \ Standard		WNT \ Standard	
DC $_{m7}$	Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
mm		EUR		EUR		EUR		EUR		EUR		EUR		EUR
9,20	11 601 092	25,58	11 604 092	47,96	11 607 092	28,78	11 610 092	51,14	11 621 092	25,58	11 624 092	47,96	11 630 092	49,56
9,25	11 601 925	25,58	11 604 925	47,96	11 607 925	28,78	11 610 925	51,14	11 621 925	25,58	11 624 925	47,96	11 630 925	49,56
9,30	11 601 093	25,58	11 604 093	47,96	11 607 093	28,78	11 610 093	51,14	11 621 093	25,58	11 624 093	47,96	11 630 093	49,56
9,35			11 604 930	46,34			11 610 930	49,56						
9,40	11 601 094	25,58	11 604 094	47,96	11 607 094	28,78	11 610 094	51,14	11 621 094	25,58	11 624 094	47,96	11 630 094	49,56
9,50	11 601 095	25,58	11 604 095	47,96	11 607 095	28,78	11 610 095	51,14	11 621 095	25,58	11 624 095	47,96	11 630 095	49,56
9,60	11 601 096	25,58	11 604 096	47,96	11 607 096	28,78	11 610 096	51,14	11 621 096	25,58	11 624 096	47,96	11 630 096	49,56
9,70	11 601 097	25,58	11 604 097	47,96	11 607 097	28,78	11 610 097	51,14	11 621 097	25,58	11 624 097	47,96	11 630 097	49,56
9,80	11 601 098	25,58	11 604 098	47,96	11 607 098	28,78	11 610 098	51,14	11 621 098	25,58	11 624 098	47,96	11 630 098	49,56
9,90	11 601 099	25,58	11 604 099	47,96	11 607 099	28,78	11 610 099	51,14	11 621 099	25,58	11 624 099	47,96	11 630 099	49,56
10,00	11 601 100	25,58	11 604 100	47,96	11 607 100	28,78	11 610 100	51,14	11 621 100	25,58	11 624 100	47,96	11 630 100	49,56
10,10	11 601 101	38,36	11 604 101	68,72	11 607 101	43,15	11 610 101	75,12	11 621 101	38,36	11 624 101	68,72	11 630 101	75,12
10,20	11 601 102	38,36	11 604 102	68,72	11 607 102	43,15	11 610 102	75,12	11 621 102	38,36	11 624 102	68,72	11 630 102	75,12
10,30	11 601 103	38,36	11 604 103	68,72	11 607 103	43,15	11 610 103	75,12	11 621 103	38,36	11 624 103	68,72	11 630 103	75,12
10,40	11 601 104	38,36	11 604 104	68,72	11 607 104	43,15	11 610 104	75,12	11 621 104	38,36	11 624 104	68,72	11 630 104	75,12
10,50	11 601 105	38,36	11 604 105	68,72	11 607 105	43,15	11 610 105	75,12	11 621 105	38,36	11 624 105	68,72	11 630 105	75,12
10,60	11 601 106	38,36	11 604 106	68,72	11 607 106	43,15	11 610 106	75,12	11 621 106	38,36	11 624 106	68,72	11 630 106	75,12
10,70	11 601 107	38,36	11 604 107	68,72	11 607 107	43,15	11 610 107	75,12	11 621 107	38,36	11 624 107	68,72	11 630 107	75,12
10,75			11 604 904	65,49			11 610 904	71,90						
10,80	11 601 108	38,36	11 604 108	68,72	11 607 108	43,15	11 610 108	75,12	11 621 108	38,36	11 624 108	68,72	11 630 108	75,12
10,90	11 601 109	38,36	11 604 109	68,72	11 607 109	43,15	11 610 109	75,12	11 621 109	38,36	11 624 109	68,72	11 630 109	75,12
11,00	11 601 110	38,36	11 604 110	68,72	11 607 110	43,15	11 610 110	75,12	11 621 110	38,36	11 624 110	68,72	11 630 110	75,12
11,10	11 601 111	38,36	11 604 111	68,72	11 607 111	43,15	11 610 111	75,12	11 621 111	38,36	11 624 111	68,72	11 630 111	75,12
11,20	11 601 112	38,36	11 604 112	68,72	11 607 112	43,15	11 610 112	75,12	11 621 112	38,36	11 624 112	68,72	11 630 112	75,12
11,25			11 604 912	65,49			11 610 912	71,90						
11,30	11 601 113	38,36	11 604 113	68,72	11 607 113	43,15	11 610 113	75,12	11 621 113	38,36	11 624 113	68,72	11 630 113	75,12
11,40	11 601 114	38,36	11 604 114	68,72	11 607 114	43,15	11 610 114	75,12	11 621 114	38,36	11 624 114	68,72	11 630 114	75,12
11,50	11 601 115	38,36	11 604 115	68,72	11 607 115	43,15	11 610 115	75,12	11 621 115	38,36	11 624 115	68,72	11 630 115	75,12
11,60	11 601 116	38,36	11 604 116	68,72	11 607 116	43,15	11 610 116	75,12	11 621 116	38,36	11 624 116	68,72	11 630 116	75,12
11,70	11 601 117	38,36	11 604 117	68,72	11 607 117	43,15	11 610 117	75,12	11 621 117	38,36	11 624 117	68,72	11 630 117	75,12
11,80	11 601 118	38,36	11 604 118	68,72	11 607 118	43,15	11 610 118	75,12	11 621 118	38,36	11 624 118	68,72	11 630 118	75,12
11,90	11 601 119	38,36	11 604 119	68,72	11 607 119	43,15	11 610 119	75,12	11 621 119	38,36	11 624 119	68,72	11 630 119	75,12
12,00	11 601 120	38,36	11 604 120	68,72	11 607 120	43,15	11 610 120	75,12	11 621 120	38,36	11 624 120	68,72	11 630 120	75,12
12,25	11 601 122	49,56	11 604 122	92,68	11 607 122	55,92	11 610 122	97,47						
12,50	11 601 125	51,14	11 604 125	95,88	11 607 125	55,92	11 610 125	102,27	11 621 125	51,14	11 624 125	95,88	11 630 125	102,27
12,70	11 601 127	51,14	11 604 127	95,88	11 607 127	55,92	11 610 127	102,27	11 621 127	51,14	11 624 127	95,88	11 630 127	102,27
12,80	11 601 128	49,56	11 604 128	92,68	11 607 128	55,92	11 610 128	97,47						
12,90	11 601 129	49,56	11 604 129	92,68	11 607 129	55,92	11 610 129	97,47						
13,00	11 601 130	51,14	11 604 130	95,88	11 607 130	55,92	11 610 130	102,27	11 621 130	51,14	11 624 130	95,88	11 630 130	102,27
13,10			11 604 131	92,68			11 610 131	97,47						
13,30	11 601 133	49,56	11 604 133	92,68	11 607 133	55,92	11 610 133	97,47						
13,50	11 601 135	51,14	11 604 135	95,88	11 607 135	55,92	11 610 135	102,27	11 621 135	51,14	11 624 135	95,88	11 630 135	102,27
13,70	11 601 137	51,14	11 604 137	95,88	11 607 137	55,92	11 610 137	102,27	11 621 137	51,14	11 624 137	95,88	11 630 137	102,27
13,80	11 601 138	49,56	11 604 138	92,68	11 607 138	55,92	11 610 138	97,47						
14,00	11 601 140	51,14	11 604 140	95,88	11 607 140	55,92	11 610 140	102,27	11 621 140	51,14	11 624 140	95,88	11 630 140	102,27
14,20	11 601 142	65,49	11 604 142	113,45	11 607 142	73,51	11 610 142	121,45						
14,50	11 601 145	67,12	11 604 145	118,26	11 607 145	73,51	11 610 145	126,24	11 621 145	67,12	11 624 145	118,26	11 630 145	126,24
14,70	11 601 147	67,12	11 604 147	118,26	11 607 147	73,51	11 610 147	126,24	11 621 147	67,12	11 624 147	118,26	11 630 147	126,24
14,80	11 601 148	65,49	11 604 148	113,45	11 607 148	73,51	11 610 148	121,45						
15,00	11 601 150	67,12	11 604 150	118,26	11 607 150	73,51	11 610 150	126,24	11 621 150	67,12	11 624 150	118,26	11 630 150	126,24
15,10			11 604 151	113,45			11 610 151	121,45						
15,25	11 601 152	65,49	11 604 152	113,45	11 607 152	73,51	11 610 152	121,45						
15,30	11 601 153	65,49	11 604 153	113,45	11 607 153	73,51	11 610 153	121,45						
15,50	11 601 155	67,12	11 604 155	118,26	11 607 155	73,51	11 610 155	126,24	11 621 155	67,12	11 624 155	118,26	11 630 155	126,24
15,60			11 604 156	113,45			11 610 156	121,45						
15,70	11 601 157	67,12	11 604 157	118,26	11 607 157	73,51	11 610 157	126,24	11 621 157	67,12	11 624 157	118,26	11 630 157	126,24
15,80	11 601 158	65,49	11 604 158	113,45	11 607 158	73,51	11 610 158	121,45						
16,00	11 601 160	67,12	11 604 160	118,26	11 607 160	73,51	11 610 160	126,24	11 621 160	67,12	11 624 160	118,26	11 630 160	126,24
16,50	11 601 165	113,45	11 604 165	190,17	11 607 165	118,26	11 610 165	201,33	11 621 165	113,45	11 624 165	190,17	11 630 165	201,33
16,80	11 601 168	110,24	11 604 168	182,17	11 607 168	118,26	11 610 168	194,96						
16,90			11 604 169	182,17			11 610 169	194,96						
17,00	11 601 170	113,45	11 604 170	190,17	11 607 170	118,26	11 610 170	201,33	11 621 170	113,45	11 624 170	190,17	11 630 170	201,33
17,50	11 601 175	113,45	11 604 175	190,17	11 607 175	118,26	11 610 175	201,33	11 621 175	113,45	11 624 175	190,17	11 630 175	201,33
17,60			11 604 176	182,17			11 610 176	194,96						
17,80	11 601 178	110,24	11 604 178	182,17	11 607 178	118,26	11 610 178	194,96						
18,00	11 601 180	113,45	11 604 180	190,17	11 607 180	118,26	11 610 180	201,33	11 621 180	113,45	11 624 180	190,17	11 630 180	201,33
18,50	11 601 185	126,24	11 604 185	207,75	11 607 185	127,83	11 610 185	218,91	11 621 185	126,24	11 624 185	207,75	11 630 185	218,91
18,80	11 601 188	119,85	11 604 188	198,15	11 607 188	127,83	11 610 188	210,94						
18,90			11 604 189	198,15			11 610 189	210,94						
19,00	11 601 190	126,24	11 604 190	207,75	11 607 190	127,83	11 610 190	218,91	11 621 190	126,24	11 624 190	207,75	11 630 190	218,91
19,50	11 601 195	126,24	11 604 195	207,75	11 607 195	127,83	11 610 195	218,91	11 621 195	126,24	11 624 195	207,75	11 630 195	218,91
19,60			11 604 196	198,15			11 610 196	210,94						
19,80	11 601 198	119,85	11 604 198	198,15	11 607 198	127,83	11 610 198	210,94						
20,00	11 601 200	126,24	11 604 200	207,75	11 607 200	127,83	11 610 200	218,91	11 621 200	126,24	11 624 200	207,75	11 630 200	218,91
Steel	●		●		●		●		○		○		○	
Stainless steel			○				○		●		●		●	
Cast iron	●		●		●		●		○		○		○	
Non ferrous metals	○		○		○		○		●		●		●	
Heat resistant alloys											●		●	

WPC – High Performance Drill, factory standard



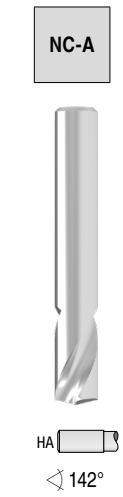
WNT \ Standard



WNT \ Standard

DC h7	Article no.	EUR	Article no.	EUR
mm				
3,0	11 612 030	96,48	11 615 030	144,25
3,1	11 612 031	96,48	11 615 031	144,25
3,2	11 612 032	96,48	11 615 032	144,25
3,3	11 612 033	96,48	11 615 033	144,25
3,4	11 612 034	96,48	11 615 034	144,25
3,5	11 612 035	96,48	11 615 035	144,25
3,6	11 612 036	96,48	11 615 036	144,25
3,7	11 612 037	96,48	11 615 037	144,25
3,8	11 612 038	96,48	11 615 038	144,25
3,9	11 612 039	96,48	11 615 039	144,25
4,0	11 612 040	96,48	11 615 040	144,25
4,1	11 612 041	96,48	11 615 041	144,25
4,2	11 612 042	96,48	11 615 042	144,25
4,3	11 612 043	96,48	11 615 043	144,25
4,4	11 612 044	96,48	11 615 044	144,25
4,5	11 612 045	96,48	11 615 045	144,25
4,6	11 612 046	96,48	11 615 046	144,25
4,7	11 612 047	96,48	11 615 047	144,25
4,8	11 612 048	96,48	11 615 048	144,25
4,9	11 612 049	96,48	11 615 049	144,25
5,0	11 612 050	96,48	11 615 050	144,25
5,1	11 612 051	96,48		
5,2	11 612 052	96,48		
5,3	11 612 053	96,48		
5,5	11 612 055	96,48	11 615 055	144,25
5,8	11 612 058	96,48	11 615 058	144,25
5,9	11 612 059	96,48		
6,0	11 612 060	96,48	11 615 060	144,25
6,1	11 612 061	123,72		
6,2	11 612 062	123,72		
6,3	11 612 063	123,72	11 615 063	166,03
6,5	11 612 065	123,72	11 615 065	166,03
6,6	11 612 066	123,72	11 615 066	166,03
6,8	11 612 068	123,72	11 615 068	166,03
7,0	11 612 070	123,72	11 615 070	166,03
7,4	11 612 074	123,72		
7,5	11 612 075	123,72	11 615 075	166,03
7,7	11 612 077	123,72		
7,8	11 612 078	123,72	11 615 078	166,03
7,9	11 612 079	123,72		
8,0	11 612 080	123,72	11 615 080	166,03
8,1	11 612 081	155,54		
8,2	11 612 082	155,54	11 615 082	239,51
8,3	11 612 083	155,54		
8,5	11 612 085	155,54	11 615 085	239,51
8,6	11 612 086	155,54		
8,7	11 612 087	155,54		
8,8	11 612 088	155,54		
9,0	11 612 090	155,54	11 615 090	239,51
9,1	11 612 091	155,54		
9,2	11 612 092	155,54		
9,3	11 612 093	155,54		
9,4	11 612 094	155,54		
9,5	11 612 095	155,54	11 615 095	239,51
9,7	11 612 097	155,54		
9,8	11 612 098	155,54	11 615 098	239,51
9,9	11 612 099	155,54		
10,0	11 612 100	155,54	11 615 100	239,51
10,2	11 612 102	206,99		
10,5	11 612 105	206,99	11 615 105	330,69
10,8	11 612 108	206,99		
11,0	11 612 110	206,99	11 615 110	330,69
11,2	11 612 112	206,99		
11,5	11 612 115	206,99	11 615 115	330,69
11,8	11 612 118	206,99		
12,0	11 612 120	206,99	11 615 120	330,69
12,5	11 612 125	303,77		
13,0	11 612 130	303,77	11 615 130	415,06
13,5	11 612 135	303,77		
14,0	11 612 140	303,77	11 615 140	415,06
14,5	11 612 145	396,83		
15,0	11 612 150	396,83	11 615 150	548,43
15,5	11 612 155	396,83		
16,0	11 612 160	396,83	11 615 160	548,43
16,5	11 612 165	493,59		
17,0	11 612 170	493,59		
17,5	11 612 175	493,59		
18,0	11 612 180	493,59	11 615 180	627,35
18,5	11 612 185	549,95		
19,0	11 612 190	549,95		
20,0	11 612 200	549,95		
Steel	●		●	
Stainless steel	○		○	
Cast iron	●		●	
Non ferrous metals	○		○	
Heat resistant alloys				

NC Spot Drill, factory standard



WNT \ Standard

DC h5	Article no.	EUR
mm		
2	10 704 002	16,94
3	10 704 003	16,94
4	10 704 004	13,28
5	10 704 005	15,26
6	10 704 006	17,03
8	10 704 008	26,17
10	10 704 010	36,70
12	10 704 012	52,92
14	10 704 014	60,85
16	10 704 016	88,81
18	10 704 018	172,26
20	10 704 020	144,62
Steel	●	
Stainless steel		
Cast iron	●	
Non ferrous metals	●	
Heat resistant alloys		

New for old

Regrind instead of buying new

Your used precision tool is in the best possible hands with us. We return your tool to you with the original finish, coating and geometry – as good as new and ready for use back in the machine.

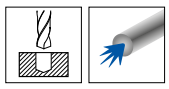


Customer Service Centre
Freephone: 1800 93 22 55

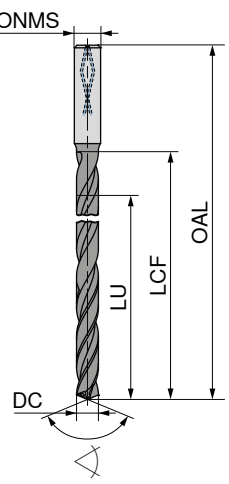
Ordering via the Online Shop
http://cuttingtools.ceratizit.com

WTX – High performance deep hole drills

- Pilot hole necessary
- Excellent alignment precision
- Secure chip evacuation



WNT \ Performance



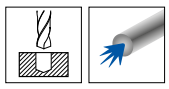


HA
135°
Solid carbide

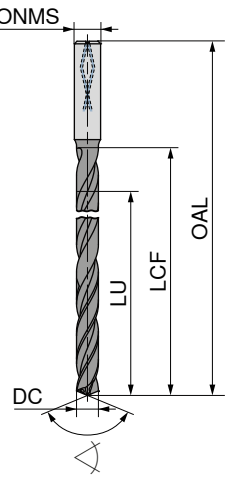
DC h7	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
mm								
2,0	11 016 020	110,32	11 017 020	110,32	11 020 020	116,72	11 021 020	116,72
2,2	11 016 022	110,32	11 017 022	110,32	11 020 022	112,77	11 021 022	116,72
2,3	11 016 023	110,32	11 017 023	110,32	11 020 023	116,72	11 021 023	116,72
2,4	11 016 024	123,15	11 017 024	123,15	11 020 024	126,41	11 021 024	130,83
2,5	11 016 025	123,15	11 017 025	123,15	11 020 025	130,83	11 021 025	130,83
2,7	11 016 027	123,15	11 017 027	123,15	11 020 027	126,41	11 021 027	130,83
2,8	11 016 028	123,15	11 017 028	123,15	11 020 028	130,83	11 021 028	130,83
3,0	11 016 030	156,50	11 017 030	156,50	11 020 030	168,55	11 021 030	174,45
3,2	11 016 032	156,50	11 017 032	156,50	11 020 032	174,45	11 021 032	174,45
3,3	11 016 033	156,50	11 017 033	156,50	11 020 033	168,55	11 021 033	174,45
3,5	11 016 035	156,50	11 017 035	156,50	11 020 035	174,45	11 021 035	174,45
3,8	11 016 038	162,91	11 017 038	162,91	11 020 038	175,99	11 021 038	182,14
4,0	11 016 040	162,91	11 017 040	162,91	11 020 040	182,14	11 021 040	182,14
4,2	11 016 042	175,74	11 017 042	175,74	11 020 042	188,38	11 021 042	194,98
4,5	11 016 045	175,74	11 017 045	175,74	11 020 045	194,98	11 021 045	194,98
4,8	11 016 048	186,00	11 017 048	186,00	11 020 048	199,53	11 021 048	206,53
5,0	11 016 050	186,00	11 017 050	186,00	11 020 050	206,53	11 021 050	206,53
5,5	11 016 055	193,70	11 017 055	193,70	11 020 055	208,22	11 021 055	215,51
5,8	11 016 058	193,70	11 017 058	193,70	11 020 058	215,51	11 021 058	215,51
6,0	11 016 060	193,70	11 017 060	193,70	11 020 060	215,51	11 021 060	215,51
6,5	11 016 065	206,53	11 017 065	206,53	11 020 065	229,61	11 021 065	229,61
6,8	11 016 068	221,93	11 017 068	221,93	11 020 068	247,58	11 021 068	247,58
7,0	11 016 070	221,93	11 017 070	221,93	11 020 070	247,58	11 021 070	247,58
7,5	11 016 075	248,86	11 017 075	248,86	11 020 075	275,79	11 021 075	275,79
7,8	11 016 078	248,86	11 017 078	248,86	11 020 078	275,79	11 021 078	275,79
8,0	11 016 080	248,86	11 017 080	248,86	11 020 080	275,79	11 021 080	275,79
8,5	11 016 085	274,51	11 017 085	274,51	11 020 085	304,01	11 021 085	304,01
8,8	11 016 088	305,31	11 017 088	305,31	11 020 088	341,21	11 021 088	341,21
9,0	11 016 090	305,31	11 017 090	305,31	11 020 090	341,21	11 021 090	341,21
9,8	11 016 098	305,31	11 017 098	305,31	11 020 098	341,21	11 021 098	341,21
10,0	11 016 100	305,31	11 017 100	305,31	11 020 100	341,21	11 021 100	341,21
10,2	11 016 102	341,21	11 017 102	341,21	11 020 102	374,56	11 021 102	374,56
10,8	11 016 108	341,21	11 017 108	329,68	11 020 108	374,56	11 021 108	374,56
11,8	11 016 118	341,21	11 017 118	341,21	11 020 118	374,56	11 021 118	374,56
12,0	11 016 120	341,21	11 017 120	329,68	11 020 120	374,56	11 021 120	374,56
Steel	●				●			
Stainless steel	●				●			
Cast iron	●				●			
Non ferrous metals			●				●	
Heat resistant alloys								

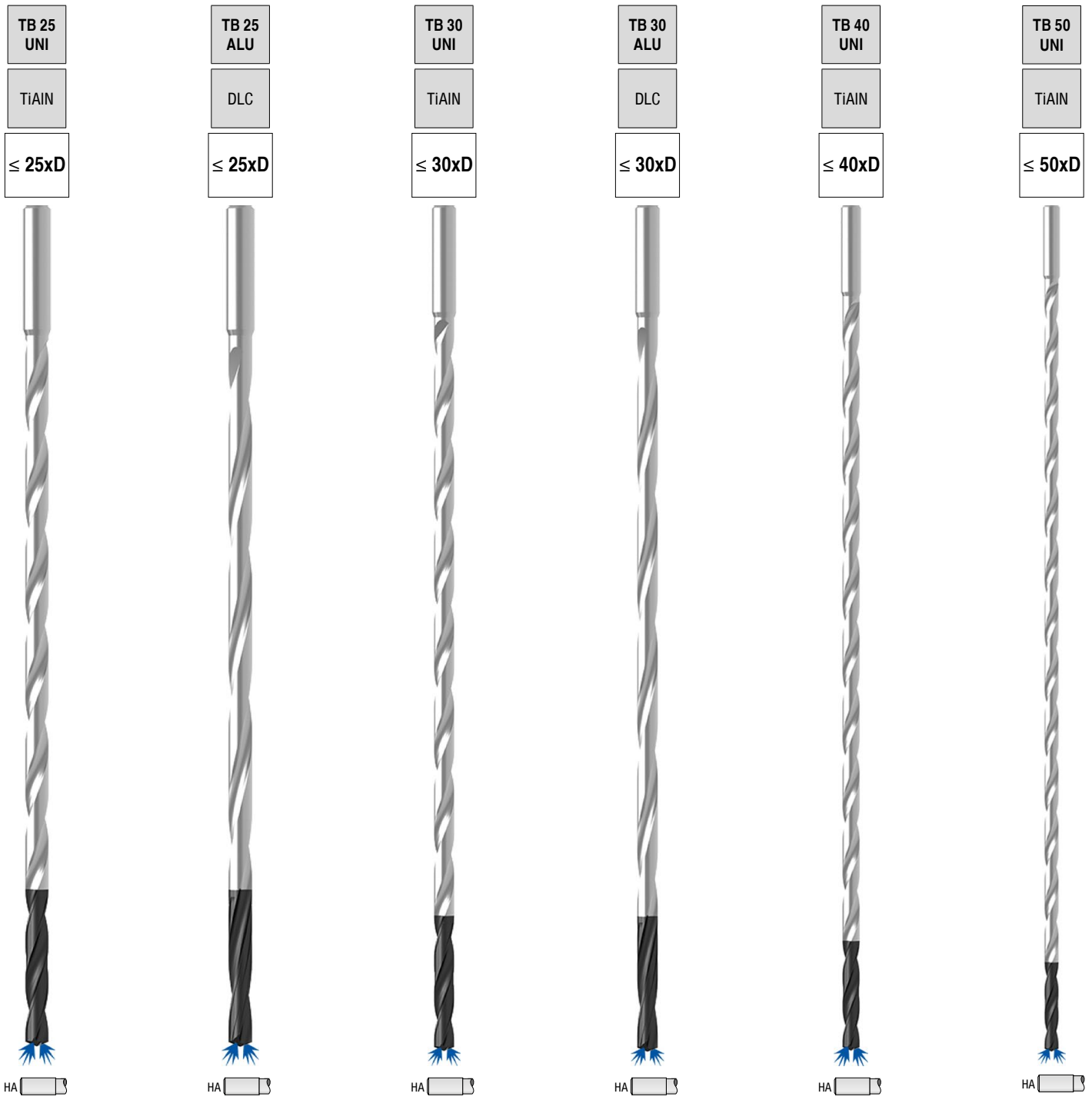
WTX – High performance deep hole drills

- ▲ Pilot hole necessary
- ▲ Excellent alignment precision
- ▲ Secure chip evacuation



WNT \ Performance





DC fg6/h7	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
mm												
2,0	11 025 020	124,43	11 026 020	124,43	11 030 020	132,13	11 031 020	132,13				
2,2	11 025 022	124,43	11 026 022	124,43	11 030 022	132,13	11 031 022	132,13				
2,3	11 025 023	124,43	11 026 023	124,43	11 030 023	132,13	11 031 023	132,13				
2,4	11 025 024	141,11	11 026 024	141,11	11 030 024	153,93	11 031 024	153,93				
2,5	11 025 025	141,11	11 026 025	141,11	11 030 025	153,93	11 031 025	153,93				
2,7	11 025 027	141,11	11 026 027	141,11	11 030 027	153,93	11 031 027	153,93				
2,8	11 025 028	141,11	11 026 028	141,11	11 030 028	153,93	11 031 028	153,93				
3,0	11 025 030	202,68	11 026 030	202,68	11 030 030	259,12	11 031 030	259,12	11 040 030	329,66	11 050 030	447,69
3,2	11 025 032	202,68	11 026 032	202,68	11 030 032	259,12	11 031 032	259,12				
3,3	11 025 033	224,48	11 026 033	223,21	11 030 033	266,83	11 031 033	266,83				
3,5	11 025 035	224,48	11 026 035	223,21	11 030 035	266,83	11 031 035	266,83				
3,8	11 025 038	230,89	11 026 038	230,89	11 030 038	266,83	11 031 038	266,83				
4,0	11 025 040	230,89	11 026 040	230,89	11 030 040	266,83	11 031 040	266,83	11 040 040	329,66	11 050 040	447,69
4,2	11 025 042	230,89	11 026 042	230,89	11 030 042	266,83	11 031 042	266,83	11 040 042	364,31	11 050 042	497,71
4,5	11 025 045	241,16	11 026 045	241,16	11 030 045	274,51	11 031 045	274,51	11 040 045	364,31	11 050 045	497,71
4,8	11 025 048	241,16	11 026 048	241,16	11 030 048	274,51	11 031 048	274,51	11 040 048	388,67	11 050 048	561,85
5,0	11 025 050	241,16	11 026 050	241,16	11 030 050	274,51	11 031 050	274,51	11 040 050	388,67	11 050 050	561,85
5,5	11 025 055	259,12	11 026 055	259,12	11 030 055	287,34	11 031 055	287,34	11 040 055	418,18	11 050 055	632,40
5,8	11 025 058	259,12	11 026 058	259,12	11 030 058	287,34	11 031 058	287,34	11 040 058	418,18	11 050 058	641,39
6,0	11 025 060	259,12	11 026 060	259,12	11 030 060	287,34	11 031 060	287,34	11 040 060	418,18	11 050 060	641,39
6,5	11 025 065	288,63	11 026 065	288,63	11 030 065	315,56	11 031 065	315,56	11 040 065	450,25	11 050 065	713,22
6,8	11 025 068	288,63	11 026 068	288,63	11 030 068	329,66	11 031 068	329,66	11 040 068	450,25	11 050 068	773,51
7,0	11 025 070	288,63	11 026 070	288,63	11 030 070	329,66	11 031 070	329,66	11 040 070	450,25		
7,5	11 025 075	320,69	11 026 075	320,69	11 030 075	329,66	11 031 075	329,66	11 040 075	500,27		
7,8	11 025 078	320,69	11 026 078	320,69	11 030 078	366,86	11 031 078	366,86	11 040 078	500,27		
8,0	11 025 080	320,69	11 026 080	320,69	11 030 080	366,86	11 031 080	366,86	11 040 080	500,27		
8,5	11 025 085	361,72	11 026 085	361,72	11 030 085	423,32	11 031 085	423,32	11 040 085	551,58		
8,8	11 025 088	392,52	11 026 088	392,52	11 030 088	445,12	11 031 088	445,12	11 040 088	551,58		
9,0	11 025 090	392,52	11 026 090	392,52	11 030 090	445,12	11 031 090	445,12	11 040 090	551,58		
9,8	11 025 098	392,52	11 026 098	392,52	11 030 098	445,12	11 031 098	445,12				
10,0	11 025 100	392,52	11 026 100	392,52	11 030 100	445,12	11 031 100	445,12				
10,2	11 025 102	472,07	11 026 102	472,07	11 030 102	568,27	11 031 102	568,27				
10,8	11 025 108	472,07	11 026 108	472,07	11 030 108	568,27	11 031 108	568,27				
11,8	11 025 118	472,07	11 026 118	472,07	11 030 118	568,27	11 031 118	568,27				
12,0	11 025 120	472,07	11 026 120	472,07	11 030 120	568,27	11 031 120	568,27				

Steel	●		●		●	●
Stainless steel	●		●		●	●
Cast iron	●		●		●	●
Non ferrous metals		●		●		
Heat resistant alloys						

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Indexable Insert Drilling

MaxiDrill 900

The specialist for high productivity in rough machining



- provides perfect drilling quality even under enormous loads
- ideal for large drilling depths: The high feed rates increase productivity
- for stable machining situations

Drilling guide (Main catalogue 2019)

Cutting data	39–50	Coding example	54
Maximum adjustment range	51–53	Grade description	56+57

MaxiDrill Classic

The drilling tool for universal application



- ideal for use on machines with limited power
- suitable for use under unstable conditions

KUB Pentron

The specialist for large hole depths



- the all-rounder for process-secure drilling under a wide variety of conditions
- ideal for extreme machining situations

KUB Trigon

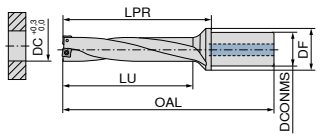
The solution for unstable conditions and high accuracy



- ideal for machining under unstable conditions
- well-suited to machining on less powerful machines
- the first choice for creating dimensionally accurate holes

MaxiDrill 900 – Indexable insert drill

Scope of supply:
Indexable Insert Drill including clamping screws and key





≤ 2xD  KOMET \ Performance

Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	Article no.	EUR
	mm	mm	mm	mm	mm	mm			
MD900.2D.120.R.03-C20	12,0	28	20	90	24	40	SONT 031804	10 852 120	121,00
MD900.2D.125.R.03-C20	12,5	28	20	91	25	41	SONT 031804	10 852 125	121,00
MD900.2D.130.R.03-C20	13,0	28	20	92	26	42	SONT 031804	10 852 130	121,00
MD900.2D.135.R.03-C20	13,5	28	20	93	27	43	SONT 031804	10 852 135	121,00
MD900.2D.140.R.04-C20	14,0	30	20	96	28	46	SONT 042105	10 852 140	132,00
MD900.2D.145.R.04-C20	14,5	30	20	97	29	47	SONT 042105	10 852 145	132,00
MD900.2D.150.R.04-C20	15,0	30	20	98	30	48	SONT 042105	10 852 150	132,00
MD900.2D.155.R.04-C20	15,5	30	20	99	31	49	SONT 042105	10 852 155	132,00
MD900.2D.160.R.05-C20	16,0	30	20	100	32	50	SONT 052306	10 852 160	132,00
MD900.2D.165.R.05-C20	16,5	30	20	101	33	51	SONT 052306	10 852 165	132,00
MD900.2D.170.R.05-C20	17,0	30	20	102	34	52	SONT 052306	10 852 170	143,00
MD900.2D.175.R.05-C20	17,5	30	20	103	35	53	SONT 052306	10 852 175	143,00
MD900.2D.180.R.06-C25	18,0	32	25	111	36	55	SONT 062506	10 852 180	143,00
MD900.2D.185.R.06-C25	18,5	32	25	112	37	56	SONT 062506	10 852 185	143,00
MD900.2D.190.R.06-C25	19,0	32	25	113	38	57	SONT 062506	10 852 190	143,00
MD900.2D.195.R.06-C25	19,5	32	25	114	39	58	SONT 062506	10 852 195	143,00
MD900.2D.200.R.06-C25	20,0	32	25	115	40	59	SONT 062506	10 852 200	143,00
MD900.2D.205.R.06-C25	20,5	32	25	116	41	60	SONT 062506	10 852 205	143,00
MD900.2D.210.R.07-C25	21,0	32	25	118	42	62	SONT 072907	10 852 210	143,00
MD900.2D.220.R.07-C25	22,0	32	25	120	44	64	SONT 072907	10 852 220	143,00
MD900.2D.230.R.07-C25	23,0	32	25	122	46	66	SONT 072907	10 852 230	154,00
MD900.2D.240.R.08-C32	24,0	40	32	132	48	72	SONT 083308	10 852 240	154,00
MD900.2D.250.R.08-C32	25,0	40	32	134	50	74	SONT 083308	10 852 250	154,00
MD900.2D.260.R.08-C32	26,0	40	32	136	52	76	SONT 083308	10 852 260	165,00
MD900.2D.270.R.08-C32	27,0	40	32	138	54	78	SONT 083308	10 852 270	165,00
MD900.2D.280.R.09-C32	28,0	40	32	140	56	80	SONT 093808	10 852 280	165,00
MD900.2D.290.R.09-C32	29,0	40	32	142	58	82	SONT 093808	10 852 290	165,00
MD900.2D.300.R.09-C32	30,0	40	32	144	60	84	SONT 093808	10 852 300	165,00
MD900.2D.310.R.09-C32	31,0	40	32	146	62	86	SONT 093808	10 852 310	187,00
MD900.2D.320.R.09-C32	32,0	40	32	148	64	88	SONT 093808	10 852 320	187,00
MD900.2D.330.R.10-C40	33,0	50	40	163	66	93	SONT 104408	10 852 330	187,00
MD900.2D.340.R.10-C40	34,0	50	40	165	68	95	SONT 104408	10 852 340	187,00

Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	Article no.	EUR
	mm	mm	mm	mm	mm	mm			
MD900.2D.350.R.10-C40	35,0	50	40	167	70	97	SONT 104408	10 852 350	187,00
MD900.2D.360.R.10-C40	36,0	50	40	169	72	99	SONT 104408	10 852 360	187,00
MD900.2D.370.R.12-C40	37,0	56	40	174	74	104	SONT 124810	10 852 370	198,00
MD900.2D.380.R.12-C40	38,0	56	40	176	76	106	SONT 124810	10 852 380	198,00
MD900.2D.390.R.12-C40	39,0	56	40	178	78	108	SONT 124810	10 852 390	198,00
MD900.2D.400.R.12-C40	40,0	56	40	180	80	110	SONT 124810	10 852 400	198,00
MD900.2D.410.R.12-C40	41,0	56	40	182	82	112	SONT 124810	10 852 410	198,00
MD900.2D.420.R.13-C40	42,0	60	40	187	84	117	SONT 135012	10 852 420	209,00
MD900.2D.430.R.13-C40	43,0	60	40	189	86	119	SONT 135012	10 852 430	209,00
MD900.2D.440.R.13-C40	44,0	60	40	191	88	121	SONT 135012	10 852 440	209,00
MD900.2D.450.R.13-C40	45,0	60	40	193	90	123	SONT 135012	10 852 450	209,00
MD900.2D.460.R.13-C40	46,0	60	40	195	92	125	SONT 135012	10 852 460	209,00
MD900.2D.470.R.15-C40	47,0	60	40	198	94	128	SONT 155312	10 852 470	209,00
MD900.2D.480.R.15-C40	48,0	60	40	200	96	130	SONT 155312	10 852 480	209,00
MD900.2D.490.R.15-C40	49,0	60	40	202	98	132	SONT 155312	10 852 490	231,00
MD900.2D.500.R.15-C40	50,0	60	40	204	100	134	SONT 155312	10 852 500	231,00
MD900.2D.510.R.15-C40	52,0	60	40	208	104	138	SONT 155312	10 852 520	242,00
MD900.2D.520.R.15-C40	51,0	60	40	206	102	136	SONT 155312	10 852 510	242,00
MD900.2D.530.R.15-C40	53,0	60	40	210	106	140	SONT 155312	10 852 530	242,00
MD900.2D.540.R.15-C40	54,0	60	40	212	108	142	SONT 155312	10 852 540	242,00
MD900.2D.550.R.17-C40	55,0	60	40	215	110	145	SONT 175612	10 852 550	242,00
MD900.2D.560.R.17-C40	56,0	60	40	217	112	147	SONT 175612	10 852 560	242,00
MD900.2D.570.R.17-C40	57,0	60	40	219	114	149	SONT 175612	10 852 570	242,00
MD900.2D.580.R.17-C40	58,0	60	40	221	116	151	SONT 175612	10 852 580	242,00
MD900.2D.590.R.17-C40	59,0	60	40	223	118	153	SONT 175612	10 852 590	242,00
MD900.2D.600.R.17-C40	60,0	62	40	225	120	155	SONT 175612	10 852 600	242,00
MD900.2D.610.R.17-C40	61,0	62	40	227	122	157	SONT 175612	10 852 610	242,00
MD900.2D.620.R.17-C40	62,0	64	40	229	124	159	SONT 175612	10 852 620	242,00
MD900.2D.630.R.17-C40	63,0	64	40	231	126	161	SONT 175612	10 852 630	242,00

Key D


Clamping screw

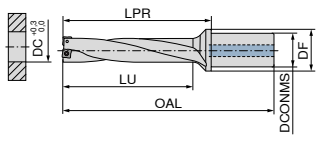
Spare parts DC	Key D	Article no.	EUR	Clamping screw	Article no.	EUR
12 - 13,5	T06 - IP	80 950 123	8,27	M1,8x3,6 - IP	70 950 862	3,14
14 - 17,5	T06 - IP	80 950 123	8,27	M2x4,3 - IP	70 950 863	2,78
18 - 23	T07 - IP	80 950 124	8,16	M2,2x5 - IP	70 950 856	2,71
24 - 27	T08 - IP	80 950 125	8,16	M2,5x6 - IP	70 950 857	3,48
28 - 32	T09 - IP	80 950 126	8,93	M3x7 - IP	70 950 819	2,66
33 - 41	T15 - IP	80 950 128	9,54	M3,5x8,6 - IP	70 950 859	2,66
42 - 63	T20 - IP	80 950 129	10,02	M4,5x10,5 - IP	70 950 864	2,66

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guaranteed before 12 noon, next day delivery

MaxiDrill 900 – Indexable insert drill

Scope of supply:
Indexable Insert Drill including clamping screws and key





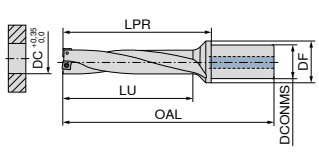
≤ 3xD  KOMET \ Performance

Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	Article no.	
	mm	mm	mm	mm	mm	mm			EUR
MD900.3D.120.R.03-C20	12,0	28	20	102	36,0	52	SONT 031804	10 853 120	132,00
MD900.3D.125.R.03-C20	12,5	28	20	104	37,5	54	SONT 031804	10 853 125	132,00
MD900.3D.130.R.03-C20	13,0	28	20	105	39,0	55	SONT 031804	10 853 130	132,00
MD900.3D.135.R.03-C20	13,5	28	20	107	40,5	57	SONT 031804	10 853 135	132,00
MD900.3D.140.R.04-C20	14,0	30	20	109	42,0	59	SONT 042105	10 853 140	132,00
MD900.3D.145.R.04-C20	14,5	30	20	111	44,0	61	SONT 042105	10 853 145	132,00
MD900.3D.150.R.04-C20	15,0	30	20	112	45,0	62	SONT 042105	10 853 150	132,00
MD900.3D.155.R.04-C20	15,5	30	20	114	47,0	64	SONT 042105	10 853 155	143,00
MD900.3D.160.R.05-C20	16,0	30	20	115	48,0	65	SONT 052306	10 853 160	143,00
MD900.3D.165.R.05-C20	16,5	30	20	117	50,0	67	SONT 052306	10 853 165	143,00
MD900.3D.170.R.05-C20	17,0	30	20	118	51,0	68	SONT 052306	10 853 170	143,00
MD900.3D.175.R.05-C20	17,5	30	20	120	53,0	70	SONT 052306	10 853 175	143,00
MD900.3D.180.R.06-C25	18,0	32	25	128	54,0	72	SONT 062506	10 853 180	143,00
MD900.3D.185.R.06-C25	18,5	32	25	130	56,0	74	SONT 062506	10 853 185	143,00
MD900.3D.190.R.06-C25	19,0	32	25	131	57,0	75	SONT 062506	10 853 190	154,00
MD900.3D.195.R.06-C25	19,5	32	25	133	59,0	77	SONT 062506	10 853 195	154,00
MD900.3D.200.R.06-C25	20,0	32	25	134	60,0	78	SONT 062506	10 853 200	154,00
MD900.3D.205.R.06-C25	20,5	32	25	136	62,0	80	SONT 062506	10 853 205	154,00
MD900.3D.210.R.07-C25	21,0	32	25	138	63,0	82	SONT 072907	10 853 210	154,00
MD900.3D.215.R.07-C25	21,5	32	25	140	65,0	84	SONT 072907	10 853 215	154,00
MD900.3D.220.R.07-C25	22,0	32	25	141	66,0	85	SONT 072907	10 853 220	154,00
MD900.3D.225.R.07-C25	22,5	32	25	143	68,0	87	SONT 072907	10 853 225	165,00
MD900.3D.230.R.07-C25	23,0	32	25	144	69,0	88	SONT 072907	10 853 230	165,00
MD900.3D.235.R.07-C25	23,5	32	25	146	71,0	90	SONT 072907	10 853 235	165,00
MD900.3D.240.R.08-C32	24,0	40	32	155	72,0	95	SONT 083308	10 853 240	165,00
MD900.3D.245.R.08-C32	24,5	40	32	157	74,0	97	SONT 083308	10 853 245	165,00
MD900.3D.250.R.08-C32	25,0	40	32	158	75,0	98	SONT 083308	10 853 250	165,00
MD900.3D.255.R.08-C32	25,5	40	32	160	77,0	100	SONT 083308	10 853 255	165,00
MD900.3D.260.R.08-C32	26,0	40	32	161	78,0	101	SONT 083308	10 853 260	176,00
MD900.3D.265.R.08-C32	26,5	40	32	163	80,0	103	SONT 083308	10 853 265	176,00
MD900.3D.270.R.08-C32	27,0	40	32	164	81,0	104	SONT 083308	10 853 270	176,00
MD900.3D.275.R.08-C32	27,5	40	32	166	83,0	106	SONT 083308	10 853 275	176,00
MD900.3D.280.R.09-C32	28,0	40	32	167	84,0	107	SONT 093808	10 853 280	176,00
MD900.3D.285.R.09-C32	28,5	40	32	169	86,0	109	SONT 093808	10 853 285	176,00
MD900.3D.290.R.09-C32	29,0	40	32	170	87,0	110	SONT 093808	10 853 290	176,00
MD900.3D.295.R.09-C32	29,5	40	32	172	89,0	112	SONT 093808	10 853 295	176,00
MD900.3D.300.R.09-C32	30,0	40	32	173	90,0	113	SONT 093808	10 853 300	176,00
MD900.3D.305.R.09-C32	30,5	40	32	175	92,0	115	SONT 093808	10 853 305	176,00
MD900.3D.310.R.09-C32	31,0	40	32	176	93,0	116	SONT 093808	10 853 310	198,00
MD900.3D.315.R.09-C32	31,5	40	32	178	95,0	118	SONT 093808	10 853 315	198,00

Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	Article no.	
	mm	mm	mm	mm	mm	mm			EUR
MD900.3D.320.R.09-C32	32,0	40	32	179	96,0	119	SONT 093808	10 853 320	198,00
MD900.3D.325.R.10-C40	32,5	50	40	192	98,0	124	SONT 104408	10 853 325	198,00
MD900.3D.330.R.10-C40	33,0	50	40	193	99,0	125	SONT 104408	10 853 330	198,00
MD900.3D.335.R.10-C40	33,5	50	40	195	101,0	127	SONT 104408	10 853 335	198,00
MD900.3D.340.R.10-C40	34,0	50	40	196	102,0	128	SONT 104408	10 853 340	198,00
MD900.3D.345.R.10-C40	34,5	50	40	198	104,0	130	SONT 104408	10 853 345	198,00
MD900.3D.350.R.10-C40	35,0	50	40	199	105,0	131	SONT 104408	10 853 350	198,00
MD900.3D.355.R.10-C40	35,5	50	40	201	107,0	133	SONT 104408	10 853 355	198,00
MD900.3D.360.R.10-C40	36,0	50	40	202	108,0	134	SONT 104408	10 853 360	198,00
MD900.3D.365.R.10-C40	36,5	50	40	204	110,0	136	SONT 104408	10 853 365	198,00
MD900.3D.370.R.12-C40	37,0	56	40	211	111,0	141	SONT 124810	10 853 370	209,00
MD900.3D.380.R.12-C40	38,0	56	40	214	114,0	144	SONT 124810	10 853 380	209,00
MD900.3D.390.R.12-C40	39,0	56	40	217	117,0	147	SONT 124810	10 853 390	209,00
MD900.3D.400.R.12-C40	40,0	56	40	220	120,0	150	SONT 124810	10 853 400	209,00
MD900.3D.410.R.12-C40	41,0	56	40	223	123,0	153	SONT 124810	10 853 410	209,00
MD900.3D.420.R.13-C40	42,0	60	40	229	126,0	159	SONT 135012	10 853 420	220,00
MD900.3D.430.R.13-C40	43,0	60	40	232	129,0	162	SONT 135012	10 853 430	220,00
MD900.3D.440.R.13-C40	44,0	60	40	235	132,0	165	SONT 135012	10 853 440	220,00
MD900.3D.450.R.13-C40	45,0	60	40	238	135,0	168	SONT 135012	10 853 450	220,00
MD900.3D.460.R.13-C40	46,0	60	40	241	138,0	171	SONT 135012	10 853 460	220,00
MD900.3D.470.R.15-C40	47,0	60	40	245	141,0	175	SONT 155312	10 853 470	220,00
MD900.3D.480.R.15-C40	48,0	60	40	248	144,0	178	SONT 155312	10 853 480	220,00
MD900.3D.490.R.15-C40	49,0	60	40	251	147,0	181	SONT 155312	10 853 490	242,00
MD900.3D.500.R.15-C40	50,0	60	40	254	150,0	184	SONT 155312	10 853 500	242,00
MD900.3D.510.R.15-C40	51,0	60	40	257	153,0	187	SONT 155312	10 853 510	253,00
MD900.3D.520.R.15-C40	52,0	60	40	260	156,0	190	SONT 155312	10 853 520	253,00
MD900.3D.530.R.15-C40	53,0	60	40	263	159,0	193	SONT 155312	10 853 530	253,00
MD900.3D.540.R.15-C40	54,0	60	40	266	162,0	196	SONT 155312	10 853 540	253,00
MD900.3D.550.R.17-C40	55,0	60	40	270	165,0	200	SONT 175612	10 853 550	253,00
MD900.3D.560.R.17-C40	56,0	60	40	273	168,0	203	SONT 175612	10 853 560	264,00
MD900.3D.570.R.17-C40	57,0	60	40	276	171,0	206	SONT 175612	10 853 570	264,00
MD900.3D.580.R.17-C40	58,0	60	40	279	174,0	209	SONT 175612	10 853 580	264,00
MD900.3D.590.R.17-C40	59,0	60	40	282	177,0	212	SONT 175612	10 853 590	264,00
MD900.3D.600.R.17-C40	60,0	62	40	285	180,0	215	SONT 175612	10 853 600	264,00
MD900.3D.610.R.17-C40	61,0	62	40	288	183,0	218	SONT 175612	10 853 610	264,00
MD900.3D.620.R.17-C40	62,0	64	40	291	186,0	221	SONT 175612	10 853 620	264,00
MD900.3D.630.R.17-C40	63,0	64	40	294	189,0	224	SONT 175612	10 853 630	264,00

MaxiDrill 900 – Indexable insert drill

Scope of supply:
Indexable Insert Drill including clamping screws and key





≤ 4xD  KOMET \ Performance

Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	Article no.	
	mm	mm	mm	mm	mm	mm			EUR
MD900.4D.120.R.03-C20	12	28	20	114	48	64	SONT 031804	10 854 120	176,00
MD900.4D.130.R.03-C20	13	28	20	118	52	68	SONT 031804	10 854 130	176,00
MD900.4D.140.R.04-C20	14	30	20	123	56	73	SONT 042105	10 854 140	187,00
MD900.4D.150.R.04-C20	15	30	20	127	60	77	SONT 042105	10 854 150	187,00
MD900.4D.160.R.05-C20	16	30	20	131	64	81	SONT 052306	10 854 160	187,00
MD900.4D.170.R.05-C20	17	30	20	135	68	85	SONT 052306	10 854 170	198,00
MD900.4D.180.R.06-C25	18	32	25	146	72	90	SONT 062506	10 854 180	198,00
MD900.4D.190.R.06-C25	19	32	25	150	76	94	SONT 062506	10 854 190	209,00
MD900.4D.200.R.06-C25	20	32	25	154	80	98	SONT 062506	10 854 200	209,00
MD900.4D.210.R.07-C25	21	32	25	159	84	103	SONT 072907	10 854 210	209,00
MD900.4D.220.R.07-C25	22	32	25	163	88	107	SONT 072907	10 854 220	209,00
MD900.4D.230.R.07-C25	23	32	25	167	92	111	SONT 072907	10 854 230	220,00
MD900.4D.240.R.08-C32	24	40	32	179	96	119	SONT 083308	10 854 240	220,00
MD900.4D.250.R.08-C32	25	40	32	183	100	123	SONT 083308	10 854 250	220,00
MD900.4D.260.R.08-C32	26	40	32	187	104	127	SONT 083308	10 854 260	242,00
MD900.4D.270.R.08-C32	27	40	32	191	108	131	SONT 083308	10 854 270	242,00
MD900.4D.280.R.09-C32	28	40	32	195	112	135	SONT 093808	10 854 280	242,00
MD900.4D.290.R.09-C32	29	40	32	199	116	139	SONT 093808	10 854 290	242,00
MD900.4D.300.R.09-C32	30	40	32	203	120	143	SONT 093808	10 854 300	242,00
MD900.4D.310.R.09-C32	31	40	32	207	124	147	SONT 093808	10 854 310	264,00
MD900.4D.320.R.09-C32	32	40	32	211	128	151	SONT 093808	10 854 320	264,00
MD900.4D.330.R.10-C40	33	50	40	228	132	158	SONT 104408	10 854 330	264,00
MD900.4D.340.R.10-C40	34	50	40	232	136	162	SONT 104408	10 854 340	264,00
MD900.4D.350.R.10-C40	35	50	40	236	140	166	SONT 104408	10 854 350	264,00

Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	Article no.	
	mm	mm	mm	mm	mm	mm			EUR
MD900.4D.360.R.10-C40	36	50	40	240	144	170	SONT 104408	10 854 360	264,00
MD900.4D.370.R.12-C40	37	56	40	248	148	178	SONT 124810	10 854 370	275,00
MD900.4D.380.R.12-C40	38	56	40	252	152	182	SONT 124810	10 854 380	275,00
MD900.4D.390.R.12-C40	39	56	40	256	156	186	SONT 124810	10 854 390	275,00
MD900.4D.400.R.12-C40	40	56	40	260	160	190	SONT 124810	10 854 400	275,00
MD900.4D.410.R.12-C40	41	56	40	264	164	194	SONT 124810	10 854 410	275,00
MD900.4D.420.R.13-C40	42	60	40	271	168	201	SONT 135012	10 854 420	286,00
MD900.4D.430.R.13-C40	43	60	40	275	172	205	SONT 135012	10 854 430	286,00
MD900.4D.440.R.13-C40	44	60	40	279	176	209	SONT 135012	10 854 440	286,00
MD900.4D.450.R.13-C40	45	60	40	283	180	213	SONT 135012	10 854 450	286,00
MD900.4D.460.R.13-C40	46	60	40	287	184	217	SONT 135012	10 854 460	286,00
MD900.4D.470.R.15-C40	47	60	40	292	188	222	SONT 155312	10 854 470	308,00
MD900.4D.480.R.15-C40	48	60	40	296	192	226	SONT 155312	10 854 480	308,00
MD900.4D.490.R.15-C40	49	60	40	300	196	230	SONT 155312	10 854 490	308,00
MD900.4D.500.R.15-C40	50	60	40	304	200	234	SONT 155312	10 854 500	308,00
MD900.4D.510.R.15-C40	51	60	40	308	204	238	SONT 155312	10 854 510	308,00
MD900.4D.520.R.15-C40	52	60	40	312	208	242	SONT 155312	10 854 520	308,00
MD900.4D.530.R.15-C40	53	60	40	316	212	246	SONT 155312	10 854 530	308,00
MD900.4D.540.R.15-C40	54	60	40	320	216	250	SONT 155312	10 854 540	308,00

Key D


Clamping screw

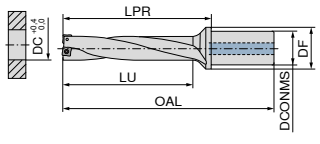
Spare parts DC			Article no.			Article no.	
			EUR			EUR	
12 - 13,5	T06 - IP	8,27	80 950 123	M1,8x3,6 - IP	3,14	70 950 862	
14 - 17,5	T06 - IP	8,27	80 950 123	M2x4,3 - IP	2,78	70 950 863	
18 - 23,5	T07 - IP	8,16	80 950 124	M2,2x5 - IP	2,71	70 950 856	
24 - 27,5	T08 - IP	8,16	80 950 125	M2,5x6 - IP	3,48	70 950 857	
28 - 32	T09 - IP	8,93	80 950 126	M3x7 - IP	2,66	70 950 819	
32,5 - 41	T15 - IP	9,54	80 950 128	M3,5x8,6 - IP	2,66	70 950 859	
42 - 63	T20 - IP	10,02	80 950 129	M4,5x10,5 - IP	2,66	70 950 864	

Customer Service Centre
Freephone: 1800 93 22 55

Ordering via the Online Shop
http://cuttingtools.ceratizit.com

MaxiDrill 900 – Indexable insert drill

Scope of supply:
Indexable Insert Drill including clamping screws and key





≤ 5xD  KOMET \ Performance

Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	Article no.	EUR
	mm	mm	mm	mm	mm	mm			
MD900.5D.120.R.03-C20	12	28	20	126	60	76	SONT 031804	10 855 120	209,00
MD900.5D.130.R.03-C20	13	28	20	131	65	81	SONT 031804	10 855 130	209,00
MD900.5D.140.R.04-C20	14	30	20	137	70	87	SONT 042105	10 855 140	220,00
MD900.5D.150.R.04-C20	15	30	20	142	75	92	SONT 042105	10 855 150	220,00
MD900.5D.160.R.05-C20	16	30	20	147	80	97	SONT 052306	10 855 160	220,00
MD900.5D.170.R.05-C20	17	30	20	152	85	102	SONT 052306	10 855 170	231,00
MD900.5D.180.R.06-C25	18	32	25	164	90	108	SONT 062506	10 855 180	231,00
MD900.5D.190.R.06-C25	19	32	25	169	95	113	SONT 062506	10 855 190	253,00
MD900.5D.200.R.06-C25	20	32	25	174	100	118	SONT 062506	10 855 200	253,00
MD900.5D.210.R.07-C25	21	32	25	180	105	124	SONT 072907	10 855 210	253,00
MD900.5D.220.R.07-C25	22	32	25	184	110	128	SONT 072907	10 855 220	253,00
MD900.5D.230.R.07-C25	23	32	25	189	115	133	SONT 072907	10 855 230	264,00
MD900.5D.240.R.08-C32	24	40	32	203	120	143	SONT 083308	10 855 240	264,00
MD900.5D.250.R.08-C32	25	40	32	208	125	148	SONT 083308	10 855 250	264,00
MD900.5D.260.R.08-C32	26	40	32	212	130	152	SONT 083308	10 855 260	286,00

Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	Article no.	EUR
	mm	mm	mm	mm	mm	mm			
MD900.5D.270.R.08-C32	27	40	32	217	135	157	SONT 083308	10 855 270	286,00
MD900.5D.280.R.09-C32	28	40	32	221	140	161	SONT 093808	10 855 280	286,00
MD900.5D.290.R.09-C32	29	40	32	226	145	166	SONT 093808	10 855 290	286,00
MD900.5D.300.R.09-C32	30	40	32	230	150	170	SONT 093808	10 855 300	286,00
MD900.5D.310.R.09-C32	31	40	32	235	155	175	SONT 093808	10 855 310	308,00
MD900.5D.320.R.09-C32	32	40	32	239	160	179	SONT 093808	10 855 320	308,00
MD900.5D.330.R.10-C40	33	50	40	259	165	191	SONT 104408	10 855 330	308,00
MD900.5D.340.R.10-C40	34	50	40	264	170	196	SONT 104408	10 855 340	308,00
MD900.5D.350.R.10-C40	35	50	40	269	175	201	SONT 104408	10 855 350	319,00
MD900.5D.360.R.10-C40	36	50	40	274	180	206	SONT 104408	10 855 360	319,00
MD900.5D.370.R.12-C40	37	56	40	285	185	215	SONT 124810	10 855 370	330,00
MD900.5D.380.R.12-C40	38	56	40	290	190	220	SONT 124810	10 855 380	330,00
MD900.5D.390.R.12-C40	39	56	40	295	195	225	SONT 124810	10 855 390	330,00
MD900.5D.400.R.12-C40	40	56	40	300	200	230	SONT 124810	10 855 400	330,00
MD900.5D.410.R.12-C40	41	56	40	305	205	235	SONT 124810	10 855 410	330,00

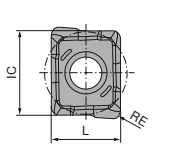
Key D


Clamping screw

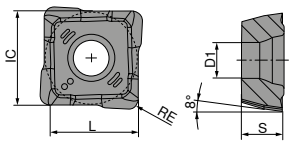
Spare parts DC		Article no.	EUR			Article no.	EUR	
12 - 13	T06 - IP		8,27	80 950 123	M1,8x3,6 - IP		3,14	70 950 862
14 - 17	T06 - IP		8,27	80 950 123	M2x4,3 - IP		2,78	70 950 863
18 - 23	T07 - IP		8,16	80 950 124	M2,2x5 - IP		2,71	70 950 856
24 - 27	T08 - IP		8,16	80 950 125	M2,5x6 - IP		3,48	70 950 857
28 - 32	T09 - IP		8,93	80 950 126	M3x7 - IP		2,66	70 950 819
33 - 41	T15 - IP		9,54	80 950 128	M3,5x8,6 - IP		2,66	70 950 859

SONT

Designation	IC	D1	L	S
	mm	mm	mm	mm
SONT 0318..	5,4	2,10	3,8	1,80
SONT 0421..	4,6	2,25	4,2	2,10
SONT 0523..	5,3	2,25	4,8	2,30
SONT 0625..	5,9	2,50	5,5	2,50
SONT 0729..	6,5	2,50	6,1	2,90
SONT 0833..	7,7	2,90	7,3	3,30
SONT 0938..	8,9	3,50	8,5	3,80
SONT 1044..	10,1	4,10	9,6	4,40
SONT 1248..	11,6	4,10	11,0	4,80
SONT 1350..	13,0	5,30	12,2	5,00
SONT 1553..	15,2	5,30	14,4	5,30
SONT 1756..	17,5	5,30	16,7	5,60



SONT 03..



SONT 04../05../06../07../08../09../10../12../13../15../17..

SONT

KOMET \ Performance


-M30 CTCP420
-M30 DCX1420
DRAGONSKIN


-M30 CTPP430
-M30 CCN1430
DRAGONSKIN

ISO	RE	Article no.	EUR	Article no.	EUR
	mm	-M30 CTCP420 -M30 DCX1420		-M30 CTPP430 -M30 CCN1430	
031804	0,4	10 830 703 [1]	9,09	10 830 103 [1]	9,09
Steel		●		●	
Stainless steel		○		●	
Cast iron		●		○	
Non ferrous metals				○	
Heat resistant alloys				○	

1) two usable cutting edges

SONT

KOMET \ Performance


-M30 CTCP420
-M30 DCX1420
DRAGONSKIN


-M30 CTPP430
-M30 CCN1430
DRAGONSKIN

ISO	RE	Article no.	EUR	Article no.	EUR
	mm	-M30 CTCP420 -M30 DCX1420		-M30 CTPP430 -M30 CCN1430	
042105	0,5	10 830 704	10,42	10 830 104	10,42
052306	0,6	10 830 705	10,55	10 830 105	10,55
062506	0,6	10 830 706	10,73	10 830 106	10,73
072907	0,7	10 830 707	10,97	10 830 107	10,97
083308	0,8	10 830 708	11,21	10 830 108	11,21
093808	0,8	10 830 709	11,47	10 830 109	11,47
104408	0,8	10 830 710	12,02	10 830 110	12,02
124810	1,0	10 830 712	12,74	10 830 112	12,74
135012	1,2	10 830 713	13,49	10 830 113	13,49
155312	1,2	10 830 715	15,30	10 830 115	15,30
175612	1,2	10 830 717	16,21	10 830 117	16,21
Steel		●		●	
Stainless steel		○		●	
Cast iron		●		○	
Non ferrous metals				○	
Heat resistant alloys				○	

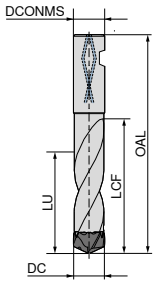
WTX – Holder for Exchangeable drills

▲ with radial teeth

≤ 1xD

Change

WNT \ Performance





HB

DC mm	DCONMS h6 mm	OAL mm	LCF mm	LU mm	Article no.	EUR
12,00 - 12,49	14	81	29	12,5	10 911 120	209,00
12,50 - 12,99	14	81	29	13,0	10 911 125	209,00
13,00 - 13,49	14	81	31	13,5	10 911 130	209,00
13,50 - 13,99	16	86	32	14,0	10 911 135	209,00
14,00 - 14,49	16	86	33	14,5	10 911 140	209,00
14,50 - 14,99	16	91	34	15,0	10 911 145	209,00
15,00 - 15,49	16	91	36	15,5	10 911 150	209,00
15,50 - 16,49	20	97	38	16,5	10 911 161	209,00
15,50 - 16,49	18	92	38	16,5	10 911 160	209,00
16,50 - 17,49	18	94	40	17,5	10 911 165	209,00
16,50 - 17,49	20	99	40	17,5	10 911 166	209,00
17,50 - 18,49	20	104	43	18,5	10 911 176	209,00
17,50 - 18,49	18	99	43	18,5	10 911 175	209,00
18,50 - 19,49	20	99	45	19,5	10 911 185	253,00
19,50 - 20,49	20	104	47	20,5	10 911 195	253,00
20,50 - 21,49	25	111	49	21,5	10 911 205	275,00
21,50 - 22,49	25	116	52	22,5	10 911 215	275,00
22,50 - 23,49	25	116	54	23,5	10 911 225	308,00
23,50 - 24,49	25	121	56	24,5	10 911 235	308,00
24,50 - 25,49	25	123	59	25,5	10 911 245	330,00
25,50 - 26,49	25	123	61	26,5	10 911 255	330,00
26,50 - 27,49	25	128	63	27,5	10 911 265	330,00
27,50 - 28,49	25	128	66	28,5	10 911 275	330,00
28,50 - 29,49	32	134	68	29,5	10 911 285	385,00
29,50 - 30,49	32	139	70	30,5	10 911 295	385,00
30,50 - 31,49	32	139	75	31,5	10 911 305	429,00
31,50 - 32,49	32	139	75	32,5	10 911 315	429,00
32,50 - 33,49	32	150	78	33,5	10 911 325	462,00
33,50 - 34,49	32	150	79	34,5	10 911 335	462,00
34,50 - 35,49	32	150	82	35,5	10 911 345	462,00
35,50 - 37,49	32	152	86	37,5	10 911 355	528,00
37,50 - 39,49	32	157	91	39,5	10 911 375	550,00
39,50 - 41,00	32	167	95	41,5	10 911 395	561,00

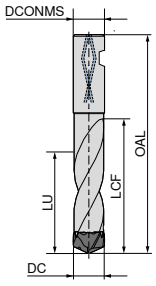
WTX – Holder for Exchangeable drills

▲ with radial teeth

≤ 3xD

Change

WNT \ Performance





HB

DC mm	DCONMS h6 mm	OAL mm	LCF mm	LU mm	Article no.	EUR
12,00 - 12,49	14	100	53	38,0	10 913 120	231,00
12,50 - 12,99	14	105	55	39,0	10 913 125	231,00
13,00 - 13,49	14	105	57	40,0	10 913 130	231,00
13,50 - 13,99	16	110	59	42,0	10 913 135	231,00
14,00 - 14,49	16	115	61	43,0	10 913 140	231,00
14,50 - 14,99	16	115	63	45,0	10 913 145	231,00
15,00 - 15,49	16	115	65	46,0	10 913 150	231,00
15,50 - 16,49	20	125	70	50,0	10 913 161	231,00
15,50 - 16,49	18	120	70	50,0	10 913 160	231,00
16,50 - 17,49	18	125	74	53,0	10 913 165	231,00
16,50 - 17,49	20	130	74	50,0	10 913 166	231,00
17,50 - 18,49	20	135	78	50,0	10 913 176	231,00
17,50 - 18,49	18	130	78	55,0	10 913 175	231,00
18,50 - 19,49	20	135	82	58,0	10 913 185	275,00
19,50 - 20,49	20	140	87	62,0	10 913 195	275,00
20,50 - 21,49	25	150	91	65,0	10 913 205	297,00
21,50 - 22,49	25	155	95	67,0	10 913 215	297,00
22,50 - 23,49	25	160	99	70,0	10 913 225	330,00
23,50 - 24,49	25	165	103	73,0	10 913 235	330,00
24,50 - 25,49	25	165	108	77,0	10 913 245	352,00
25,50 - 26,49	25	175	112	80,0	10 913 255	352,00
26,50 - 27,49	25	175	116	82,0	10 913 265	352,00
27,50 - 28,49	25	180	120	85,0	10 913 275	352,00
28,50 - 29,49	32	190	124	88,0	10 913 285	407,00
29,50 - 30,49	32	195	129	92,0	10 913 295	407,00
30,50 - 31,49	32	195	133	94,0	10 913 305	451,00
31,50 - 32,49	32	200	137	97,0	10 913 315	451,00
32,50 - 33,49	32	210	144	100,5	10 913 325	539,00
33,50 - 34,49	32	215	148	103,5	10 913 335	539,00
34,50 - 35,49	32	220	153	106,5	10 913 345	539,00
35,50 - 37,49	32	227	161	112,5	10 913 355	616,00
37,50 - 39,49	32	237	170	118,5	10 913 375	638,00
39,50 - 41,00	32	247	178	124,5	10 913 395	649,00

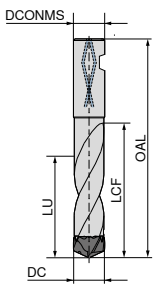
WTX – Holder for Exchangeable drills

▲ with radial teeth

≤ 5xD

Change

WNT \ Performance





HB

DC mm	DCONMS h6 mm	OAL mm	LCF mm	LU mm	Article no.	EUR
12,00 - 12,49	14	125	78	62,0	10 915 120	264,00
12,50 - 12,99	14	130	81	65,0	10 915 125	264,00
13,00 - 13,49	14	130	84	67,0	10 915 130	264,00
13,50 - 13,99	16	140	88	70,0	10 915 135	264,00
14,00 - 14,49	16	140	90	72,0	10 915 140	264,00
14,50 - 14,99	16	145	94	75,0	10 915 145	264,00
15,00 - 15,49	16	145	96	77,0	10 915 150	264,00
15,50 - 16,49	20	160	103	82,0	10 915 161	275,00
15,50 - 16,49	18	155	103	82,0	10 915 160	275,00
16,50 - 17,49	18	160	109	87,0	10 915 165	275,00
16,50 - 17,49	20	165	109	87,0	10 915 166	275,00
17,50 - 18,49	20	170	115	92,0	10 915 176	275,00
17,50 - 18,49	18	165	115	92,0	10 915 175	275,00
18,50 - 19,49	20	175	121	97,0	10 915 185	308,00
19,50 - 20,49	20	180	128	102,0	10 915 195	308,00
20,50 - 21,49	25	195	134	107,0	10 915 205	341,00
21,50 - 22,49	25	200	140	112,0	10 915 215	341,00
22,50 - 23,49	25	205	146	117,0	10 915 225	374,00
23,50 - 24,49	25	210	152	122,0	10 915 235	374,00
24,50 - 25,49	25	220	159	127,0	10 915 245	396,00
25,50 - 26,49	25	225	165	132,0	10 915 255	396,00
26,50 - 27,49	25	230	171	137,0	10 915 265	396,00
27,50 - 28,49	25	240	177	142,0	10 915 275	396,00
28,50 - 29,49	32	250	183	146,0	10 915 285	451,00
29,50 - 30,49	32	255	190	152,0	10 915 295	451,00
30,50 - 31,49	32	260	196	157,0	10 915 305	495,00
31,50 - 32,49	32	265	202	162,0	10 915 315	495,00
32,50 - 33,49	32	275	210	167,5	10 915 325	605,00
33,50 - 34,49	32	285	217	172,5	10 915 335	605,00
34,50 - 35,49	32	290	224	177,5	10 915 345	605,00
35,50 - 37,49	32	302	236	187,5	10 915 355	682,00
37,50 - 39,49	32	317	249	197,5	10 915 375	704,00
39,50 - 41,00	32	327	261	207,5	10 915 395	726,00

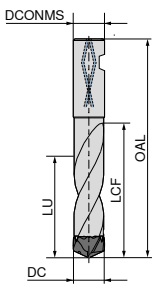
WTX – Holder for Exchangeable drills

▲ with radial teeth

≤ 8xD

Change

WNT \ Performance





HB

DC mm	DCONMS h6 mm	OAL mm	LCF mm	LU mm	Article no.	EUR
12,00 - 12,49	14	165	116	100	10 918 120	330,00
12,50 - 12,99	14	170	121	104	10 918 125	330,00
13,00 - 13,49	14	175	126	108	10 918 130	330,00
13,50 - 13,99	16	180	129	111	10 918 135	330,00
14,00 - 14,49	16	185	134	115	10 918 140	330,00
14,50 - 14,99	16	190	139	120	10 918 145	330,00
15,00 - 15,49	16	195	144	124	10 918 150	330,00
15,50 - 16,49	20	210	152	131	10 918 161	341,00
15,50 - 16,49	18	205	152	131	10 918 160	341,00
16,50 - 17,49	20	220	161	138	10 918 166	341,00
16,50 - 17,49	18	215	161	138	10 918 165	341,00
17,50 - 18,49	18	220	171	147	10 918 175	341,00
17,50 - 18,49	20	225	171	147	10 918 176	341,00
18,50 - 19,49	20	235	180	155	10 918 185	396,00
19,50 - 20,49	20	240	189	163	10 918 195	396,00
20,50 - 21,49	25	260	198	170	10 918 205	429,00
21,50 - 22,49	25	270	207	178	10 918 215	429,00
22,50 - 23,49	25	275	217	187	10 918 225	484,00
23,50 - 24,49	25	285	226	194	10 918 235	484,00
24,50 - 25,49	25	295	235	202	10 918 245	550,00
25,50 - 26,49	25	305	244	210	10 918 255	550,00
26,50 - 27,49	25	315	253	218	10 918 265	550,00
27,50 - 28,49	25	325	263	226	10 918 275	550,00
28,50 - 29,49	32	340	272	234	10 918 285	638,00
29,50 - 30,49	32	345	281	242	10 918 295	638,00
30,50 - 31,49	32	355	290	249	10 918 305	704,00
31,50 - 32,00	32	360	299	257	10 918 315	704,00

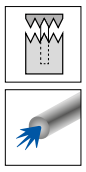
Drilling Head for Exchangeable drills can be found on → **Page 23.**

Customer Service Centre
Freephone: 1800 93 22 55

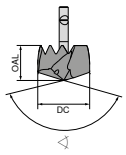
Ordering via the Online Shop
http://cuttingtools.ceratizit.com

WTX – Drilling Head for Exchangeable drills

▲ extra long head type



WNT \ Performance



Change UNI	Change VA	Change AL
DPX74S	Ti700	TiB
		
◁ 140° Solid carbide	◁ 138° Solid carbide	◁ 140° Solid carbide

DC h7/m7	OAL	Article no.	EUR	Article no.	EUR	Article no.	EUR
mm	mm						
12,0	10,7	10 919 12000	99,47	10 921 120	99,47	10 922 120	99,47
12,1	10,7	10 919 12100	99,47	10 921 121	99,47	10 922 121	99,47
12,2	10,7	10 919 12200	99,47	10 921 122	99,47	10 922 122	99,47
12,3	10,7	10 919 12300	99,47	10 921 123	99,47	10 922 123	99,47
12,4	10,7	10 919 12400	99,47	10 921 124	99,47	10 922 124	99,47
12,5	10,7	10 919 12500	99,47	10 921 125	99,47	10 922 125	99,47
12,6	10,7	10 919 12600	99,47	10 921 126	99,47	10 922 126	99,47
12,7	10,7	10 919 12700	99,47	10 921 127	99,47	10 922 127	99,47
12,8	10,7	10 919 12800	99,47	10 921 128	99,47	10 922 128	99,47
12,9	10,7	10 919 12900	99,47	10 921 129	99,47	10 922 129	99,47
13,0	10,7	10 919 13000	99,47	10 921 130	99,47	10 922 130	99,47
13,1	10,7	10 919 13100	99,47	10 921 131	99,47	10 922 131	99,47
13,2	10,7	10 919 13200	99,47	10 921 132	99,47	10 922 132	99,47
13,3	10,7	10 919 13300	99,47	10 921 133	99,47	10 922 133	99,47
13,4	10,7	10 919 13400	99,47	10 921 134	99,47	10 922 134	99,47
13,5	11,3	10 919 13500	99,47	10 921 135	99,47	10 922 135	99,47
13,6	11,3	10 919 13600	99,47	10 921 136	99,47	10 922 136	99,47
13,7	11,3	10 919 13700	99,47	10 921 137	99,47	10 922 137	99,47
13,8	11,3	10 919 13800	99,47	10 921 138	99,47	10 922 138	99,47
13,9	11,3	10 919 13900	99,47	10 921 139	99,47	10 922 139	99,47
14,0	11,3	10 919 14000	99,47	10 921 140	99,47	10 922 140	99,47
14,1	11,3	10 919 14100	99,47	10 921 141	99,47	10 922 141	99,47
14,2	11,3	10 919 14200	99,47	10 921 142	99,47	10 922 142	99,47
14,3	11,3	10 919 14300	99,47	10 921 143	99,47	10 922 143	99,47
14,4	11,3	10 919 14400	99,47	10 921 144	99,47	10 922 144	99,47
14,5	11,3	10 919 14500	99,47	10 921 145	99,47	10 922 145	99,47
14,6	11,3	10 919 14600	99,47	10 921 146	99,47	10 922 146	99,47
14,7	11,3	10 919 14700	99,47	10 921 147	99,47	10 922 147	99,47
14,8	11,3	10 919 14800	99,47	10 921 148	99,47	10 922 148	99,47
14,9	11,3	10 919 14900	99,47	10 921 149	99,47	10 922 149	99,47
15,0	11,3	10 919 15000	99,47	10 921 150	99,47	10 922 150	99,47
15,1	11,3	10 919 15100	99,47	10 921 151	99,47	10 922 151	99,47
15,2	11,3	10 919 15200	99,47	10 921 152	99,47	10 922 152	99,47
15,3	11,3	10 919 15300	99,47	10 921 153	99,47	10 922 153	99,47
15,4	11,3	10 919 15400	99,47	10 921 154	99,47	10 922 154	99,47
15,5	11,9	10 919 15500	99,47	10 921 155	99,47	10 922 155	99,47
15,6	11,9	10 919 15600	99,47	10 921 156	99,47	10 922 156	99,47
15,7	11,9	10 919 15700	99,47	10 921 157	99,47	10 922 157	99,47
15,8	11,9	10 919 15800	99,47	10 921 158	99,47	10 922 158	99,47
15,9	11,9	10 919 15900	99,47	10 921 159	99,47	10 922 159	99,47
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16,1	11,9	10 919 16100	99,47	10 921 161	99,47	10 922 161	99,47
16,2	11,9	10 919 16200	99,47	10 921 162	99,47	10 922 162	99,47
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16,4	11,9	10 919 16400	99,47	10 921 164	99,47	10 922 164	99,47
16,5	13,4	10 919 16500	99,47	10 921 165	99,47	10 922 165	99,47
16,6	13,4	10 919 16600	99,47	10 921 166	99,47	10 922 166	99,47
16,7	13,4	10 919 16700	99,47	10 921 167	99,47	10 922 167	99,47
16,8	13,4	10 919 16800	99,47	10 921 168	99,47	10 922 168	99,47
16,9	13,4	10 919 16900	99,47	10 921 169	99,47	10 922 169	99,47
17,0	13,4	10 919 17000	99,47	10 921 170	99,47	10 922 170	99,47
17,1	13,4	10 919 17100	99,47	10 921 171	99,47	10 922 171	99,47
17,2	13,4	10 919 17200	99,47	10 921 172	99,47	10 922 172	99,47
17,3	13,4	10 919 17300	99,47	10 921 173	99,47	10 922 173	99,47
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17,6	13,4	10 919 17600	99,47	10 921 176	99,47	10 922 176	99,47
17,7	13,4	10 919 17700	99,47	10 921 177	99,47	10 922 177	99,47
17,8	13,4	10 919 17800	99,47	10 921 178	99,47	10 922 178	99,47
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18,2	13,4	10 919 18200	108,23	10 921 182	108,23	10 922 182	108,23
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24,2	15,4	10 919 24200	139,74	10 921 242	148,49	10 922 242	148,49
24,3	15,4	10 919 24300	139,74	10 921 243	148,49	10 922 243	148,49
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25,3	17,4	10 919 25300	139,74	10 921 253	148,49	10 922 253	148,49
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25,8	17,4	10 919 25800	148,49	10 921 258	148,49	10 922 258	148,49
25,9	17,4	10 919 25900	148,49	10 921 259	148,49	10 922 259	148,49
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26,1	17,4	10 919 26100	148,49	10 921 261	148,49	10 922 261	148,49
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26,8	17,4	10 919 26800	148,49	10 921 268	148,49	10 922 268	148,49
26,9	17,4	10 919 26900	148,49	10 921 269	148,49	10 922 269	148,49
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27,1	17,4	10 919 27100	148,49	10 921 271	148,49	10 922 271	148,49
27,2	17,4	10 919 27200	148,49	10 921 272	148,49	10 922 272	148,49
27,3	17,4	10 919 27300	148,49	10 921 273	148,49	10 922 273	148,49
27,4	17,4	10 919 27400	148,49	10 921 274	148,49	10 922 274	148,49
27,5	17,4	10 919 27500	148,49	10 921 275	148,49	10 922 275	148,49
27,6	17,4	10 919 27600	148,49	10 921 276	148,49	10 922 276	148,49
27,7	17,4	10 919 27700	148,49	10 921 277	148,49	10 922 277	148,49
27,8	17,4	10 919 27800	148,49	10 921 278	148,49	10 922 278	148,49
27,9	17,4	10 919 27900	148,49	10 921 279	148,49	10 922 279	148,49
28,0	17,4	10 919 28000	148,49	10 921 280	148,49	10 922 280	148,49
28,1	17,4	10 919 28100	162,40	10 921 281	162,40	10 922 281	162,40
28,2	17,4	10 919 28200	162,40	10 921 282	162,40	10 922 282	162,40
28,3	17,4	10 919 28300	162,40	10 921 283	162,40	10 922 283	162,40
28,4	17,4	10 919 28400	162,40	10 921 284	162,40	10 922 284	162,40
28,5	18,4	10 919 28500	162,40	10 921 285	162,40	10 922 285	162,40
28,6	18,4	10 919 28600	162,40	10 921 286	162,40	10 922 286	162,40
28,7	18,4	10 919 28700	162,40	10 921 287	162,40	10 922 287	162,40
28,8	18,4	10 919 28800	162,40	10 921 288	162,40	10 922 288	162,40
28,9	18,4	10 919 28900	162,40	10 921 289	162,40	10 922 289	162,40
29,0	18,4	10 919 29000	162,40	10 921 290	162,40	10 922 290	162,40
29,1	18,4	10 919 29100	162,40	10 921 291	162,40	10 922 291	162,40
29,2	18,4	10 919 29200	162,40	10 921 292	162,40	10 922 292	162,40
29,3	18,4	10 919 29300	162,40	10 921 293	162,40	10 922 293	162,40
29,4	18,4	10 919 29400	162,40	10 921 294	162,40	10 922 294	162,40
29,5	18,4	10 919 29500	162,40	10 921 295	162,40	10 922 295	162,40
29,6	18,4	10 919 29600	162,40	10 921 296	162,40	10 922 296	162,40
29,7	18,4	10 919 29700	162,40	10 921 297	162,40	10 922 297	162,40
29,8	18,4	10 919 29800	162,40	10 921 298	162,40	10 922 298	162,40
29,9	18,4	10 919 29900	162,40	10 921 299	162,40	10 922 299	162,40
30,0	18,4	10 919 30000	162,40	10 921 300	162,40	10 922 300	162,40
30,1	18,4	10 919 30100	181,21	10 921 301	181,21	10 922 301	181,21
30,2	18,4	10 919 30200	181,21	10 921 302	181,21	10 922 302	181,21
30,3	18,4	10 919 30300	181,21	10 921 303	181,21	10 922 303	181,21
30,4	18,4	10 919 30400	181,21	10 921 304	181,21	10 922 304	181,21
30,5	18,4	10 919 30500	181,21	10 921 305	181,21	10 922 305	181,21
30,6	18,4	10 919 30600	181,21	10 921 306	181,21	10 922 306	181,21
30,7	18,4	10 919 30700	181,21	10 921 307	181,21	10 922 307	181,21
30,8	18,4	10 919 30800	181,21	10 921 308	181,21	10 922 308	181,21
30,9	18,4	10 919 30900	181,21	10 921 309	181,21	10 922 309	181,21
31,0	18,4	10 919 31000	181,21	10 921 310	181,21	10 922 310	181,21
31,1	18,4	10 919 31100	181,21	10 921 311	181,21	10 922 311	181,21
31,2	18,4	10 919 31200	181,21	10 921 312	181,21	10 922 312	181,21
31,3	18,4	10 919 31300	181,21	10 921 313	181,21	10 922 313	181,21
31,4	18,4	10 919 31400	181,21	10 921 314	181,21	10 922 314	181,21
31,5	18,4	10 919 31500	181,21	10 921 315	181,21	10 922 315	181,21
31,6	18,4	10 919 31600	181,21	10 921 316	181,21	10 922 316	181,21
31,7	18,4	10 919 31700	181,21	10 921 317	181,21	10 922 317	181,21
31,8	18,4	10 919 31800	181,21	10 921 318	181,21	10 922 318	181,21
31,9	18,4	10 919 31900	181,21	10 921 319	181,21	10 922 319	181,21
32,0	18,4	10 919 32000	181,21	10 921 320	181,21	10 922 320	181,21
32,5	24,3	10 919 32500	193,96				
33,0	24,3	10 919 33000	193,96				
33,5	24,3	10 919 33500	193,96				
34,0	24,3	10 919 34000	193,96				
34,5	24,3	10 919 34500	193,96				
35,0	24,3	10 919 35000	193,96				
35,5	26,3	10 919 35500	221,85				
36,0	26,3	10 919 36000	221,85				
36,5	26,3	10 919 36500	221,85				
37,0	26,3	10 919 37000	221,85				
37,5	26,3	10 919 37500	221,85				
38,0	26,3	10 919 38000	221,85				
38,5	26,3	10 919 38500	241,14				
39,0	26,3	10 919 39000	241,14				
39,5	26,3	10 919 39500	241,14				
40,0	26,3	10 919 40000	241,14				
40,5	26,3	10 919 40500	241,14				
41,0	26,3	10 919 41000	241,14				

Steel	●	○	
Stainless steel		●	
Cast iron	●	○	
Non ferrous metals			●
Heat resistant alloys			

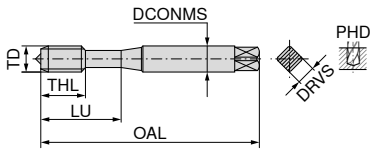
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Through hole – Machine taps, right hand

M | Stabil

WNT \ Performance

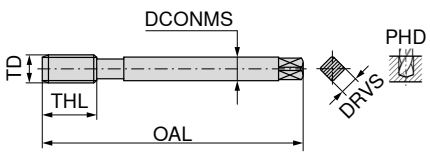


DIN 371 with reinforced shank

	UNI	VA
	B 4–5	B 4–5
	ISO 2 6H	ISO 2 6H
	nitr. + vap.	nitr.
		
	HSS-E	HSS-E
	◁ 0° ≤ 1100 N/mm² ≤ 4xD	◁ 0° ≤ 900 N/mm² ≤ 4xD

TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU	Flutes	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm					
M1	0,25	40	2,5	2,1	0,75	5	13	2	22 501 010 1)	93,03		
M1,2	0,25	40	2,5	2,1	0,95	5	13	2	22 501 012 1)	89,58		
M1,4	0,30	40	2,5	2,1	1,10	7	13	3	22 501 014 1)	79,71		
M1,6	0,35	40	2,5	2,1	1,25	8	11	3	22 501 016	56,53		
M1,7	0,35	40	2,5	2,1	1,35	6	11	2	22 501 017	86,58		
M1,8	0,35	40	2,5	2,1	1,45	6	11	2	22 501 018	120,04		
M2	0,40	45	2,8	2,1	1,60	7	12	3	22 501 020	41,60		
M2	0,40	45	2,8	2,1	1,60	7	12	2			22 056 020	32,09
M2,2	0,45	45	2,8	2,1	1,75	7	12	2	22 501 022	43,08		
M2,5	0,45	50	2,8	2,1	2,05	9	14	2	22 501 025	40,58	22 056 025	30,86
M3	0,50	56	3,5	2,7	2,50	11	18	3	22 501 030	26,97	22 056 030	25,36
M3,5	0,60	56	4,0	3,0	2,90	12	20	3	22 501 035	33,24	22 056 035	35,56
M4	0,70	63	4,5	3,4	3,30	13	21	3	22 501 040	23,79	22 056 040	26,60
M5	0,80	70	6,0	4,9	4,20	15	25	3	22 501 050	24,94	22 056 050	28,14
M6	1,00	80	6,0	4,9	5,00	17	30	3	22 501 060	24,94	22 056 060	29,39
M7	1,00	80	7,0	5,5	6,00	17	30	3	22 501 070	40,19		
M8	1,25	90	8,0	6,2	6,80	20	35	3	22 501 080	29,54	22 056 080	31,99
M10	1,50	100	10,0	8,0	8,50	22	39	3	22 501 100	35,43	22 056 100	39,14
M12	1,75	110	12,0	9,0	10,20	24	44	3	22 501 120	49,13		

1) Tol. ISO 1 4H ≤ M1.4



DIN 376 with reduced shank

	UNI	VA
	B 4–5	B 4–5
	ISO 2 6H	ISO 2 6H
	nitr. + vap.	nitr.
		
	HSS-E	HSS-E
	◁ 0° ≤ 1100 N/mm² ≤ 4xD	◁ 0° ≤ 900 N/mm² ≤ 4xD

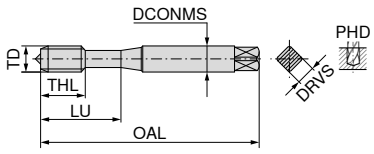
TD	TP	OAL	DCONMS	DRVS	PHD	THL	Flutes	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm					
M3	0,50	56	2,2		2,5	11	3	22 502 030	54,65		
M4	0,70	63	2,8	2,1	3,3	13	3	22 502 040	36,37		
M5	0,80	70	3,5	2,7	4,2	15	3	22 502 050	34,17		
M6	1,00	80	4,5	3,4	5,0	17	3	22 502 060	34,31		
M8	1,25	90	6,0	4,9	6,8	20	3	22 502 080	38,05		
M10	1,50	100	7,0	5,5	8,5	22	3	22 502 100	44,65		
M12	1,75	110	9,0	7,0	10,2	24	3	22 502 120	43,98	22 057 120	49,54
M14	2,00	110	11,0	9,0	12,0	26	3	22 502 140	55,62	22 057 140	68,51
M16	2,00	110	12,0	9,0	14,0	27	3	22 502 160	61,71	22 057 160	70,10
M18	2,50	125	14,0	11,0	15,5	30	3	22 502 180	115,71	22 057 180	171,67
M20	2,50	140	16,0	12,0	17,5	32	3	22 502 200	91,81	22 057 200	102,20
M22	2,50	140	18,0	14,5	19,5	32	3	22 502 220	155,61	22 057 220	269,30
M24	3,00	160	18,0	14,5	21,0	34	3	22 502 240	122,71	22 057 240	140,49
M27	3,00	160	20,0	16,0	24,0	36	3	22 502 270	175,90	22 057 270	294,62
M30	3,50	180	22,0	18,0	26,5	40	4	22 502 300	199,68	22 057 300	226,91
M33	3,50	180	25,0	20,0	29,5	40	4	22 502 330	497,77		
M36	4,00	200	28,0	22,0	32,0	50	4	22 502 360	573,08		
M42	4,50	200	32,0	24,0	37,5	56	4	22 502 420	1.088,41		
M48	5,00	250	36,0	29,0	43,0	65	4	22 502 480	1.149,60		

Steel	6-20	
Stainless steel	4-8	5-10
Cast iron	6-15	
Non ferrous metals		
Heat resistant alloys		
Hardened materials		

Blind hole – Machine taps, right hand

M | Salo-Rex

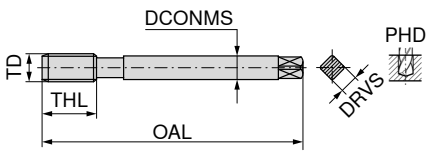
WNT \ Performance



DIN 371 with reinforced shank

	UNI	VA
	C 2–3	C 2–3
	ISO 2 6H	ISO 2 6H
	vap.	vap.
		
	HSS-E	HSS-E
	◁ 42° ≤ 1100 N/mm² ≤ 3xD	◁ 42° ≤ 900 N/mm² ≤ 3xD

TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU	Flutes	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm					
M2	0,40	45	2,8	2,1	1,60	4,0	12	2	22 518 020	32,45	22 090 020	48,77
M2,2	0,45	45	2,8	2,1	1,75	4,5	12	2	22 518 022	36,56		
M2,3	0,40	45	2,8	2,1	1,90	4,5	12	2	22 518 023	39,64		
M2,5	0,45	50	2,8	2,1	2,05	5,0	15	2	22 518 025	30,43	22 090 025	39,27
M2,6	0,45	50	2,8	2,1	2,15	5,0	15	2	22 518 026	37,60		
M3	0,50	56	3,5	2,7	2,50	6,0	18	3	22 518 030	27,76	22 090 030	29,39
M3,5	0,60	56	4,0	3,0	2,90	7,0	20	3	22 518 035	29,80		
M4	0,70	63	4,5	3,4	3,30	7,0	21	3	22 518 040	28,26	22 090 040	30,43
M5	0,80	70	6,0	4,9	4,20	8,0	25	3	22 518 050	28,23	22 090 050	30,82
M6	1,00	80	6,0	4,9	5,00	10,0	30	3	22 518 060	29,39	22 090 060	30,73
M7	1,00	80	7,0	5,5	6,00	10,0	30	3	22 518 070	44,87		
M8	1,25	90	8,0	6,2	6,80	14,0	35	3	22 518 080	33,37	22 090 080	35,88
M10	1,50	100	10,0	8,0	8,50	16,0	39	3	22 518 100	40,91	22 090 100	43,85
M12	1,75	110	12,0	9,0	10,20	18,0	44	3	22 518 120	46,79		



DIN 376 with reduced shank

	UNI	VA
	C 2–3	C 2–3
	ISO 2 6H	ISO 2 6H
	vap.	vap.
		
	HSS-E	HSS-E
	◁ 42° ≤ 1100 N/mm² ≤ 3xD	◁ 42° ≤ 900 N/mm² ≤ 3xD

TD	TP	OAL	DCONMS	DRVS	PHD	THL	Flutes	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm					
M3	0,50	56	2,2		2,5	6	3	22 519 030	46,08		
M4	0,70	63	2,8	2,1	3,3	7	3	22 519 040	43,98		
M5	0,80	70	3,5	2,7	4,2	8	3	22 519 050	33,24		
M6	1,00	80	4,5	3,4	5,0	10	3	22 519 060	34,52		
M8	1,25	90	6,0	4,9	6,8	14	3	22 519 080	38,26		
M10	1,50	100	7,0	5,5	8,5	16	3	22 519 100	48,72		
M12	1,75	110	9,0	7,0	10,2	18	3	22 519 120	51,28		
M12	1,75	110	9,0	7,0	10,2	18	4			22 091 120	54,21
M14	2,00	110	11,0	9,0	12,0	20	4			22 091 140	79,79
M14	2,00	110	11,0	9,0	12,0	20	3	22 519 140	65,71		
M16	2,00	110	12,0	9,0	14,0	22	3	22 519 160	72,35		
M16	2,00	110	12,0	9,0	14,0	22	4			22 091 160	76,84
M18	2,50	125	14,0	11,0	15,5	25	3	22 519 180	104,58		
M20	2,50	140	16,0	12,0	17,5	25	3	22 519 200	108,41		
M20	2,50	140	16,0	12,0	17,5	25	4			22 091 200	114,80
M22	2,50	140	18,0	14,5	19,5	27	5			22 091 220	246,18
M22	2,50	140	18,0	14,5	19,5	27	4	22 519 220	155,61		
M24	3,00	160	18,0	14,5	21,0	30	4	22 519 240	137,15		
M24	3,00	160	18,0	14,5	21,0	30	5			22 091 240	145,74
M27	3,00	160	20,0	16,0	24,0	30	4	22 519 270	180,11		
M30	3,50	180	22,0	18,0	26,5	35	4	22 519 300	231,25		
M30	3,50	180	22,0	18,0	26,5	35	5			22 091 300	308,33
M33	3,50	180	25,0	20,0	29,5	35	4	22 519 330	454,45		
M36	4,00	200	28,0	22,0	32,0	40	4	22 519 360	376,09		

Steel	6-20	
Stainless steel	4-8	5-10
Cast iron	6-15	
Non ferrous metals		
Heat resistant alloys		
Hardened materials		

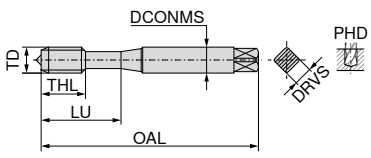
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Through hole / Blind hole – Machine thread formers, right hand

M | Spanlos

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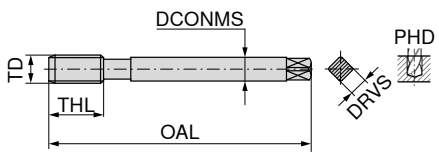


DIN 2174 with reinforced shank

	EC	EC SN
	C 2–3	C 2–3
	ISO 2X 6HX	ISO 2X 6HX
	TiN	TiN
		
	HSS-E	HSS-E
	≤ 1100 N/mm² ≤ 1,5xD	≤ 1100 N/mm² ≤ 3xD

TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU	Flutes	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm					
M1	0,25	40	2,5	2,1	0,90	5	6,5		22 100 010 [1]	70,43		
M1,2	0,25	40	2,5	2,1	1,10	5	6,5		22 100 012 [1]	64,59		
M1,4	0,30	40	2,5	2,1	1,28	6	9,0		22 100 014 [1]	60,83		
M1,6	0,35	40	2,5	2,1	1,47	6	9,0		22 100 016	59,19		
M1,7	0,35	40	2,5	2,1	1,57	6	9,0		22 100 017	60,83		
M2	0,40	45	2,8	2,1	1,85	7	10,0		22 100 020	39,51		
M2	0,40	45	2,8	2,1	1,85	7	10,0	3			22 105 020	46,42
M2,5	0,45	50	2,8	2,1	2,33	9	14,0		22 100 025	40,02		
M2,5	0,45	50	2,8	2,1	2,33	9	14,0	3			22 105 025	43,27
M2,6	0,45	50	2,8	2,1	2,43	9	14,0		22 100 026	42,06		
M3	0,50	56	3,5	2,7	2,80	11	18,0		22 100 030	36,44		
M3	0,50	56	3,5	2,7	2,80	11	18,0	3			22 105 030	40,02
M3,5	0,60	56	4,0	3,0	3,25	12	20,0		22 100 035	34,99		
M3,5	0,60	56	4,0	3,0	3,25	12	20,0	3			22 105 035	43,27
M4	0,70	63	4,5	3,4	3,70	13	21,0		22 100 040	37,33		
M4	0,70	63	4,5	3,4	3,70	13	21,0	4			22 105 040	41,56
M5	0,80	70	6,0	4,9	4,65	15	25,0		22 100 050	39,13		
M5	0,80	70	6,0	4,9	4,65	15	25,0	5			22 105 050	42,96
M6	1,00	80	6,0	4,9	5,60	17	30,0		22 100 060	44,87		
M6	1,00	80	6,0	4,9	5,60	17	30,0	4			22 105 060	49,09
M8	1,25	90	8,0	6,2	7,40	20	35,0		22 100 080	49,35		
M8	1,25	90	8,0	6,2	7,45	20	35,0	5			22 105 080	54,21
M10	1,50	100	10,0	8,0	9,35	22	39,0	6			22 105 100	67,64
M10	1,50	100	10,0	8,0	9,35	22	39,0		22 100 100	62,28		

1) Tol. ISO 1X 4HX ≤ M1.4



DIN 2174 with reduced shank

	EC	EC SN
	C 2–3	C 2–3
	ISO 2X 6HX	ISO 2X 6HX
	TiN	TiN
		
	HSS-E	HSS-E
	≤ 1100 N/mm² ≤ 1,5xD	≤ 1100 N/mm² ≤ 3xD

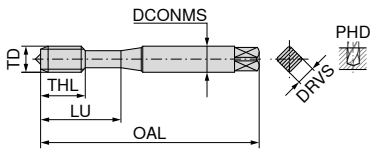
TD	TP	OAL	DCONMS	DRVS	PHD	THL	Flutes	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm					
M12	1,75	110	9	7	11,25	24		22 101 120	76,45		
M12	1,75	110	9	7	11,25	24	6			22 106 120	93,20
M14	2,00	110	11	9	13,10	26	5			22 106 140	162,62
M16	2,00	110	12	9	15,10	27	7			22 106 160	136,53
M16	2,00	110	12	9	15,10	27		22 101 160	114,76		

Steel	8-30	8-30
Stainless steel	8-15	8-15
Cast iron		
Non ferrous metals	10-30	10-30
Heat resistant alloys		
Hardened materials		

Through hole – Machine taps, right hand

M

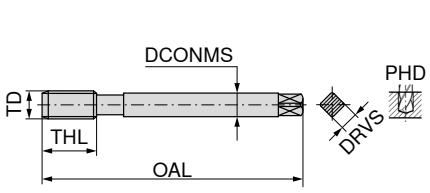
WNT \ Standard



DIN 371 with reinforced shank

	UNI	VA
	B 4–5	B 4–5
	ISO 2 6H	ISO 2 6H
	TiN	nitr.
		
	POWDERSTEEL	POWDERSTEEL
	HSS-PM	HSS-PM
	0° ≤ 1000 N/mm² ≤ 3xD	0° ≤ 1200 N/mm² ≤ 3xD

TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU	Flutes	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm					
M2	0,40	45	2,8	2,1	1,6	4	13,5	2	23 010 020	8,58		
M3	0,50	56	3,5	2,7	2,5	11	18,0	3	23 010 030	10,78	23 450 030	10,05
M4	0,70	63	4,5	3,4	3,3	13	21,0	3	23 010 040	9,83	23 450 040	10,14
M5	0,80	70	6,0	4,9	4,2	15	25,0	3	23 010 050	11,00	23 450 050	11,00
M6	1,00	80	6,0	4,9	5,0	17	30,0	3	23 010 060	13,19	23 450 060	11,09
M8	1,25	90	8,0	6,2	6,8	20	35,0	3	23 010 080	14,64	23 450 080	12,45
M10	1,50	100	10,0	8,0	8,5	22	39,0	3	23 010 100	19,36	23 450 100	14,12



DIN 376 with reduced shank

	UNI	VA
	B 4–5	B 4–5
	ISO 2 6H	ISO 2 6H
	TiN	nitr.
		
	POWDERSTEEL	POWDERSTEEL
	HSS-PM	HSS-PM
	0° ≤ 1000 N/mm² ≤ 3xD	0° ≤ 1200 N/mm² ≤ 3xD

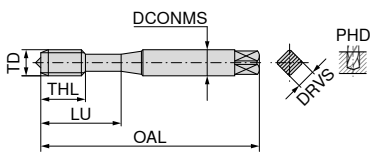
TD	TP	OAL	DCONMS	DRVS	PHD	THL	Flutes	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm					
M12	1,75	110	9	7	10,2	24	3	23 021 120	23,12	23 451 120	25,21
M14	2,00	110	11	9	12,0	26	3			23 451 140	33,39
M14	2,00	110	11	9	12,0	20	4	23 021 140	35,06		
M16	2,00	110	12	9	14,0	27	3	23 021 160	32,55	23 451 160	35,27
M18	2,50	125	14	11	15,5	25	4	23 021 180	57,02		
M20	2,50	140	16	12	17,5	32	3	23 021 200	58,92	23 451 200	52,73

Steel	6-25	
Stainless steel	5-10	3-10
Cast iron	10-20	
Non ferrous metals	12-25	
Heat resistant alloys		
Hardened materials		

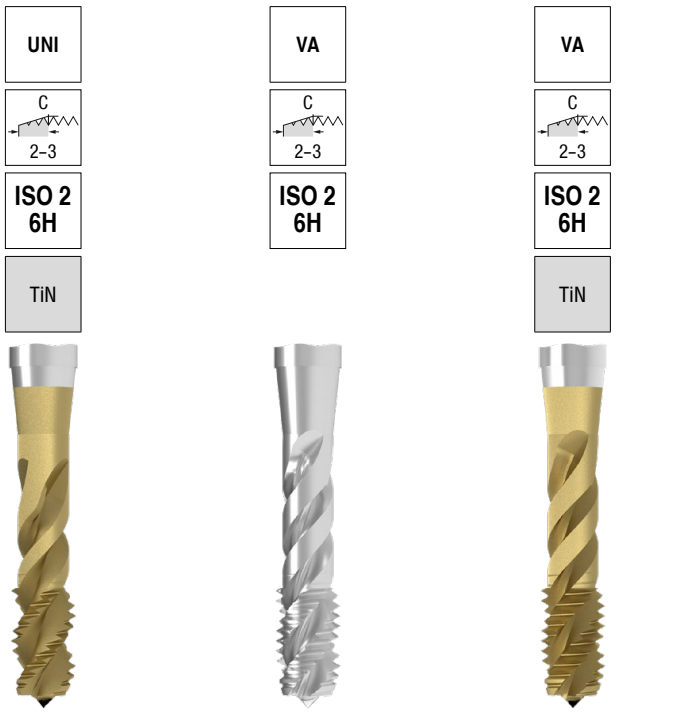
Blind hole – Machine taps, right hand

M

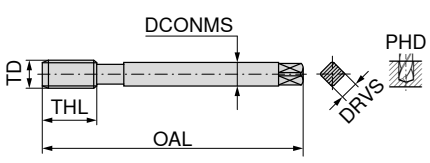
WNT \ Standard



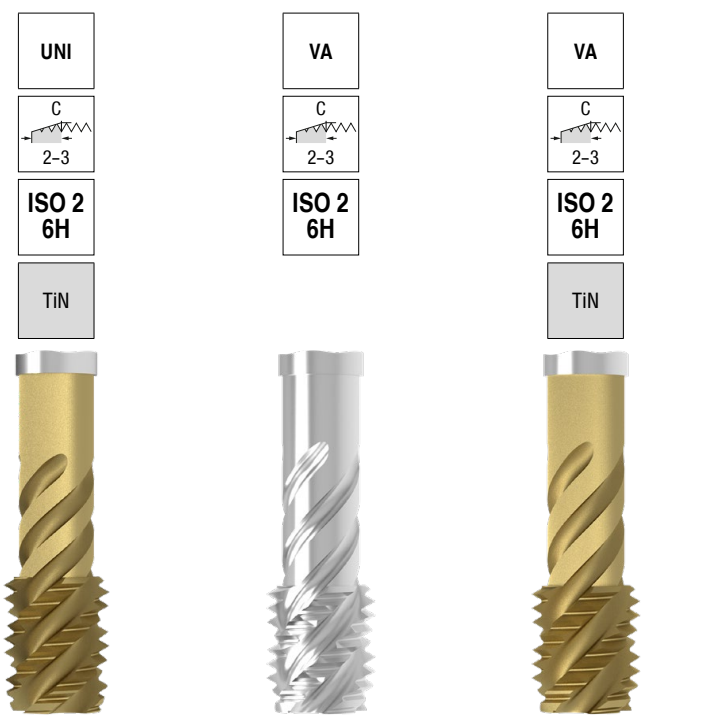
DIN 371 with reinforced shank



TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU	Flutes	Article no.	EUR	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm							
M3	0,50	56	3,5	2,7	2,5	6	18	3	23 026 030	12,24	23 426 030	11,00	23 456 030	12,24
M4	0,70	63	4,5	3,4	3,3	7	21	3	23 026 040	12,24	23 426 040	11,09	23 456 040	13,40
M5	0,80	70	6,0	4,9	4,2	8	25	3	23 026 050	13,19	23 426 050	11,41	23 456 050	13,61
M6	1,00	80	6,0	4,9	5,0	10	30	3	23 026 060	15,27	23 426 060	11,62	23 456 060	17,48
M8	1,25	90	8,0	6,2	6,8	14	35	3	23 026 080	18,11	23 426 080	13,61	23 456 080	18,73
M10	1,50	100	10,0	8,0	8,5	16	39	3	23 026 100	22,81	23 426 100	16,32	23 456 100	25,84

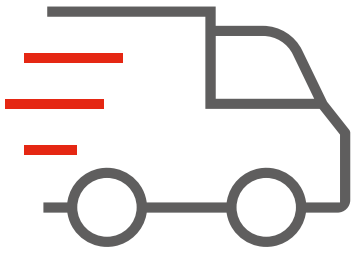


DIN 376 with reduced shank



TD	TP	OAL	DCONMS	DRVS	PHD	THL	Flutes	Article no.	EUR	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm							
M12	1,75	110	9	7,0	10,2	18	4	23 027 120	26,99				
M12	1,75	110	9	7,0	10,2	18	3			23 427 120	26,99	23 457 120	37,05
M14	2,00	110	11	9,0	12,0	20	4	23 027 140	38,82	23 427 140	35,59		
M16	2,00	110	12	9,0	14,0	22	4	23 027 160	38,82				
M16	2,00	110	12	9,0	14,0	22	3			23 427 160	38,72	23 457 160	46,56
M20	2,50	140	16	12,0	17,5	25	3	23 027 200	44,47	23 427 200	57,66	23 457 200	92,49
M24	3,00	160	18	14,5	21,0	30	4			23 427 240	72,93		

	POWDERSTEEL HSS-PM	POWDERSTEEL HSS-PM	POWDERSTEEL HSS-PM
	◁ 50° ≤ 1000 N/mm² ≤ 2,5xD	◁ 40° ≤ 1200 N/mm² ≤ 2,5xD	◁ 40° ≤ 1200 N/mm² ≤ 2,5xD
Steel	**6-25**		
Stainless steel	**5-10**	**3-10**	**8-20**
Cast iron	**10-20**		
Non ferrous metals	**12-25**		
Heat resistant alloys			
Hardened materials			



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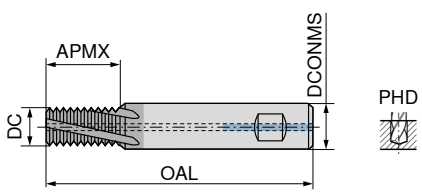
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Freephone: 1800 93 22 55

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http://cuttingtools.ceratizit.com

Thread milling cutter

▲ Profile corrected
▲ Hard machining to Ø DC = 4 mm possible

SGF | IR/IL | ≤ 2xD | 60° | M



Ti500



WNT \ Standard

HB
Solid carbide

DC	Thread	TP	APMX	DCONMS h6	OAL	ZEFP	PHD	Article no.	EUR
mm		mm	mm	mm	mm		mm		
2,40	M3	0,50	6,5	4	42	2	2,50	54 800 030 1)	79,15
3,15	M4	0,70	9,0	6	55	3	3,30	54 800 040 2)	79,15
4,00	M5	0,80	11,0	6	55	3	4,20	54 800 050 2)	79,15
4,80	M6	1,00	13,0	6	55	3	5,00	54 800 060 2)	79,15
6,00	M8	1,25	18,0	6	60	3	6,75	54 800 080	83,09
8,00	M10	1,50	21,0	8	70	3	8,50	54 800 100	100,46
9,90	M12	1,75	26,0	10	75	4	10,25	54 800 120	121,46
11,60	M14	2,00	30,0	12	85	4	12,00	54 800 140	140,64
12,00	M16	2,00	34,0	12	85	4	14,00	54 800 160	147,03
14,00	M18	2,50	40,0	14	90	4	15,50	54 800 180	174,11
16,00	M20	2,50	42,0	16	90	4	17,50	54 800 200	180,81

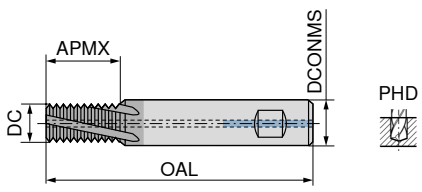
Steel	●
Stainless steel	●
Cast iron	●
Non ferrous metals	●
Heat resistant alloys	●
Hardened materials	●

1) DIN 6535 HA Shank / Without Through Coolant
2) Without Through Coolant

Thread milling cutter

▲ Profile corrected
▲ Hard machining to Ø DC = 4 mm possible

SGF | IR/IL | ≤ 2xD | 60° | MF



Ti500



WNT \ Standard

HB
Solid carbide

DC	Thread	TP	APMX	DCONMS h6	OAL	ZEFP	PHD	Article no.	EUR
mm		mm	mm	mm	mm		mm		
4,0	M5	0,50	11	6	55	3	4,50	54 802 050 1)	79,15
4,8	M6	0,75	13	6	55	3	5,25	54 802 060 1)	79,15
6,0	M8	1,00	18	6	60	3	7,00	54 802 080	83,09
8,0	M10	1,25	21	8	70	3	8,75	54 802 100	100,46
9,9	M12	1,50	26	10	75	4	10,50	54 802 122	121,46
9,9	M12	1,25	26	10	75	4	10,75	54 802 121	121,46
9,9	M12	1,00	26	10	75	4	11,00	54 802 120	121,46
11,6	M14	1,50	30	12	85	4	12,50	54 802 141	140,64
11,6	M14	1,00	30	12	85	4	13,00	54 802 140	140,64
12,0	M16	1,50	34	12	85	4	14,50	54 802 160	147,03
14,0	M18	1,50	40	14	90	4	16,50	54 802 180	174,11
16,0	M20	1,50	42	16	90	4	18,50	54 802 200	180,81

Steel	●
Stainless steel	●
Cast iron	●
Non ferrous metals	●
Heat resistant alloys	●
Hardened materials	●

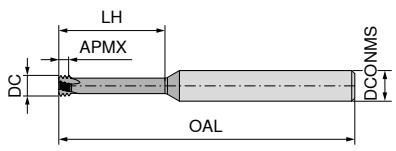
1) DIN 6535 HA Shank / Without Through Coolant

Please Note: G, UNF, NPT, BSF, BSW, Pg and UN also available in the main catalogue.

Circular shank thread milling cutter

▲ Available on request from M1

SGF | IR/IL | ≤ 3xD | 60° | M



Ti600



WNT \ Performance

HA
Solid carbide

DC	Thread	TP	OAL	APMX	LH	DCONMS h6	ZEFP	Article no.	EUR
mm		mm	mm	mm	mm	mm			
1,53	M2	0,40	39	0,80	6,0	3	3	50 802 02000	72,04
2,37	M3	0,50	58	1,35	9,5	6	3	50 802 03000	72,04
3,10	M4	0,70	58	1,95	12,5	6	3	50 802 04000	72,04
3,80	M5	0,80	58	2,30	16,0	6	3	50 802 05000	72,04
4,65	M6	1,00	58	2,70	20,0	6	3	50 802 06000	72,04
6,00	M8	1,25	58	3,20	24,0	6	3	50 802 08000	72,04
7,80	M10	1,50	64	3,80	31,5	8	3	50 802 10000	89,77
9,00	M12	1,75	73	4,55	37,8	10	3	50 802 12000	100,91

≤ 4xD | 60° | M

HA
Solid carbide

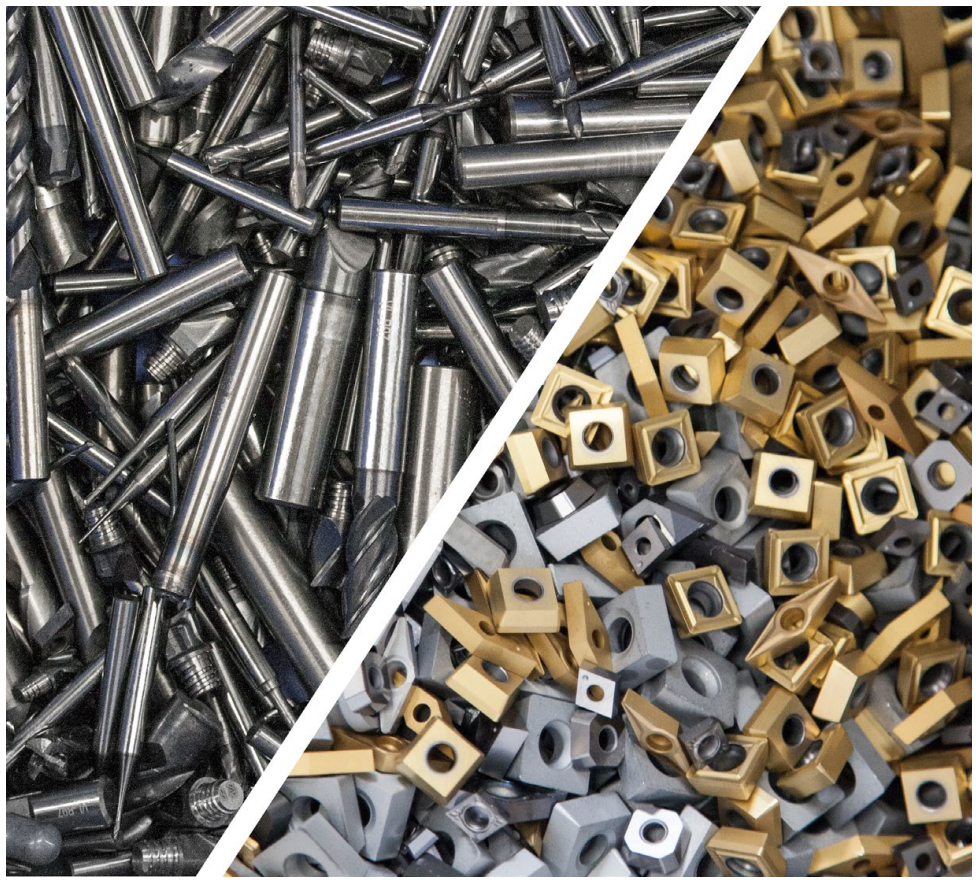
DC	Thread	TP	OAL	APMX	LH	DCONMS h6	ZEFP	Article no.	EUR
mm		mm	mm	mm	mm	mm			
1,53	M2	0,40	39	1,00	10,4	3	3	50 803 02000	81,08
2,40	M3	0,50	39	1,30	12,5	3	3	50 803 03000	77,47
3,10	M4	0,70	58	1,80	16,7	6	3	50 803 04000	77,47
4,00	M5	0,80	58	2,10	20,8	6	3	50 803 05000	77,47
4,80	M6	1,00	58	2,55	25,0	6	3	50 803 06000	77,47
6,40	M8	1,25	64	3,15	33,5	8	3	50 803 08000	96,04
8,00	M10	1,50	76	3,85	41,5	8	3	50 803 10000	96,04

Steel	●
Stainless steel	●
Cast iron	●
Non ferrous metals	●
Heat resistant alloys	●
Hardened materials	

We come full circle

Our recycling service

Our joint contribution for the good of the environment: we take back your carbide and process it appropriately. You receive a credit from us that you can redeem with your next tool purchase.



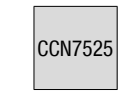
Right hand external thread turning insert

- Full profile
- CCN7525 grade with sintered chip breaker for universal application

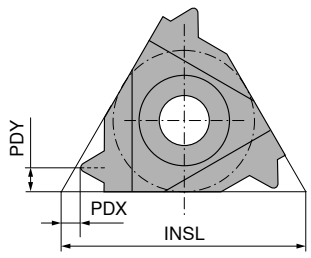


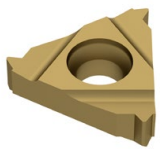


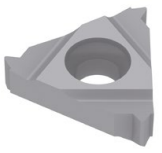


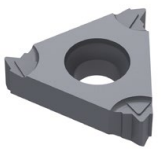


WNT \ Performance



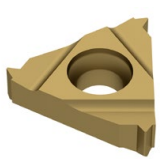


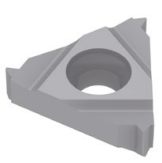


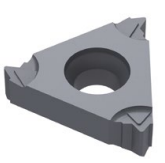


Designation	TP	INSL	PDX	PDY	ER Article no.	EUR	ER Article no.	EUR	ER Article no.	EUR
	mm	mm	mm	mm						
16 ER 0,35	0,35	16	0,8	0,4			71 220 734	16,80		
16 ER 0,4	0,40	16	0,7	0,4			71 220 736	16,80		
16 ER 0,5	0,50	16	0,6	0,6	71 220 140	11,53	71 220 740	13,08	71 220 940	13,08
16 ER 0,7	0,70	16	0,6	0,6	71 220 141	12,76	71 220 741	13,51		
16 ER 0,75	0,75	16	0,6	0,6	71 220 142	11,98	71 220 742	13,08	71 220 942	13,08
16 ER 0,8	0,80	16	0,6	0,6	71 220 143	11,98	71 220 743	13,08	71 220 943	13,08
16 ER 1,0	1,00	16	0,7	0,7	71 220 144	11,19	71 220 744	12,76	71 220 944	12,76
16 ER 1,25	1,25	16	0,8	0,9	71 220 146	11,19	71 220 746	12,76	71 220 946	12,76
16 ER 1,5	1,50	16	0,8	1,0	71 220 148	11,19	71 220 748	12,76	71 220 948	12,76
16 ER 1,75	1,75	16	0,9	1,2	71 220 150	11,19	71 220 750	12,76		
16 ER 2,0	2,00	16	1,0	1,3	71 220 152	11,19	71 220 752	12,76	71 220 952	12,76
16 ER 2,5	2,50	16	1,1	1,5	71 220 154	11,19	71 220 754	12,76	71 220 954	12,76
16 ER 3,0	3,00	16	1,2	1,6	71 220 156	11,19	71 220 756	12,76	71 220 956	12,76
22 ER 3,5	3,50	22	1,6	2,3	71 220 170	17,47	71 220 770	19,22		
22 ER 4,0	4,00	22	1,6	2,3	71 220 172	18,22	71 220 772	20,26		
22 ER 4,5	4,50	22	1,7	2,4	71 220 174	19,65	71 220 774	21,40		
22 ER 5,0	5,00	22	1,7	2,5	71 220 176	19,65	71 220 776	21,40		
22 ER 5,5	5,50	22	1,7	2,6	71 220 178	19,65				
22 ER 6,0	6,00	22	1,9	2,7	71 220 180	19,65	71 220 780	21,40		









Designation	TPI	INSL	PDX	PDY	ER Article no.	EUR	ER Article no.	EUR	ER Article no.	EUR
	1/"	mm	mm	mm						
16 ER 8	8	16	1,1	1,5	71 264 174	17,89				
16 ER 8	8	16	1,1	1,1					71 264 974	19,22
16 ER 11	11	16	1,1	1,5	71 264 168	17,89				
16 ER 12	12	16	1,1	1,4	71 264 164	14,49	71 264 764	16,10		
16 ER 14	14	16	1,0	1,2	71 264 160	14,49	71 264 760	16,10		
16 ER 16	16	16	0,9	1,1	71 264 158	13,71	71 264 758	15,33	71 264 958	15,33
16 ER 18	18	16	0,8	1,0	71 264 156	14,49	71 264 756	16,10		
16 ER 20	20	16	0,8	0,9	71 264 154	13,71	71 264 754	15,33	71 264 954	15,33
16 ER 24	24	16	0,7	0,8	71 264 152	14,49	71 264 752	16,10		
16 ER 28	28	16	0,6	0,7			71 264 748	17,56		
16 ER 32	32	16	0,6	0,6			71 264 746	18,80		

Steel	●	○	●
Stainless steel	○	●	●
Cast iron	●	○	●
Non ferrous metals	●	○	○
Heat resistant alloys		○	●



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FreeTurn

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FreeTurn generation!

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MM MaschinenMarkt AWARD AMB 2018

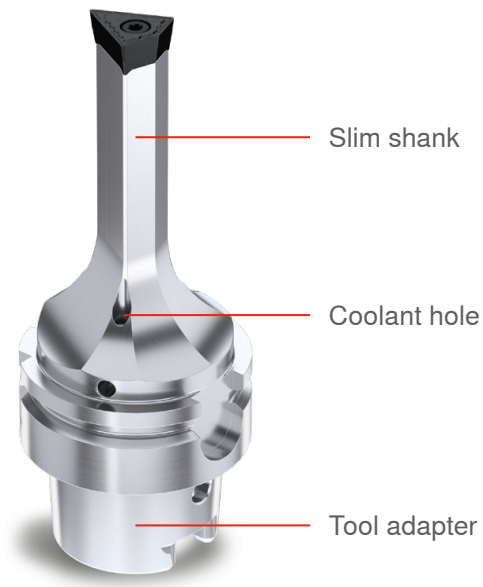
BEST OF INDUSTRY AWARD

High Dynamic Turning (HDT)

With High Dynamic Turning, HDT for short, and the dynamic FreeTurn turning tools, CERATIZIT is turning the conventional method of turning completely on its head. All familiar turning operations such as roughing, finishing, contour turning, facing and longitudinal turning can now be completed using just one tool.



Conventional application: **5 tools**



Application with FreeTurn: **1 tool**

Productivity

- Almost all workpiece contours can be machined
- 40 % higher feed rate value
- Up to 90 % fewer empty runs
- Adjustable feed rates during the process
- Improved surface quality thanks to ideal adjustment of the approach angle
- The versatility of the FreeTurn means fewer tool changes
- Fewer tool spaces required in the machine

Flexibility

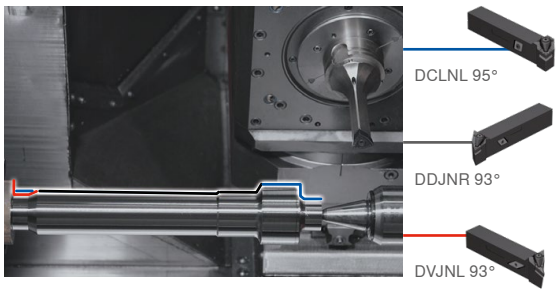
- Turning with just one tool
- Huge savings on tool types
- No tool changes = huge time savings
- Indexable inserts with up to three ISO geometries can be used on one holder
- An indexable insert with multiple cutters can consist of different point angles, flanging radii, chip breakers, coatings and cutting materials and can be customised for use.

Time comparison

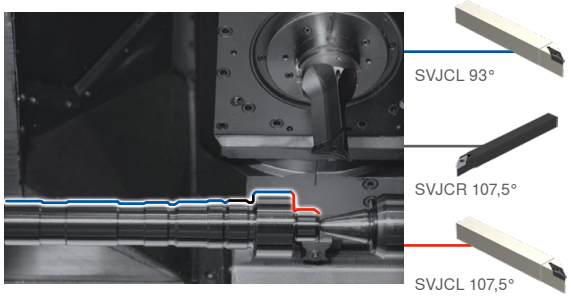
Material 42CrMo4

Dynamic cutting parameters in the process based on catalogue cutting data

Roughing



Finishing



Conventional production

Conventional production time for a single part with six different tools

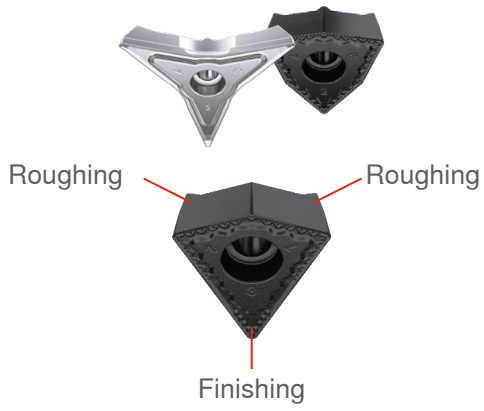
= **3:32 minutes**

Production with FreeTurn

Production time for a single part with the HDT

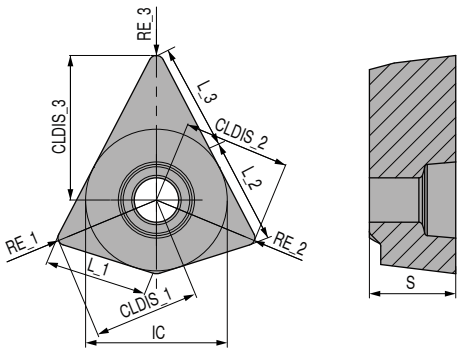
= **2:50 minutes**

25 %
Time savings



Follow our video: A time comparison between conventional machining and the HDT. You'll be amazed!

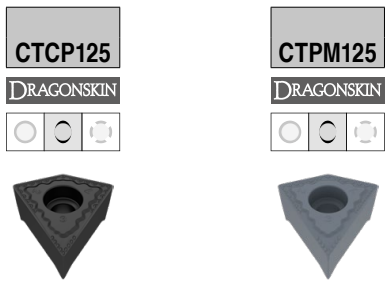
FT15 . 808055...



Designation	IC	CLDIS_1	L_1	CLDIS_2	L_2	CLDIS_3	L_3	S
	mm	mm	mm	mm	mm	mm	mm	mm
FT15 M 808055R080804-MMF	15	11,22	10,8	11,22	11,4	15,78	11,4	9,14
FT15 M 808055R08-MMF	15	11,22	10,8	11,22	11,2	15,31	11,2	9,14
FT15 M 808055R121208-MMF	15	11,00	10,7	11,00	11,2	15,31	11,2	9,14

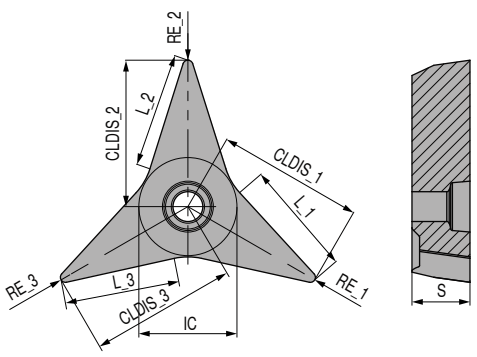
FT15 . 808055...

CERATIZIT \ Performance



ISO	RE_1	RE_2	RE_3	M M F Article no.	EUR	M M F Article no.	EUR
	mm	mm	mm				
FT15 M 808055R080804-MMF	0,8	0,8	0,4	74 003 00400	17,23		
FT15 M 808055R08-MMF	0,8	0,8	0,8	74 003 00200	17,23	74 003 10200	17,23
FT15 M 808055R121208-MMF	1,2	1,2	0,8	74 003 00600	17,23		
Steel				●		○	
Stainless steel				○		●	
Cast iron				○			
Non ferrous metals							
Heat resistant alloys							

FT15 . 353535...



Designation	IC	CLDIS_1	L_1	CLDIS_2	L_2	CLDIS_3	L_3	S
	mm	mm	mm	mm	mm	mm	mm	mm
FT15 G 353535R04-28P	15	24,01	16,1	24,01	16,1	24,01	16,1	9,14
FT15 G 353535R08-28P	15	23,08	15,2	23,08	15,2	23,08	15,2	9,14

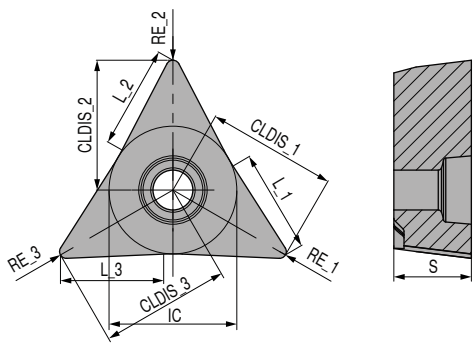
FT15 . 353535...

CERATIZIT \ Performance



ISO	RE_1	RE_2	RE_3	F F F Article no.	EUR
	mm	mm	mm		
FT15 G 353535R04-28P	0,4	0,4	0,4	74 001 20200	28,79
FT15 G 353535R08-28P	0,8	0,8	0,8	74 001 20400	28,79
Steel					
Stainless steel					
Cast iron					
Non ferrous metals				●	
Heat resistant alloys					

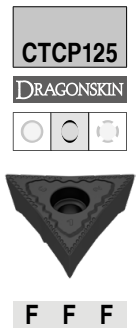
FT15 . 555555...

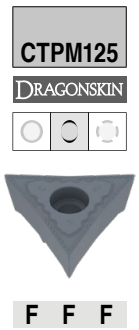


Designation	IC	CLDIS_1	L_1	CLDIS_2	L_2	CLDIS_3	L_3	S
	mm	mm	mm	mm	mm	mm	mm	mm
FT15 M 555555R04-FFF	15	15,78	12,6	15,78	12,6	15,78	12,6	9,14
FT15 M 555555R08-FFF	15	15,31	12,3	15,31	12,3	15,31	12,3	9,14

FT15 . 555555...

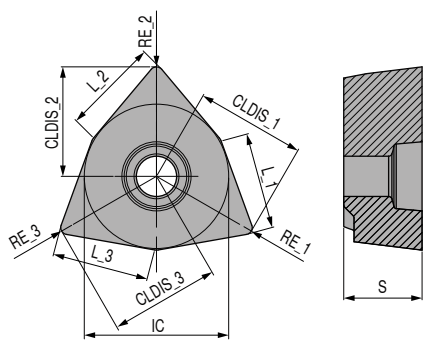
CERATIZIT \ Performance





ISO	RE_1	RE_2	RE_3	F F F Article no.	EUR	F F F Article no.	EUR
	mm	mm	mm				
FT15 M 555555R04-FFF	0,4	0,4	0,4	74 002 00200	14,82		
FT15 M 555555R08-FFF	0,8	0,8	0,8	74 002 00400	14,82	74 002 10400	14,82
Steel				●		○	
Stainless steel				○		●	
Cast iron				○			
Non ferrous metals							
Heat resistant alloys							

FT17 . 808080...



Designation	IC	CLDIS_1	L_1	CLDIS_2	L_2	CLDIS_3	L_3	S
	mm	mm	mm	mm	mm	mm	mm	mm
FT17 M 808080R04-MMM	17	13,00	11,3	13,00	11,3	13,00	11,3	9,14
FT17 M 808080R08-MMM	17	12,78	11,3	12,78	11,3	12,78	11,3	9,14
FT17 M 808080R12-MMM	17	12,56	11,2	12,56	11,2	12,56	11,2	9,14

FT17 . 808080...

CERATIZIT \ Performance





ISO	RE_1	RE_2	RE_3	M M M Article no.	EUR	M M M Article no.	EUR
	mm	mm	mm				
FT17 M 808080R04-MMM	0,4	0,4	0,4	74 000 00200	19,88		
FT17 M 808080R08-MMM	0,8	0,8	0,8	74 000 00400	19,88	74 000 10400	19,88
FT17 M 808080R12-MMM	1,2	1,2	1,2	74 000 00600	19,88		
Steel				●		○	
Stainless steel				○		●	
Cast iron				○			
Non ferrous metals							
Heat resistant alloys							

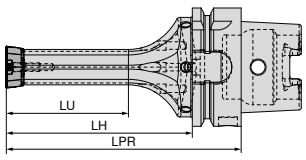
Customer Service Centre
Freephone: 1800 93 22 55

Ordering via the Online Shop
http://cuttingtools.ceratizit.com

FreeTurn – HSK-T tool holder FT15

- Tool holder for FreeTurn indexable insert
- DirectCooling coolant supply

CERATIZIT \ Performance







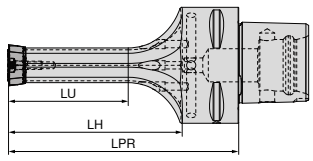
Figures show version FT15 . 808055...

ISO designation	Adapter	LPR	LH	LU	Insert	Article no.	
		mm	mm	mm			EUR
HSK-T63-100-FT15 353535	HSK-T 63	100	74	40	FT15 . 353535...	74 700 00137	556,34
HSK-T63-100-FT15 555555	HSK-T 63	100	74	40	FT15 . 555555...	74 700 00337	556,34
HSK-T63-100-FT15 808055	HSK-T 63	100	74	40	FT15 . 808055...	74 700 00537	556,34
HSK-T63-125-FT15 353535	HSK-T 63	125	99	65	FT15 . 353535...	74 700 00237	566,29
HSK-T63-125-FT15 555555	HSK-T 63	125	99	65	FT15 . 555555...	74 700 00437	566,29
HSK-T63-125-FT15 808055	HSK-T 63	125	99	65	FT15 . 808055...	74 700 00637	566,29

FreeTurn – PSC tool holder FT15

- Tool holder for FreeTurn indexable insert
- DirectCooling coolant supply

CERATIZIT \ Performance







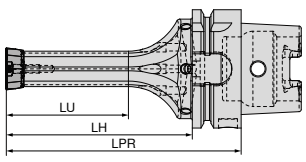
Figures show version FT15 . 808055...

ISO designation	Adapter	LPR	LH	LU	Insert	Article no.	
		mm	mm	mm			EUR
PSC-63-100-FT15 353535	PSC 63	100	69,4	40	FT15 . 353535...	74 700 00193	645,92
PSC-63-100-FT15 555555	PSC 63	100	69,6	40	FT15 . 555555...	74 700 00393	645,92
PSC-63-100-FT15 808055	PSC 63	100	69,3	40	FT15 . 808055...	74 700 00593	645,92
PSC-63-125-FT15 353535	PSC 63	125	94,4	65	FT15 . 353535...	74 700 00293	655,86
PSC-63-125-FT15 555555	PSC 63	125	94,6	65	FT15 . 555555...	74 700 00493	655,86
PSC-63-125-FT15 808055	PSC 63	125	94,3	65	FT15 . 808055...	74 700 00693	655,86

FreeTurn – HSK-T tool holder FT17

- Tool holder for FreeTurn indexable insert
- DirectCooling coolant supply

CERATIZIT \ Performance





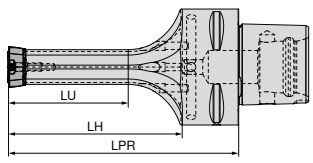


ISO designation	Adapter	LPR	LH	LU	Insert	Article no.	
		mm	mm	mm			EUR
HSK-T63-100-FT17 808080	HSK-T 63	100	74	40	FT17 . 808080...	74 701 00737	556,34
HSK-T63-125-FT17 808080	HSK-T 63	125	99	65	FT17 . 808080...	74 701 00837	566,29

FreeTurn – PSC tool holder FT17

- Tool holder for FreeTurn indexable insert
- DirectCooling coolant supply

CERATIZIT \ Performance







ISO designation	Adapter	LPR	LH	LU	Insert	Article no.	
		mm	mm	mm			EUR
PSC-63-100-FT17 808080	PSC 63	100	69,3	40	FT17 . 808080...	74 701 00793	645,92
PSC-63-125-FT17 808080	PSC 63	125	94,3	65	FT17 . 808080...	74 701 00893	655,86



Clamping screw

Spare parts			
		Article no.	
Adapter		EUR	
HSK-T 63 + PSC	M4,5x18 - IP	7,30	70 950 25900

Cutting data standard values

				F		M		-28P
				DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN
				CTCP125	CTPM125	CTCP125	CTPM125	H216T
	Index	Material	Strength N/mm² / HB / HRC	v_c in m/min		v_c in m/min		v_c in m/min
P	1.1	General construction steel	< 800 N/mm²	**200–270**	120–260	**200–260**	120–250	
	1.2	Free cutting steel	< 800 N/mm²	**230–280**	130–220	**230–280**	120–220	
	1.3	Hardened steel, non alloyed	< 800 N/mm²	**240–290**	130–250	**240–290**	120–250	
	1.4	Alloyed hardened steel	< 1000 N/mm²	**200–270**	130–220	**200–250**	130–200	
	1.5	Tempering steel, unalloyed	< 850 N/mm²	**220–260**	100–180	**210–250**	100–170	
	1.6	Tempering steel, unalloyed	< 1000 N/mm²	**210–250**	100–180	**190–240**	100–170	
	1.7	Tempering steel, alloyed	< 800 N/mm²	**210–280**	60–180	**200–270**	50– 160	
	1.8	Tempering steel, alloyed	< 1300 N/mm²	**190–240**	60–180	**180–230**	50– 160	
	1.9	Steel castings	< 850 N/mm²	**170–240**	80–180	**160–220**	60– 160	
	1.10	Nitriding steel	< 1000 N/mm²	**180–240**	100–180	**180–230**	100–180	
	1.11	Nitriding steel	< 1200 N/mm²	**170–240**	100–180	**170–240**	80–180	
	1.12	Roller bearing steel	< 1200 N/mm²	**200–270**	80–180	**190–260**	70–170	
	1.13	Spring steel	< 1200 N/mm²	**170–240**	60–180	**170–230**	60–170	
	1.14	High-speed steel	< 1300 N/mm²	**180–230**	80–180	**170–210**	70–160	
	1.15	Cold working tool steel	< 1300 N/mm²	**150–230**	80–150	**130–220**	60–120	
	1.16	Hot working tool steel	< 1300 N/mm²	**140–220**	80–150	**130–220**	60–120	
M	2.1	Cast steel and sulphured stainless steel	< 850 N/mm²	200–280	**200–280**	200–280	**120–280**	
	2.2	Stainless steel, ferritic	< 750 N/mm²	200–280	**200–280**	200–280	**120–280**	
	2.3	Stainless steel, martensitic	< 900 N/mm²	190–260	**190–260**	190–260	**120–260**	
	2.4	Stainless steel, ferritic / martensitic	<1100 N/mm²	190–240	**190–240**	190–240	**120–240**	
	2.5	Stainless steel, austenitic / ferritic	< 850 N/mm²		**100–220**		**100–220**	
	2.6	Stainless steel, austenitic	< 750 N/mm²		**100–220**		**100–220**	
	2.7	Heat resistant steel	< 1100 N/mm²		**40–100**		**40–100**	
K	3.1	Grey cast iron with lamellar graphite	100–350 N/mm²	200–260		120–210		
	3.2	Grey cast iron with lamellar graphite	300–500 N/mm²	190–250		160–200		
	3.3	Gray cast iron with spheroidal graphite	300–500 N/mm²	170–240		150–200		
	3.4	Gray cast iron with spheroidal graphite	500–900 N/mm²	140–190		130–190		
	3.5	White malleable cast iron	270–450 N/mm²	240–290		160–230		
	3.6	White malleable cast iron	500–650 N/mm²	170–290		150–210		
	3.7	Black malleable cast iron	300–450 N/mm²	240–290		160–230		
	3.8	Black malleable cast iron	500–800 N/mm²	170–290		150–210		
N	4.1	Aluminium (non alloyed, low alloyed)	< 350 N/mm²					**300–2500**
	4.2	Aluminium alloys < 0.5 % Si	< 500 N/mm²					**200–2000**
	4.3	Aluminium alloy 0.5–10 % Si	< 400 N/mm²					**400–1500**
	4.4	Aluminium alloys 10–15 % Si	< 400 N/mm²					**400–1500**
	4.5	Aluminum alloys > 15 % Si	< 400 N/mm²					**200–800**
	4.6	Copper (non alloyed, low alloyed)	< 350 N/mm²					**150–300**
	4.7	Copper wrought alloys	< 700 N/mm²					**150–400**
	4.8	Special copper alloys	< 200 HB					**150–400**
	4.9	Special copper alloys	< 300 HB					**150–400**
	4.10	Special copper alloys	> 300 HB					**150–400**
	4.11	Short-chipping brass, bronze, red bronze	< 600 N/mm²					**200–600**
	4.12	Long-chipping brass	< 600 N/mm²					**150–400**
	4.13	Thermoplastics						**100–200**
	4.14	Duroplastics						**80–180**
	4.15	Fibre-reinforced plastics						**60–150**
	4.16	Magnesium and magnesium alloys	< 850 N/mm²					
	4.17	Graphite						
	4.18	Tungsten and tungsten alloys						
	4.19	Molybdenum and molybdenum alloys						**100–140**

-F

RE	f min.	f Recommended	f max.	a_p min.	a_p Recommended	a_p max.
mm		mm/rev.			mm	
0,4	0,07	**0,15**	0,22	0,2	**1**	2
0,8	0,1	**0,2**	0,3	0,4	**1,4**	2,6
1,2						

-M

RE	f min.	f Recommended	f max.	a_p min.	a_p Recommended	a_p max.
mm		mm/rev.			mm	
0,4	0,1	**0,15**	0,22	0,3	**1,3**	2,5
0,8	0,15	**0,22**	0,35	0,5	**2**	3,2
1,2	0,17	**0,25**	0,4	0,5	**2,5**	3,5

-M

RE	f min.	f Recommended	f max.	a_p min.	a_p Recommended	a_p max.
mm		mm/rev.			mm	
0,4	0,1	**0,17**	0,25	0,3	**1,3**	2,5
0,8	0,15	**0,25**	0,4	0,5	**2**	3,2
1,2	0,17	**0,3**	0,5	0,5	**2,5**	3,5

-F

RE	f min.	f Recommended	f max.	a_p min.	a_p Recommended	a_p max.
mm		mm/rev.			mm	
0,4	0,07	**0,12**	0,2	0,2	**1**	2
0,8	0,1	**0,17**	0,27	0,4	**1,4**	2,6
1,2						

-28P

RE	f min.	f Recommended	f max.	a_p min.	a_p Recommended	a_p max.
mm		mm/rev.			mm	
0,4	0,07	**0,15**	0,25	0,3	**1,5**	3,5
0,8	0,15	**0,25**	0,4	0,5	**2**	3,5
1,2						

Correction Factor

Feedrate f [mm/U] should be multiplied by correction factor f_k

Approach angle	Correction Factor
◁	f_k
95° – 120°	0,90
85° – 95°	1,00
85° – 65°	1,10
65° – 30°	1,20

The cutting data depends extremely on the external conditions, e.g. stability of the tool and tool clamping, material and machine type.
The indicated values are possible cutting data which have to be increased or reduced according to the application conditions.



X7-Line

Grade description

CTP X7 10/15

Degree of hardness

10	ISO 10
15	ISO 15
...	

Main application – material

P	Steel
M	Stainless steel
K	Cast iron
N	Light and non ferrous metals
S	Super alloys, titanium
H	Hard materials
X	**Universal application**

Universal application range

P **M** **K** **N** **S**

Application

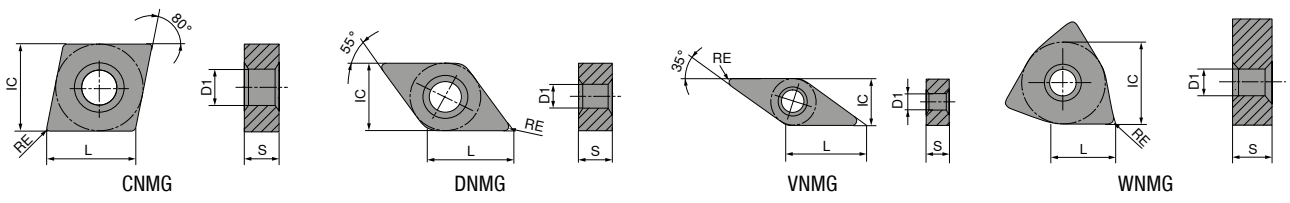
1	Turning
2	Milling
3	Grooving
4	Drilling
5	Thread turning
6	Others
7	Multiple procedures*

*In future multiple procedures possible
turning | grooving | milling

Further information on the product can be found in the UP2DATE January 2020 catalogue on page 28–43

CNMG / DNMG / VNMG / WNMG

Designation	L	S	D1	IC
	mm	mm	mm	mm
CNMG 1204..	12,9	4,76	5,16	12,70
DNMG 1504..	15,5	4,76	5,16	12,70
DNMG 1506..	15,5	6,35	5,16	12,70
VNMG 1604..	16,6	4,76	3,81	9,52
WNMG 0804..	8,6	4,76	5,16	12,70

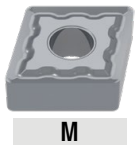


CNMG

CERATIZIT \ Performance

-M34 CTPX710

DRAGONSKIN



M

ISO	RE mm	Article no.	EUR
120404EN	0,4	75 003 62800	9,23
120408EN	0,8	75 003 63000	9,23
120412EN	1,2	75 003 63200	9,23
120416EN	1,6	75 003 63400	9,23

Steel	●
Stainless steel	●
Cast iron	○
Non ferrous metals	○
Heat resistant alloys	●

VNMG

CERATIZIT \ Performance

-M34 CTPX710

DRAGONSKIN



M

ISO	RE mm	Article no.	EUR
160404EN	0,4	75 009 61600	15,85
160408EN	0,8	75 009 61800	15,85
160412EN	1,2	75 009 62000	15,85

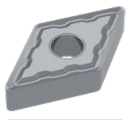
Steel	●
Stainless steel	●
Cast iron	○
Non ferrous metals	○
Heat resistant alloys	●

DNMG

CERATIZIT \ Performance

-M34 CTPX710

DRAGONSKIN



M

ISO	RE mm	Article no.	EUR
150404EN	0,4	75 004 61600	12,75
150408EN	0,8	75 004 61800	12,75
150412EN	1,2	75 004 62000	12,75
150608EN	0,8	75 004 63000	13,85
150612EN	1,2	75 004 63200	13,85

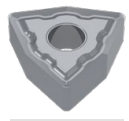
Steel	●
Stainless steel	●
Cast iron	○
Non ferrous metals	○
Heat resistant alloys	●

WNMG

CERATIZIT \ Performance

-M34 CTPX710

DRAGONSKIN



M

ISO	RE mm	Article no.	EUR
080408EN	0,8	75 008 61800	10,99
080412EN	1,2	75 008 62000	10,99

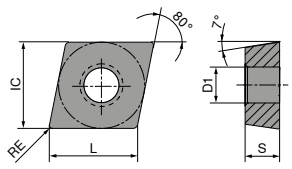
Steel	●
Stainless steel	●
Cast iron	○
Non ferrous metals	○
Heat resistant alloys	●

Customer Service Centre
Freephone: 1800 93 22 55

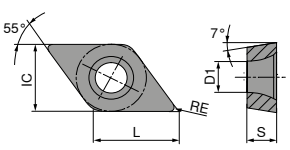
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CCGT / DCGT / VCGT

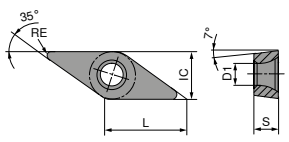
Designation	L	S	D1	IC
	mm	mm	mm	mm
CCGT 0602..	6,40	2,38	2,8	6,35
CCGT 09T3..	9,70	3,97	4,4	9,52
CCGT 1204..	12,90	4,76	5,5	12,70
DCGT 0702..	7,75	2,38	2,8	6,35
DCGT 11T3..	11,60	3,97	4,4	9,52
VCGT 1103..	11,10	3,18	2,9	6,35
VCGT 1604..	16,60	4,76	4,4	9,52
VCGT 2205..	22,10	5,56	5,5	12,70



CCGT



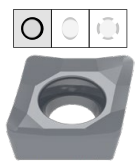
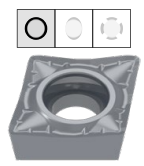
DCGT



VCGT

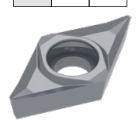
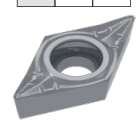
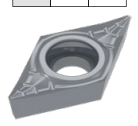
CCGT

CERATIZIT \ Performance

ISO	RE	-27 CTPX715 DRAGONSKIN		-25Q CTPX710 DRAGONSKIN		-25P CTPX710 DRAGONSKIN	
							
		M		M		M	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR
060202FN	0,2	70 254 80200	10,92			70 248 70200	11,31
060204FN	0,4	70 254 80400	10,92	70 248 75400	13,65	70 248 70400	11,31
09T302FN	0,2	70 254 81400	11,31			70 248 71400	12,09
09T304FN	0,4	70 254 81600	11,31	70 248 76600	14,05	70 248 71600	12,09
09T308FN	0,8	70 254 81800	11,31	70 248 76800	14,05	70 248 71800	12,09
120402FN	0,2	70 254 82600	13,65				
120404FN	0,4	70 254 82800	13,65	70 248 77800	15,68	70 248 72800	14,43
120408FN	0,8	70 254 83000	13,65	70 248 78000	15,68	70 248 73000	14,43
Steel		●		●		●	
Stainless steel		●		●		●	
Cast iron		○		○		○	
Non ferrous metals		●		●		●	
Heat resistant alloys		●		●		●	

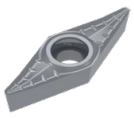
DCGT

CERATIZIT \ Performance

ISO	RE	-27 CTPX715 DRAGONSKIN		-25Q CTPX710 DRAGONSKIN		-25P CTPX710 DRAGONSKIN	
							
		M		M		M	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR
070202FN	0,2	70 260 80200	10,22			70 263 70200	10,85
070204FN	0,4	70 260 80400	10,22			70 263 70400	10,85
11T302FN	0,2	70 260 81400	12,09			70 263 71400	12,56
11T304FL	0,4			70 263 75700	14,43		
11T304FN	0,4	70 260 81600	12,09	70 263 75600	14,43	70 263 71600	12,56
11T304FR	0,4			70 263 75800	14,43		
11T308FN	0,8	70 260 81800	12,09	70 263 76000	14,43	70 263 71800	12,56
Steel		●		●		●	
Stainless steel		●		●		●	
Cast iron		○		○		○	
Non ferrous metals		●		●		●	
Heat resistant alloys		●		●		●	

VCGT

CERATIZIT \ Performance

ISO	RE	-25P CTPX710 DRAGONSKIN		-27 CTPX715 DRAGONSKIN	
					
		M		M	
	mm	Article no.	EUR	Article no.	EUR
110302FN	0,2	70 282 71400	14,89	70 280 81400	14,66
110304FN	0,4	70 282 71600	14,89	70 280 81600	14,66
160404FN	0,4	70 282 72800	18,11	70 280 82800	16,72
160408FN	0,8	70 282 73000	18,11	70 280 83000	17,39
160412FN	1,2	70 282 73200	18,11		
220530FN	3,0	70 282 75000	24,41		
Steel		●		●	
Stainless steel		●		●	
Cast iron		○		○	
Non ferrous metals		●		●	
Heat resistant alloys		●		●	

Technical support: 1800 93 22 55
3 time served engineers, available from 8:00 am to 6:30 pm, Monday to Friday

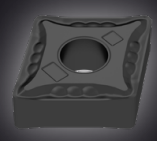
Order by 6:30 pm and get free,
guaranteed before 12 noon, next day delivery



Machining without compromise

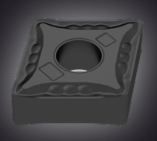
Dragonskin – new grades with the high-performance coating technology from CERATIZIT

Always the right solution for machining austenitic, stainless steels. In addition to the established CTPM125, two new grades now round off our product range: the more wear-resistant CTCM120 and the tougher CTCM130. Thanks to the Dragonskin coating, both grades are high performers and process-secure.



CTCM130

- Wear-resistant grade for austenitic steels
- High cutting speeds
- For a smooth cut



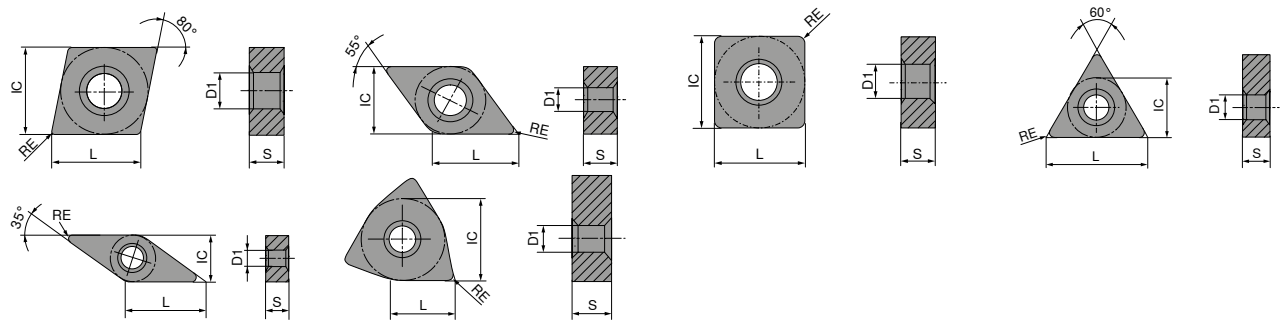
CTCM120

- Tough carbide grade for interrupted cuts
- Guaranteed process security
- For lower cutting speeds and unstable conditions



CNMG / DNMG / SNMG / TNMG / VNMG / WNMG

Designation	L	S	D1	IC
	mm	mm	mm	mm
CNMG 1204..	12,9	4,76	5,16	12,70
DNMG 1104..	11,6	4,76	3,81	9,52
DNMG 1506..	15,5	6,35	5,16	12,70
SNMG 1204..	12,7	4,76	5,16	12,70
TNMG 1604..	16,5	4,76	3,81	9,52
VNMG 1604..	16,6	4,76	3,81	9,52
WNMG 0604..	6,5	4,76	3,81	9,52
WNMG 0804..	8,6	4,76	5,16	12,70



CNMG

CERATIZIT \ Performance

ISO	RE	-F30 CTCM120		-F30 CTCM130		-M30 CTCM120		-M30 CTCM130		-M60 CTCM120		-M60 CTCM130	
		F		F		M		M		M		M	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
120404EN	0,4	75 010 12800	8,57	75 010 32800	8,57								
120408EN	0,8	75 010 13000	8,57	75 010 33000	8,57	75 011 13000	8,57	75 011 33000	8,57	75 012 13000	8,57	75 012 33000	8,57
120412EN	1,2					75 011 13200	8,57	75 011 33200	8,57	75 012 13200	8,57	75 012 33200	8,57
120416EN	1,6					75 011 13400	8,57	75 011 33400	8,57	75 012 13400	8,57	75 012 33400	8,57
Steel		○		○		○		○		○		○	
Stainless steel		●		●		●		●		●		●	
Cast iron													
Non ferrous metals													
Heat resistant alloys													

DNMG

CERATIZIT \ Performance

ISO	RE	-F30 CTCM120		-F30 CTCM130		-M30 CTCM120		-M30 CTCM130		-M60 CTCM120		-M60 CTCM130	
		F		F		M		M		M		M	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
110404EN	0,4	75 013 10400	9,14	75 013 30400	9,14								
110408EN	0,8	75 013 10600	9,14	75 013 30600	9,14	75 014 10600	9,14	75 014 30600	9,14				
110412EN	1,2					75 014 10800	9,14	75 014 30800	9,14				
150604EN	0,4	75 013 12800	12,00	75 013 32800	12,00								
150608EN	0,8	75 013 13000	12,00	75 013 33000	12,00	75 014 13000	12,00	75 014 33000	12,00	75 015 13000	12,00	75 015 33000	12,00
150612EN	1,2					75 014 13200	12,00	75 014 33200	12,00	75 015 13200	12,00	75 015 33200	12,00
Steel		○		○		○		○		○		○	
Stainless steel		●		●		●		●		●		●	
Cast iron													
Non ferrous metals													
Heat resistant alloys													

SNMG

CERATIZIT \ Performance

ISO	RE	-F30 CTCM120		-F30 CTCM130		-M30 CTCM120		-M30 CTCM130		-M60 CTCM120		-M60 CTCM130	
		F		F		M		M		M		M	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
120404EN	0,4	75 016 11600	8,72	75 016 31600	8,72								
120408EN	0,8	75 016 11800	8,72	75 016 31800	8,72	75 017 11800	8,72	75 017 31800	8,72	75 018 11800	8,72	75 018 31800	8,72
120412EN	1,2					75 017 12000	8,72	75 017 32000	8,72	75 018 12000	8,72	75 018 32000	8,72
120416EN	1,6									75 018 12200	8,72	75 018 32200	8,72
Steel		○		○		○		○		○		○	
Stainless steel		●		●		●		●		●		●	
Cast iron													
Non ferrous metals													
Heat resistant alloys													

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TNMG

CERATIZIT \ Performance

ISO	RE mm	-F30 CTCM120 F Article no.	EUR	-F30 CTCM130 F Article no.	EUR	-M30 CTCM120 M Article no.	EUR	-M30 CTCM130 M Article no.	EUR	-M60 CTCM120 M Article no.	EUR	-M60 CTCM130 M Article no.	EUR
160404EN	0,4	75 019 11600	7,65	75 019 31600	7,65								
160408EN	0,8	75 019 11800	7,65	75 019 31800	7,65	75 020 11800	7,65	75 020 31800	7,65	75 021 11800	7,65	75 021 31800	7,65
160412EN	1,2					75 020 12000	7,65	75 020 32000	7,65	75 021 12000	7,65	75 021 32000	7,65
Steel		○		○		○		○		○		○	
Stainless steel		●		●		●		●		●		●	
Cast iron													
Non ferrous metals													
Heat resistant alloys													

VNMG

CERATIZIT \ Performance

ISO	RE mm	-F30 CTCM120 F Article no.	EUR	-F30 CTCM130 F Article no.	EUR	-M30 CTCM120 M Article no.	EUR	-M30 CTCM130 M Article no.	EUR
160404EN	0,4	75 022 11600	15,43	75 022 31600	15,43				
160408EN	0,8	75 022 11800	15,43	75 022 31800	15,43	75 023 11800	15,43	75 023 31800	15,43
Steel		○		○		○		○	
Stainless steel		●		●		●		●	
Cast iron									
Non ferrous metals									
Heat resistant alloys									

Cutting data approximate values

	Index	Material	Strength N/mm² / HB / HRC	F DRAGONSKIN CTCM120 v_c in m/min	F DRAGONSKIN CTCM130 v_c in m/min	M DRAGONSKIN CTCM120 v_c in m/min	M DRAGONSKIN CTCM130 v_c in m/min
P	1.1	General construction steel	< 800 N/mm²	160–265	110–200	145–240	100–180
P	1.2	Free cutting steel	< 800 N/mm²	160–265	110–200	145–240	100–180
P	1.3	Hardened steel, non alloyed	< 800 N/mm²	160–265	110–200	145–240	100–180
P	1.4	Alloyed hardened steel	< 1000 N/mm²	160–265	110–200	145–240	100–180
P	1.5	Tempering steel, unalloyed	< 850 N/mm²	160–265	110–200	145–240	100–180
P	1.6	Tempering steel, unalloyed	< 1000 N/mm²	160–265	110–200	145–240	100–180
P	1.7	Tempering steel, alloyed	< 800 N/mm²	160–265	110–200	145–240	100–180
P	1.8	Tempering steel, alloyed	< 1300 N/mm²	160–265	110–200	145–240	100–180
P	1.9	Steel castings	< 850 N/mm²	160–265	110–200	145–240	100–180
P	1.10	Nitriding steel	< 1000 N/mm²	160–265	110–200	145–240	100–180
P	1.11	Nitriding steel	< 1200 N/mm²	160–265	110–200	145–240	100–180
P	1.12	Roller bearing steel	< 1200 N/mm²	160–265	110–200	145–240	100–180
P	1.13	Spring steel	< 1200 N/mm²	160–265	110–200	145–240	100–180
P	1.14	High-speed steel	< 1300 N/mm²	160–265	110–200	145–240	100–180
P	1.15	Cold working tool steel	< 1300 N/mm²	160–265	110–200	145–240	100–180
P	1.16	Hot working tool steel	< 1300 N/mm²	160–265	110–200	145–240	100–180
M	2.1	Cast steel and sulphured stainless steel	< 850 N/mm²	110–210	80–160	100–190	70–140
M	2.2	Stainless steel, ferritic	< 750 N/mm²	110–210	80–160	100–190	70–140
M	2.3	Stainless steel, martensitic	< 900 N/mm²	110–210	80–160	100–190	70–140
M	2.4	Stainless steel, ferritic / martensitic	<1100 N/mm²	110–210	80–160	100–190	70–140
M	2.5	Stainless steel, austenitic / ferritic	< 850 N/mm²	55–155	40–110	50–140	35–100
M	2.6	Stainless steel, austenitic	< 750 N/mm²	55–155	40–110	50–140	35–100
M	2.7	Heat resistant steel	< 1100 N/mm²	55–155	40–110	50–140	35–100

The cutting data depends extremely on the external conditions, e.g. stability of the tool and tool clamping, material and machine type. The indicated values are possible cutting data which have to be increased or reduced according to the application conditions.



Cutting data standard values for negative inserts

	Designation	-F30 f min.	-F30 f Recommended mm/rev.	-F30 f max.	-F30 a_p min.	-F30 a_p Recommended mm	-F30 a_p max.	-M30 f min.	-M30 f Recommended mm/rev.	-M30 f max.	-M30 a_p min.	-M30 a_p Recommended mm	-M30 a_p max.	-M60 f min.	-M60 f Recommended mm/rev.	-M60 f max.	-M60 a_p min.	-M60 a_p Recommended mm	-M60 a_p max.
	CN.. 120404	0,05	**0,15**	0,25	0,4	**1,0**	2,0												
	CN.. 120408	0,10	**0,22**	0,35	0,8	**1,5**	2,5	0,15	**0,25**	0,40	1,0	**2,0**	4,5	0,25	**0,30**	0,50	1,5	**2,5**	6,0
	CN.. 120412							0,20	**0,30**	0,50	1,2	**2,5**	5,0	0,30	**0,35**	0,55	2,0	**3,0**	6,0
	CN.. 120416							0,25	**0,35**	0,55	1,6	**2,5**	5,0	0,30	**0,40**	0,60	2,0	**3,0**	6,0
	DN.. 110404	0,05	**0,15**	0,25	0,4	**1,0**	2,0												
	DN.. 110408	0,10	**0,20**	0,35	0,8	**1,5**	2,5	0,15	**0,25**	0,40	1,0	**2,0**	4,5						
	DN.. 110412							0,20	**0,30**	0,50	1,2	**2,0**	4,5						
	DN.. 150604	0,05	**0,15**	0,25	0,4	**1,0**	2,0												
	DN.. 150608	0,10	**0,20**	0,35	0,8	**1,5**	2,5	0,15	**0,25**	0,40	1,0	**2,0**	5,5	0,25	**0,30**	0,45	1,5	**2,5**	6,0
	DN.. 150612							0,20	**0,30**	0,50	1,2	**2,0**	5,5	0,30	**0,40**	0,55	1,5	**2,5**	6,0
	SN.. 120404	0,10	**0,15**	0,30	0,4	**1,0**	2,0												
	SN.. 120408	0,15	**0,20**	0,40	0,8	**1,5**	2,5	0,20	**0,25**	0,45	1,0	**2,0**	4,5	0,30	**0,35**	0,50	1,5	**2,0**	6,0
	SN.. 120412							0,25	**0,30**	0,50	1,2	**2,0**	5,0	0,30	**0,40**	0,55	2,0	**2,5**	6,0
	SN.. 120416													0,30	**0,40**	0,60	2,0	**2,5**	6,0
	TN.. 160404	0,05	**0,15**	0,25	0,4	**1,0**	2,0												
	TN.. 160408	0,10	**0,15**	0,35	0,8	**1,5**	2,5	0,15	**0,25**	0,40	1,0	**2,0**	4,5	0,25	**0,25**	0,45	1,5	**2,5**	5,0
	TN.. 160412							0,20	**0,30**	0,50	1,2	**2,0**	4,5	0,30	**0,30**	0,55	2,0	**2,5**	5,5
	VN.. 160404	0,08	**0,10**	0,20	0,4	**1,0**	2,0												
	VN.. 160408	0,10	**0,15**	0,30	0,8	**1,5**	2,5	0,15	**0,25**	0,40	1,0	**1,5**	4,0						
	WN.. 060404	0,05	**0,15**	0,25	0,4	**1,0**	2,0												
	WN.. 060408	0,10	**0,20**	0,30	0,8	**1,5**	2,5	0,15	**0,25**	0,40	1,0	**1,5**	3,5	0,25	**0,30**	0,45	1,5	**2,0**	4,0
	WN.. 060412							0,20	**0,30**	0,45	1,2	**1,5**	4,0	0,30	**0,35**	0,50	2,0	**2,5**	4,5
	WN.. 080404	0,05	**0,15**	0,25	0,4	**1,0**	2,0												
	WN.. 080408	0,10	**0,20**	0,35	0,8	**1,5**	2,5	0,15	**0,25**	0,40	1,0	**2,0**	4,5	0,25	**0,30**	0,50	1,5	**2,0**	5,0
	WN.. 080412							0,20	**0,30**	0,50	1,2	**2,0**	5,0	0,30	**0,35**	0,55	2,0	**2,5**	5,5

Sharp ⟷ stable

The data shows reference values. An adjustment to the actual conditions may be required.

Technical support: 1800 93 22 55
3 time served engineers, available from 8:00 am to 6:30 pm, Monday to Friday

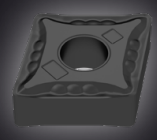
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Machining without compromise

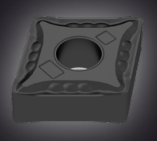
Dragonskin – new grades with the high-performance coating technology from CERATIZIT

Always the right solution for machining austenitic, stainless steels. In addition to the established CTPM125, two new grades now round off our product range: the more wear-resistant CTCM120 and the tougher CTCM130. Thanks to the Dragonskin coating, both grades are high performers and process-secure.



CTCM130

- Wear-resistant grade for austenitic steels
- High cutting speeds
- For a smooth cut



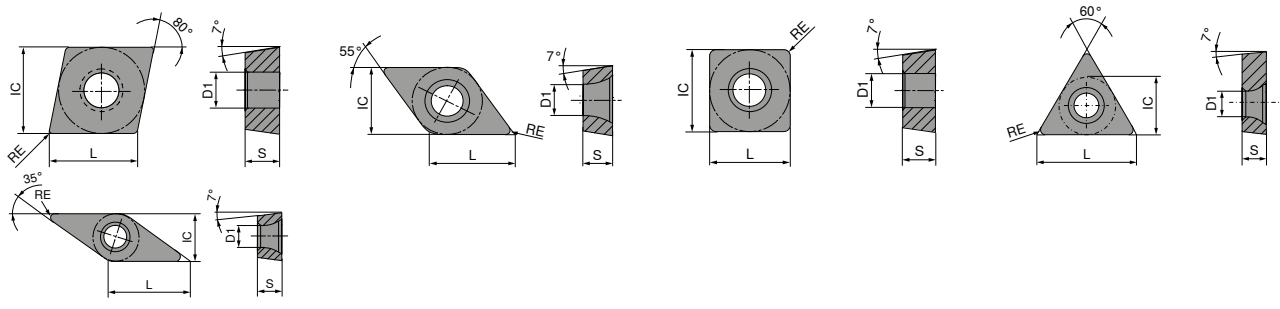
CTCM120

- Tough carbide grade for interrupted cuts
- Guaranteed process security
- For lower cutting speeds and unstable conditions



CCMT / DCMT / SCMT / TCMT / VCMT

Designation	L	S	D1	IC
	mm	mm	mm	mm
CCMT 0602..	6,40	2,38	2,8	6,35
CCMT 09T3..	9,70	3,97	4,4	9,52
CCMT 1204..	12,90	4,76	5,5	12,70
DCMT 0702..	7,75	2,38	2,8	6,35
DCMT 11T3..	11,60	3,97	4,4	9,52
SCMT 09T3..	9,52	3,97	4,4	9,52
SCMT 1204..	12,70	4,76	5,5	12,70
TCMT 0902..	9,60	2,38	2,5	5,56
TCMT 1102..	11,00	2,38	2,8	6,35
TCMT 16T3..	16,50	3,97	4,4	9,52
VCMT 1604..	16,60	4,76	4,4	9,52



CCMT

CERATIZIT \ Performance

ISO	RE	-M25 CTCM120		-M25 CTCM130		-M55 CTCM120		-M55 CTCM130	
		F		F		M		M	
		Article no.		Article no.		Article no.		Article no.	
	mm		EUR		EUR		EUR		EUR
060204EN	0,4	75 210 10400	5,83	75 210 30400	5,83	75 211 10400	5,83		
09T304EN	0,4	75 210 11600	7,28	75 210 31600	7,28	75 211 11600	7,28	75 211 31600	7,28
09T308EN	0,8	75 210 11800	7,28	75 210 31800	7,28	75 211 11800	7,28	75 211 31800	7,28
120404EN	0,4					75 211 12800	10,25	75 211 32800	10,25
120408EN	0,8					75 211 13000	10,25	75 211 33000	10,25
Steel		○		○		○		○	
Stainless steel		●		●		●		●	
Cast iron									
Non ferrous metals									
Heat resistant alloys									

DCMT

CERATIZIT \ Performance

ISO	RE	-M25 CTCM120		-M25 CTCM130		-M55 CTCM120		-M55 CTCM130	
		F		F		M		M	
		Article no.		Article no.		Article no.		Article no.	
	mm		EUR		EUR		EUR		EUR
070202EN	0,2	75 213 10200	5,83	75 213 30200	5,83				
070204EN	0,4	75 213 10400	5,83	75 213 30400	5,83	75 214 10400	5,83	75 214 30400	5,83
070208EN	0,8					75 214 10600	5,83	75 214 30600	5,83
11T302EN	0,2	75 213 11400	8,18	75 213 31400	8,18				
11T304EN	0,4	75 213 11600	8,21	75 213 31600	8,21	75 214 11600	8,18	75 214 31600	8,21
11T308EN	0,8	75 213 11800	8,21	75 213 31800	8,21	75 214 11800	8,18	75 214 31800	8,21
Steel		○		○		○		○	
Stainless steel		●		●		●		●	
Cast iron									
Non ferrous metals									
Heat resistant alloys									

SCMT

CERATIZIT \ Performance

ISO	RE	-M55 CTCM120		-M55 CTCM130	
		M		M	
		Article no.		Article no.	
	mm		EUR		EUR
09T308EN	0,8	75 216 10600	7,28	75 216 30600	7,28
120408EN	0,8	75 216 11800	10,25	75 216 31800	10,25
Steel		○		○	
Stainless steel		●		●	
Cast iron					
Non ferrous metals					
Heat resistant alloys					

Customer Service Centre
Freephone: 1800 93 22 55

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http://cuttingtools.ceratizit.com

TCMT

CERATIZIT \ Performance

ISO	RE mm	-M25 CTCM120 F Article no.	EUR	-M25 CTCM130 F Article no.	EUR	-M55 CTCM120 M Article no.	EUR	-M55 CTCM130 M Article no.	EUR
090204EN	0,4					75 218 10400	5,73	75 218 30400	5,73
110204EN	0,4	75 217 11600	5,73	75 217 31600	5,73	75 218 11600	5,73	75 218 31600	5,73
16T304EN	0,4	75 217 12800	7,88	75 217 32800	8,28				
16T308EN	0,8	75 217 13000	7,88	75 217 33000	8,28	75 218 13000	8,28	75 218 33000	8,28
Steel		○		○		○		○	
Stainless steel		●		●		●		●	
Cast iron									
Non ferrous metals									
Heat resistant alloys									

VCMT

CERATIZIT \ Performance

ISO	RE mm	-M25 CTCM120 F Article no.	EUR	-M25 CTCM130 F Article no.	EUR	-M55 CTCM120 M Article no.	EUR	-M55 CTCM130 M Article no.	EUR
160404EN	0,4	75 219 12800	12,00	75 219 32800	12,00	75 220 12800	12,00	75 220 32800	12,00
160408EN	0,8	75 219 13000	12,00	75 219 33000	12,00	75 220 13000	12,00	75 220 33000	12,00
Steel		○		○		○		○	
Stainless steel		●		●		●		●	
Cast iron									
Non ferrous metals									
Heat resistant alloys									

Cutting data approximate values

	Index	Material	Strength N/mm² / HB / HRC	F DRAGONSKIN CTCM120 v_c in m/min	F DRAGONSKIN CTCM130 v_c in m/min	M DRAGONSKIN CTCM120 v_c in m/min	M DRAGONSKIN CTCM130 v_c in m/min
P	1.1	General construction steel	< 800 N/mm²	160–265	110–200	145–240	100–180
	1.2	Free cutting steel	< 800 N/mm²	160–265	110–200	145–240	100–180
	1.3	Hardened steel, non alloyed	< 800 N/mm²	160–265	110–200	145–240	100–180
	1.4	Alloyed hardened steel	< 1000 N/mm²	160–265	110–200	145–240	100–180
	1.5	Tempering steel, unalloyed	< 850 N/mm²	160–265	110–200	145–240	100–180
	1.6	Tempering steel, unalloyed	< 1000 N/mm²	160–265	110–200	145–240	100–180
	1.7	Tempering steel, alloyed	< 800 N/mm²	160–265	110–200	145–240	100–180
	1.8	Tempering steel, alloyed	< 1300 N/mm²	160–265	110–200	145–240	100–180
	1.9	Steel castings	< 850 N/mm²	160–265	110–200	145–240	100–180
	1.10	Nitriding steel	< 1000 N/mm²	160–265	110–200	145–240	100–180
	1.11	Nitriding steel	< 1200 N/mm²	160–265	110–200	145–240	100–180
	1.12	Roller bearing steel	< 1200 N/mm²	160–265	110–200	145–240	100–180
	1.13	Spring steel	< 1200 N/mm²	160–265	110–200	145–240	100–180
	1.14	High-speed steel	< 1300 N/mm²	160–265	110–200	145–240	100–180
	1.15	Cold working tool steel	< 1300 N/mm²	160–265	110–200	145–240	100–180
	1.16	Hot working tool steel	< 1300 N/mm²	160–265	110–200	145–240	100–180
M	2.1	Cast steel and sulphured stainless steel	< 850 N/mm²	**110–210**	**80–160**	**100–190**	**70–140**
	2.2	Stainless steel, ferritic	< 750 N/mm²	**110–210**	**80–160**	**100–190**	**70–140**
	2.3	Stainless steel, martensitic	< 900 N/mm²	**110–210**	**80–160**	**100–190**	**70–140**
	2.4	Stainless steel, ferritic / martensitic	<1100 N/mm²	**110–210**	**80–160**	**100–190**	**70–140**
	2.5	Stainless steel, austenitic / ferritic	< 850 N/mm²	**55–155**	**40–110**	**50–140**	**35–100**
	2.6	Stainless steel, austenitic	< 750 N/mm²	**55–155**	**40–110**	**50–140**	**35–100**
	2.7	Heat resistant steel	< 1100 N/mm²	**55–155**	**40–110**	**50–140**	**35–100**

The cutting data depends extremely on the external conditions, e.g. stability of the tool and tool clamping, material and machine type. The indicated values are possible cutting data which have to be increased or reduced according to the application conditions.

Cutting data values for positive inserts

	Designation	-M25 f min.	-M25 f Recom-mended mm/rev.	-M25 f max.	-M25 a_p min.	-M25 a_p Recom-mended mm	-M25 a_p max.	-M55 f min.	-M55 f Recom-mended mm/rev.	-M55 f max.	-M55 a_p min.	-M55 a_p Recom-mended mm	-M55 a_p max.
	CC.. 060204	0,06	**0,13**	0,20	0,2	**1,1**	2,0	0,06	**0,13**	0,20	0,4	**1,5**	2,6
	CC.. 09T304	0,06	**0,14**	0,22	0,2	**1,2**	2,2	0,08	**0,16**	0,24	0,4	**1,7**	3,0
	CC.. 09T308	0,10	**0,20**	0,30	0,4	**1,8**	3,2	0,12	**0,24**	0,35	0,8	**2,4**	4,0
	CC.. 120404							0,08	**0,18**	0,28	0,4	**2,2**	4,0
	CC.. 120408							0,12	**0,26**	0,40	0,8	**2,8**	4,8
	DC.. 070202	0,04	**0,09**	0,13	0,1	**0,9**	1,6						
	DC.. 070204	0,06	**0,12**	0,18	0,2	**1,1**	2,0	0,06	**0,14**	0,22	0,4	**1,3**	2,2
	DC.. 11T3015												
	DC.. 11T302	0,04	**0,10**	0,16	0,1	**1,1**	2,0						
	DC.. 11T304	0,06	**0,14**	0,22	0,2	**1,2**	2,2	0,08	**0,16**	0,24	0,4	**1,7**	3,0
	DC.. 11T308	0,10	**0,20**	0,30	0,4	**1,8**	3,2	0,12	**0,24**	0,35	0,8	**2,4**	4,0
	SC.. 09T308							0,12	**0,24**	0,35	0,8	**2,4**	4,0
	SC.. 120408							0,12	**0,26**	0,40	0,8	**2,8**	4,8
	TC.. 090204							0,06	**0,12**	0,18	0,4	**1,3**	2,2
	TC.. 110204	0,06	**0,13**	0,20	0,2	**1,2**	2,2	0,06	**0,14**	0,22	0,4	**1,4**	2,4
	TC.. 16T304	0,06	**0,14**	0,22	0,2	**1,6**	3,0						
	TC.. 16T308	0,10	**0,20**	0,30	0,4	**1,9**	3,4	0,12	**0,24**	0,35	0,8	**2,6**	4,4
	VC.. 160404	0,06	**0,13**	0,20	0,2	**1,2**	2,2	0,08	**0,14**	0,20	0,4	**1,7**	3,0
	VC.. 160408	0,10	**0,15**	0,25	0,4	**1,4**	3,0	0,12	**0,21**	0,30	0,8	**2,1**	3,4

Sharp ◄——► stable



The data shows reference values. An adjustment to the actual conditions may be required.

Turning Inserts – Cermet Grade CTEP110 (DCC1110)

The more powerful CTEP110 (DCC1110) grade replaces the TWC410 and TWC10 grades in our cermet range. The combination of the latest CVD coating technology and proven cermet substrate produces a very high wear resistance with unprecedented toughness. This offers significant advantages in terms of performance and service life of the inserts compared to the TWC410 and TWC10 grades.

Advantages/benefits

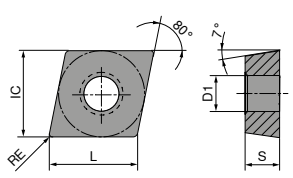
- Combination of the proven cermet substrate and the latest PVD coating technology
- Unique multilayer nano coating
- Combines very high wear resistance and unprecedented toughness
- Optimized chip breakers

Turning guide (Main catalogue 2019)

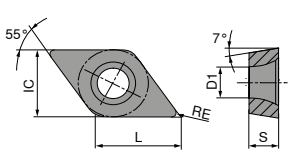
Cutting Data	144–159	Chip breakers	168–175
ISO designation system	178–183	Grade overview and description	186+187

CCMT / CCGT / DCGT / DCMT

Designation	L	S	D1	IC
	mm	mm	mm	mm
CC.T 0602..	6,40	2,38	2,8	6,35
CC.T 09T3..	9,70	3,97	4,4	9,52
CCMT 1204..	12,90	4,76	5,5	12,70
DC.T 0702..	7,75	2,38	2,8	6,35
DC.T 11T3..	11,60	3,97	4,4	9,52



CCMT / CCGT



DCGT / DCMT

CCMT / CCGT

CERATIZIT \ Performance

ISO	RE	-CF55 CTEP110 -PF15 DCC1110		-CF05 CTEP110 -PF14 DCC1110	
		CCMT F		CCGT F	
	mm	Article no.	EUR	Article no.	EUR
060202EN	0,2			76 247 002	10,40
060204EN	0,4	76 248 004	5,65	76 247 004	10,40
09T302EN	0,2			76 247 014	11,08
09T304EN	0,4	76 248 016	7,26	76 247 016	11,08
09T308EN	0,8	76 248 018	7,26	76 247 018	11,08
120404EN	0,4	76 248 028	10,25		
Steel		●		●	
Stainless steel		○		○	
Cast iron		○		○	
Non ferrous metals					
Heat resistant alloys					

DCGT / DCMT

CERATIZIT \ Performance

ISO	RE	-CF05 CTEP110 -PF14 DCC1110		-CF55 CTEP110 -PF15 DCC1110	
		DCGT F		DCMT F	
	mm	Article no.	EUR	Article no.	EUR
070202EN	0,2	76 245 002	10,40	76 246 002	5,90
070204EN	0,4	76 245 004	10,40	76 246 004	5,90
11T302EN	0,2	76 245 014	13,76		
11T304EN	0,4	76 245 016	13,76	76 246 016	8,18
11T308EN	0,8	76 245 018	13,76	76 246 018	8,18
Steel		●		●	
Stainless steel		○		○	
Cast iron		○		○	
Non ferrous metals					
Heat resistant alloys					



There are no minimum order quantities

From single items to large orders!

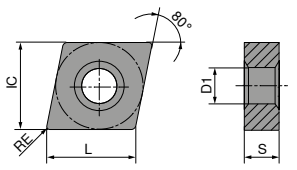
No matter which tool you need, we promise you quick and uncomplicated delivery. Even if you only order one item! We do not have minimum order quantities.

Customer Service Centre
Freephone: 1800 93 22 55

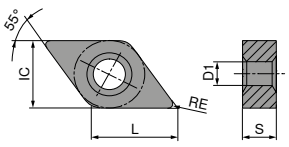
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CNMG / DNMG / VNMG / WNMG

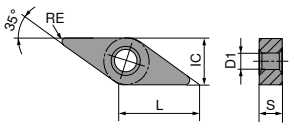
Designation	L	S	D1	IC
	mm	mm	mm	mm
CNMG 1204..	12,9	4,76	5,16	12,70
CNMG 1606..	16,1	6,35	6,35	15,87
CNMG 1906..	19,3	6,35	7,94	19,05
DNMG 1506..	15,5	6,35	5,16	12,70
VNMG 1604..	16,6	4,76	3,81	9,52
WNMG 0804..	8,6	4,76	5,16	12,70



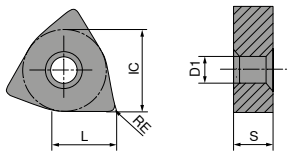
CNMG



DNMG



VNMG



WNMG

CNMG

CERATIZIT \ Standard

ISO	RE	-FMS CT-P15		-FMS CT-P25		-MRS CT-P15		-MRS CT-P25		-MRS CT-P35	
		F		F		M		M		M	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
120404EN	0,4	75 302 02809	3,42	75 302 12809	3,42						
120408EN	0,8	75 302 03009	3,42	75 302 13009	3,42	75 303 03009	3,42	75 303 13009	3,42	75 303 23009	3,42
120412EN	1,2	75 302 03209	3,42	75 302 13209	3,42	75 303 03209	3,42	75 303 13209	3,42	75 303 23209	3,42
120416EN	1,6					75 303 03409	3,42	75 303 13409	3,42	75 303 23409	3,42
160612EN	1,2					75 303 04409	5,01	75 303 14409	5,01	75 303 24409	5,01
160616EN	1,6					75 303 04609	5,01	75 303 14609	5,01	75 303 24609	5,01
190612EN	1,2					75 303 05609	7,45	75 303 15609	7,45	75 303 25609	7,45
190616EN	1,6					75 303 05809	7,45	75 303 15809	7,45	75 303 25809	7,45
Steel		●		●		●		●		●	
Stainless steel		○		○		○		○		○	
Cast iron		○		○		○		○			
Non ferrous metals											
Heat resistant alloys										○	

DNMG

CERATIZIT \ Standard

ISO	RE	-FMS CT-P15		-FMS CT-P25		-MRS CT-P15		-MRS CT-P25		-MRS CT-P35	
		F		F		M		M		M	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
150604EN	0,4	75 306 02809	4,62	75 306 12809	4,62						
150608EN	0,8	75 306 03009	4,62	75 306 13009	4,62	75 307 03009	4,62	75 307 13009	4,62	75 307 23009	4,62
150612EN	1,2	75 306 03209	4,62	75 306 13209	4,62	75 307 03209	4,62	75 307 13209	4,62	75 307 23209	4,62
150616EN	1,6					75 307 03409	4,62	75 307 13409	4,62	75 307 23409	4,62
Steel		●		●		●		●		●	
Stainless steel		○		○		○		○		○	
Cast iron		○		○		○		○			
Non ferrous metals											
Heat resistant alloys										○	

VNMG

CERATIZIT \ Standard

ISO	RE	-FMS CT-P15		-FMS CT-P25	
		F		F	
	mm	Article no.	EUR	Article no.	EUR
160404EN	0,4	75 310 01609	4,35	75 310 11609	4,35
160408EN	0,8	75 310 01809	4,35	75 310 11809	4,35
160412EN	1,2	75 310 02009	4,35	75 310 12009	4,35
Steel		●		●	
Stainless steel		○		○	
Cast iron		○		○	
Non ferrous metals					
Heat resistant alloys					

WNMG

CERATIZIT \ Standard

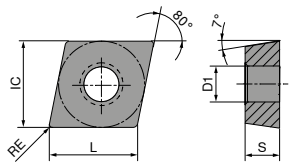
ISO	RE	-FMS CT-P15		-FMS CT-P25		-MRS CT-P15		-MRS CT-P25		-MRS CT-P35	
		F		F		M		M		M	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
080404EN	0,4	75 311 01609	4,03	75 311 11609	4,03						
080408EN	0,8	75 311 01809	4,03	75 311 11809	4,03	75 312 01809	4,03	75 312 11809	4,03	75 312 21809	4,03
080412EN	1,2	75 311 02009	4,03	75 311 12009	4,03	75 312 02009	4,03	75 312 12009	4,03	75 312 22009	4,03
Steel		●		●		●		●		●	
Stainless steel		○		○		○		○		○	
Cast iron		○		○		○		○			
Non ferrous metals											
Heat resistant alloys										○	

Technical support: 1800 93 22 55
3 time served engineers, available from 8:00 am to 6:30 pm, Monday to Friday

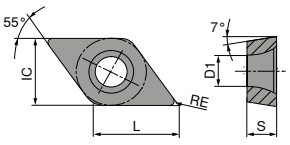
Order by 6:30 pm and get free,
guaranteed before 12 noon, next day delivery

CCMT / DCMT / VCMT

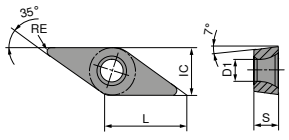
Designation	L	S	D1	IC
	mm	mm	mm	mm
CCMT 09T3..	9,70	3,97	4,4	9,52
CCMT 1204..	12,90	4,76	5,5	12,70
DCMT 0702..	7,75	2,38	2,8	6,35
DCMT 11T3..	11,60	3,97	4,4	9,52
VCMT 1103..	11,10	3,18	2,9	6,35
VCMT 1604..	16,60	4,76	4,4	9,52



CCMT



DCMT



VCMT

CCMT

CERATIZIT \ Standard

ISO	RE	-FMS CT-P15		-FMS CT-P25		-MRS CT-P15		-MRS CT-P25	
		F		F		M		M	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
09T304EN	0,4	75 300 01609	2,49	75 300 11609	2,49	75 301 01609	2,49	75 301 11609	2,49
09T308EN	0,8	75 300 01809	2,49	75 300 11809	2,49	75 301 01809	2,49	75 301 11809	2,49
120404EN	0,4	75 300 02809	3,33	75 300 12809	3,33	75 301 02809	3,33	75 301 12809	3,33
120408EN	0,8	75 300 03009	3,33	75 300 13009	3,33	75 301 03009	3,33	75 301 13009	3,33
120412EN	1,2					75 301 03209	3,33	75 301 13209	3,33
Steel		●		●		●		●	
Stainless steel		○		○		○		○	
Cast iron		○		○		○		○	
Non ferrous metals									
Heat resistant alloys									

DCMT

CERATIZIT \ Standard

ISO	RE	-FMS CT-P15		-FMS CT-P25		-MRS CT-P15		-MRS CT-P25	
		F		F		M		M	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
070204EN	0,4	75 304 00409	2,18	75 304 10409	2,18	75 305 00409	2,18	75 305 10409	2,18
070208EN	0,8	75 304 00609	2,18	75 304 10609	2,18	75 305 00609	2,18	75 305 10609	2,18
11T304EN	0,4	75 304 01609	2,74	75 304 11609	2,74	75 305 01609	2,74	75 305 11609	2,74
11T308EN	0,8	75 304 01809	2,74	75 304 11809	2,74	75 305 01809	2,74	75 305 11809	2,74
Steel		●		●		●		●	
Stainless steel		○		○		○		○	
Cast iron		○		○		○		○	
Non ferrous metals									
Heat resistant alloys									

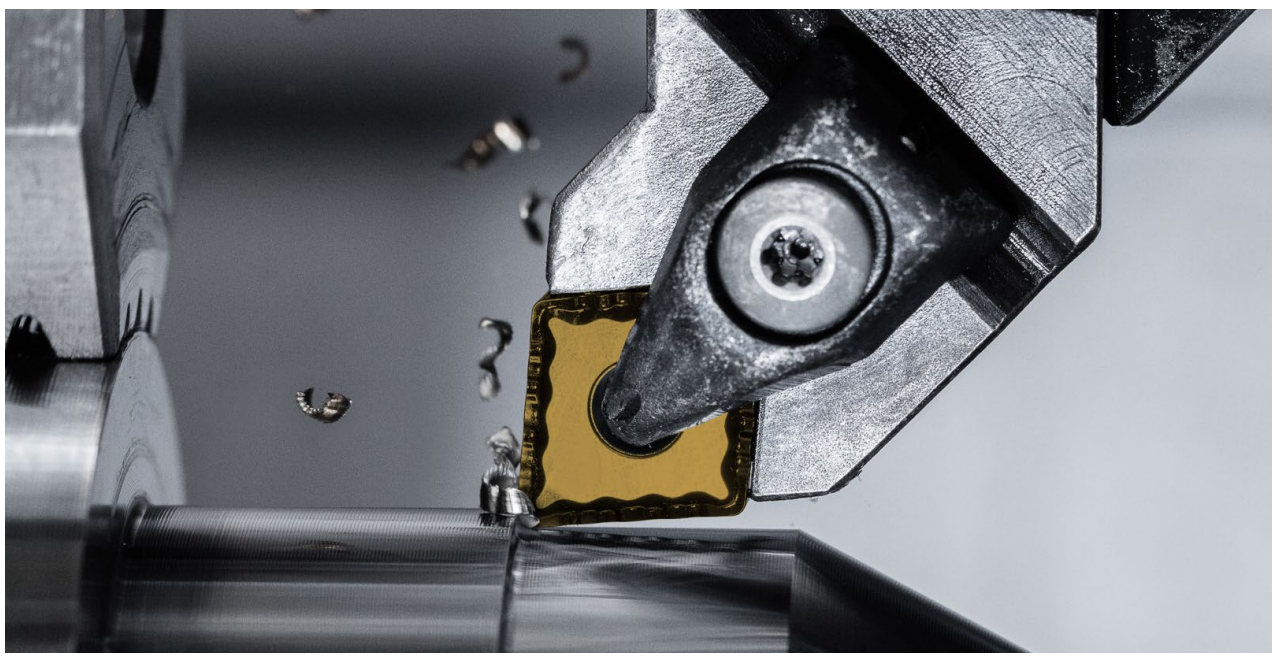
VCMT

CERATIZIT \ Standard

ISO	RE	-FMS CT-P15		-FMS CT-P25		-MRS CT-P15		-MRS CT-P25	
		F		F		M		M	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
110304EN	0,4	75 308 01609	4,21	75 308 11609	4,21				
160404EN	0,4	75 308 02809	4,26	75 308 12809	4,26	75 309 02809	4,26	75 309 12809	4,26
160408EN	0,8	75 308 03009	4,26	75 308 13009	4,26	75 309 03009	4,26	75 309 13009	4,26
Steel		●		●		●		●	
Stainless steel		○		○		○		○	
Cast iron		○		○		○		○	
Non ferrous metals									
Heat resistant alloys									

Manufactured in high volume for lower cost

Universal application



Customer Service Centre
Freephone: 1800 93 22 55

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The Original Multi Function Tool

The trend in machining is unmistakable: Workpieces are becoming increasingly complex and technically challenging. Production often requires a variety of tools, which can not be economically accomodated with the existing turret locations. The answer to this challenge from CERATIZIT is the multi-function tool EcoCut.

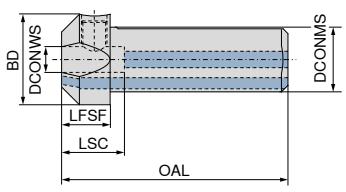


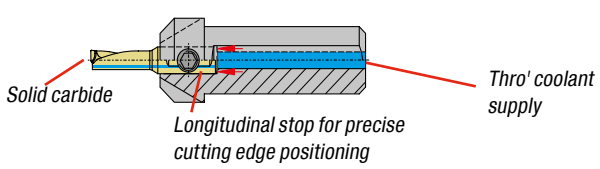
EcoCut guide (Main catalogue 2019)

Cutting Data	15–22	Chip breakers	23+24
Application information	25–29	Application and Grade Comparison	30+31

EcoCut – Adapter Mini

CERATIZIT \ Performance



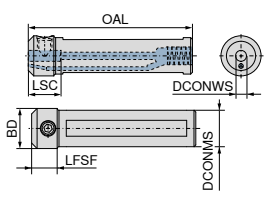


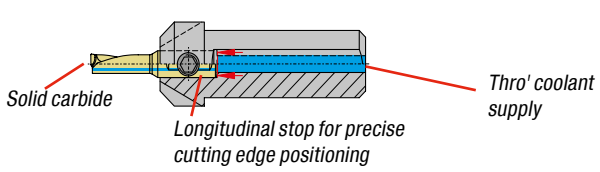


Designation	DCONWS mm	DCONMS mm	BD mm	OAL mm	LFSF mm	LSC mm	Article no.	EUR
EC-ADX16-04	4	16,00	22	59,0	14	18	70 800 716	75,90
EC-ADX12-04-E	4	19,05	25	63,5	14	18	70 800 719	75,90
EC-ADX20-04	4	20,00	25	64,0	14	18	70 800 720	75,90
EC-ADX16-06	6	16,00	22	59,0	14	18	70 800 976	75,90
EC-ADX12-06-E	6	19,05	25	63,5	14	18	70 800 986	75,90
EC-ADX20-06	6	20,00	25	64,0	14	18	70 800 996	75,90
EC-ADX16-08	8	16,00	22	59,0	14	18	70 800 978	75,90
EC-ADX12-08-E	8	19,05	25	63,5	14	18	70 800 988	75,90
EC-ADX20-08	8	20,00	25	64,0	14	18	70 800 998	75,90

EcoCut – Mini adapter with coolant connection thread

CERATIZIT \ Performance







Designation	DCONWS mm	DCONMS mm	BD mm	OAL mm	LFSF mm	LSC mm	Thread	Article no.	EUR
ECA 16-04	4	16,00	20,0	75	14	18	G 1/8	70 801 716	40,70
ECA 0750-04	4	19,05	20,0	100	14	18	G 1/8	70 801 719	40,70
ECA 20-04	4	20,00	19,6	90	14	18	G 1/8	70 801 720	40,70
ECA 22-04	4	22,00	21,6	110	14	18	G 1/8	70 801 722	42,90
ECA 25-04	4	25,00	24,6	110	14	18	G 1/8	70 801 725	42,90
ECA 1000-04	4	25,40	25,0	110	14	18	G 1/8	70 801 726	42,90
ECA 16-06	6	16,00	22,0	75	14	18	G 1/8	70 801 816	40,70
ECA 0750-06	6	19,05	22,0	100	14	18	G 1/8	70 801 819	40,70
ECA 20-06	6	20,00	22,0	90	14	18	G 1/8	70 801 820	40,70
ECA 22-06	6	22,00	21,6	110	14	18	G 1/8	70 801 822	42,90
ECA 25-06	6	25,00	24,6	110	14	18	G 1/8	70 801 825	42,90
ECA 1000-06	6	25,40	25,0	110	14	18	G 1/8	70 801 826	42,90
ECA 16-08	8	16,00	22,0	75	14	18	G 1/8	70 801 916	40,70
ECA 0750-08	8	19,05	22,0	100	14	18	G 1/8	70 801 919	40,70
ECA 20-08	8	20,00	22,0	90	14	18	G 1/8	70 801 920	40,70
ECA 22-08	8	22,00	21,6	110	14	18	G 1/8	70 801 922	42,90
ECA 25-08	8	25,00	24,6	110	14	18	G 1/8	70 801 925	42,90
ECA 1000-08	8	25,40	25,0	110	14	18	G 1/8	70 801 926	42,90



Clamping screw

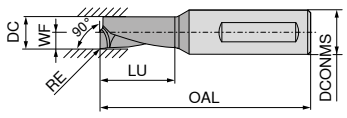
Spare parts DCONWS		EUR	Article no.
4	M5x10 ISO 4026	2,53	70 950 867
6	M8x1x8 - SW4	2,53	70 950 123
8	M8x1x8 - SW4	2,53	70 950 123

EcoCut – Mini

▲ Drilling and turning tool for small diameters

≥ Ø 2 mm

CERATIZIT \ Performance





Solid carbide
Left-hand



Solid carbide
Right-hand



Solid carbide
Left-hand



Solid carbide
Right-hand

Designation	DC	DCONMS	OAL	LU	WF	RE	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
	mm	mm	mm	mm	mm	mm								
ECM 02 R/L 2,25D	2,0	4	28	4,50	1,00	0,1	70 805 320	50,96	70 804 320	43,32				
ECM 02 R/L 2,25D AL	2,0	4	28	4,50	1,00	0,1					70 805 420	38,19	70 804 420	38,19
ECM 02 R/L 4,00D	2,0	4	31	8,00	1,00	0,1	70 805 321	53,46	70 804 321	45,44				
ECM 02 R/L 4,00D AL	2,0	4	31	8,00	1,00	0,1					70 805 421	40,05	70 804 421	40,05
ECM 02,5 R/L 2,25D	2,5	4	29	5,63	1,25	0,1	70 805 325	52,52	70 804 325	44,65				
ECM 02,5 R/L 2,25D AL	2,5	4	29	5,63	1,25	0,1					70 805 425	39,34	70 804 425	39,34
ECM 02,5 R/L 4,00D	2,5	4	33	10,00	1,25	0,1	70 805 326	55,12	70 804 326	46,85				
ECM 02,5 R/L 4,00D AL	2,5	4	33	10,00	1,25	0,1					70 805 426	41,28	70 804 426	41,28
ECM 03 R/L 2,25D	3,0	4	31	6,75	1,50	0,1	70 805 330	54,18	70 804 330	46,05				
ECM 03 R/L 2,25D AL	3,0	4	31	6,75	1,50	0,1					70 805 430	40,58	70 804 430	40,58
ECM 03 R/L 4,00D	3,0	4	35	12,00	1,50	0,1	70 805 331	56,89	70 804 331	48,36				
ECM 03 R/L 4,00D AL	3,0	4	35	12,00	1,50	0,1					70 805 431	42,60	70 804 431	42,60
ECM 03,5 R/L 2,25D	3,5	4	32	7,88	1,75	0,1	70 805 335	56,26	70 804 335	47,83				
ECM 03,5 R/L 2,25D AL	3,5	4	32	7,88	1,75	0,1					70 805 435	42,17	70 804 435	42,17
ECM 03,5 R/L 4,00D	3,5	4	37	14,00	1,75	0,1	70 805 336	59,07	70 804 336	50,22				
ECM 03,5 R/L 4,00D AL	3,5	4	37	14,00	1,75	0,1					70 805 436	44,29	70 804 436	44,29
ECM 04 R/L 2,25D	4,0	6	35	9,00	2,00	0,2	70 805 300	59,75	70 804 300	50,79				
ECM 04 R/L 2,25D AL	4,0	6	35	9,00	2,00	0,2					70 805 450	44,74	70 804 450	44,74
ECM 04 R/L 4,00D	4,0	6	41	16,00	2,00	0,2	70 805 301	62,72	70 804 301	53,32				
ECM 04 R/L 4,00D AL	4,0	6	41	16,00	2,00	0,2					70 805 451	46,98	70 804 451	46,98
ECM 05 R/L 2,25D	5,0	6	37	11,25	2,50	0,2	70 805 302	61,82	70 804 302	52,55				
ECM 05 R/L 2,25D AL	5,0	6	37	11,25	2,50	0,2					70 805 452	46,00	70 804 452	46,00
ECM 05 R/L 4,00D	5,0	6	45	20,00	2,50	0,2	70 805 303	64,68	70 804 303	54,98				
ECM 05 R/L 4,00D AL	5,0	6	45	20,00	2,50	0,2					70 805 453	48,25	70 804 453	48,25
ECM 06 R/L 2,25D	6,0	8	38	13,50	3,00	0,2	70 805 306	63,42	70 804 306	53,90				
ECM 06 R/L 2,25D AL	6,0	8	38	13,50	3,00	0,2					70 805 456	47,56	70 804 456	47,56
ECM 06 R/L 4,00D	6,0	8	49	24,00	3,00	0,2	70 805 312	66,62	70 804 312	56,63				
ECM 06 R/L 4,00D AL	6,0	8	49	24,00	3,00	0,2					70 805 462	49,71	70 804 462	49,71
ECM 07 R/L 2,25D	7,0	8	42	15,75	3,50	0,2	70 805 308	65,37	70 804 308	55,57				
ECM 07 R/L 2,25D AL	7,0	8	42	15,75	3,50	0,2					70 805 458	49,03	70 804 458	49,03
ECM 07 R/L 4,00D	7,0	8	53	28,00	3,50	0,2	70 805 314	68,81	70 804 314	58,49				
ECM 07 R/L 4,00D AL	7,0	8	53	28,00	3,50	0,2					70 805 464	51,27	70 804 464	51,27
ECM 08 R/L 2,25D	8,0	8	45	18,00	4,00	0,2	70 805 310	67,54	70 804 310	57,41				
ECM 08 R/L 2,25D AL	8,0	8	45	18,00	4,00	0,2					70 805 460	50,40	70 804 460	50,40
ECM 08 R/L 4,00D	8,0	8	57	32,00	4,00	0,2	70 805 316	70,75	70 804 316	60,14				
ECM 08 R/L 4,00D AL	8,0	8	57	32,00	4,00	0,2					70 805 466	52,83	70 804 466	52,83

Steel	●	●		
Stainless steel	●	●		
Cast iron	○	○	○	○
Non ferrous metals			●	●
Heat resistant alloys	●	●		



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EcoCut – Classic 1.5xD

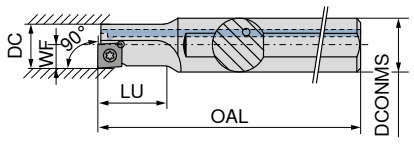
▲ Drilling and turning tool

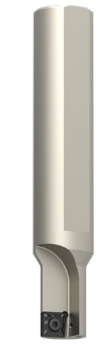
Scope of supply:

Toolholder with 1 clamping screw + 2 spare screws and screwdriver

≥ Ø 8 mm

CERATIZIT \ Performance





Steel
Left-hand



Steel
Right-hand

Designation	DC	DCONMS	OAL	LU	WF	torque moment	Insert	Article no.	EUR	Article no.	EUR
	mm	mm	mm	mm	mm	Nm					
ECC 08 L 1,5D 04	8	12	80	12,0	4,0	0,4	XC.T 0401..EL	70 805 008 [2]	63,80		
ECC 08 R 1,5D 04	8	12	80	12,0	4,0	0,4	XC.T 0401..ER			70 804 008 [1]	63,80
ECC 10 R/L 1,5D 05	10	12	90	15,0	5,0	0,7	XC.T 0502..	70 805 010	63,80	70 804 010	63,80
ECC 12 R/L 1,5D 06	12	16	100	18,0	6,0	1,0	XC.T 0602..	70 805 012	64,90	70 804 012	64,90
ECC 14 R/L 1,5D 07	14	16	110	21,0	7,0	1,2	XC.T 0703..	70 805 014	66,00	70 804 014	66,00
ECC 16 R/L 1,5D 08	16	20	125	24,0	8,0	2,2	XC.T 0803..	70 805 016	67,10	70 804 016	67,10
ECC 18 R/L 1,5D 09	18	25	135	27,0	9,0	2,2	XC.T 09T3..	70 805 018	78,10	70 804 018	78,10
ECC 20 R/L 1,5D 10	20	25	150	30,0	10,0	3,2	XC.T 10T3..	70 805 020	88,00	70 804 020	88,00
ECC 25 R/L 1,5D 13	25	32	180	37,5	12,5	5,0	XC.T 1304..	70 805 025	101,20	70 804 025	101,20
ECC 32 R/L 1,5D 17	32	40	200	48,0	16,0	5,0	XC.T 1705..	70 805 032	114,40	70 804 032	114,40

EcoCut – Classic 2.25xD

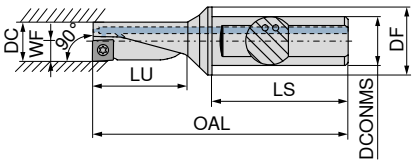
▲ Drilling and turning tool

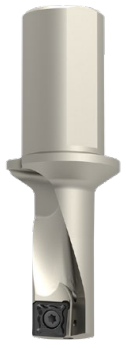
Scope of supply:

Toolholder with 1 clamping screw + 2 spare screws and screwdriver

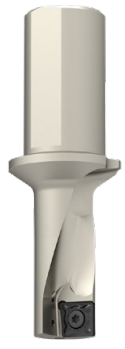
≥ Ø 8 mm

CERATIZIT \ Performance





Steel
Left-hand



Steel
Right-hand

Designation	DC	DCONMS	OAL	LU	LS	WF	torque moment	Insert	Article no.	EUR	Article no.	EUR
	mm	mm	mm	mm	mm	mm	Nm					
ECC 08 L 2,25D 04	8	10	60,0	18,0	38	4,0	0,4	XC.T 0401..EL	70 805 108 [2]	94,60		
ECC 08 R 2,25D 04	8	10	60,0	18,0	38	4,0	0,4	XC.T 0401..ER			70 804 108 [1]	94,60
ECC 10 R/L 2,25D 05	10	12	69,5	22,5	42	5,0	0,7	XC.T 0502..	70 805 110	94,60	70 804 110	94,60
ECC 12 R/L 2,25D 06	12	16	78,0	27,0	45	6,0	1,0	XC.T 0602..	70 805 112	96,80	70 804 112	96,80
ECC 14 R/L 2,25D 07	14	16	83,5	31,5	45	7,0	1,2	XC.T 0703..	70 805 114	99,00	70 804 114	99,00
ECC 16 R/L 2,25D 08	16	20	94,0	36,0	50	8,0	2,2	XC.T 0803..	70 805 116	101,20	70 804 116	101,20
ECC 18 R/L 2,25D 09	18	25	109,5	40,5	56	9,0	2,2	XC.T 09T3..	70 805 118	112,20	70 804 118	112,20
ECC 20 R/L 2,25D 10	20	25	111,0	45,0	56	10,0	3,2	XC.T 10T3..	70 805 120	122,10	70 804 120	122,10
ECC 25 R/L 2,25D 13	25	32	129,0	56,5	60	12,5	5,0	XC.T 1304..	70 805 125	140,80	70 804 125	140,80
ECC 32 R/L 2,25D 17	32	40	158,0	72,0	70	16,0	5,0	XC.T 1705..	70 805 132	158,40	70 804 132	158,40

Key D



Clamping screw

Spare parts DC		Article no.	EUR			Article no.	EUR	
8	T06 - IP		8,27	80 950 123	M1,8x3,6 - IP		3,14	70 950 862
10	T06 - IP		8,27	80 950 123	M2x4,3 - IP		2,78	70 950 863
12	T07 - IP		8,16	80 950 124	M2,2x5 - IP		2,71	70 950 856
14	T08 - IP		8,16	80 950 125	M2,5x6 - IP		3,48	70 950 857
16 - 18	T09 - IP		8,93	80 950 126	M3x7 - IP		2,66	70 950 819
20	T15 - IP		9,54	80 950 128	M3,5x8,6 - IP		2,66	70 950 859
25 - 32	T20 - IP		10,02	80 950 129	M4,5x10,5 - IP		2,66	70 950 864

EcoCut – Classic 3xD – Heavy metal

- ▲ Drilling and turning tool
- ▲ vibration-damped

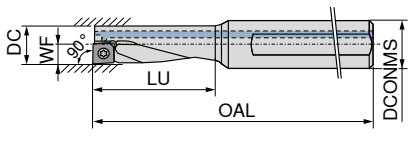
Scope of supply:

Toolholder with 1 clamping screw + 2 spare screws and screwdriver





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heavy metal
Left-hand



heavy metal
Right-hand

Designation	DC	DCONMS	OAL	LU	WF	Insert	Article no.	EUR	Article no.	EUR
	mm	mm	mm	mm	mm					
ECC 08 L 3,00D 04 H	8	12	80	24	4,0	XC.T 0401..EL	70 805 608 [2]	233,20		
ECC 08 R 3,00D 04 H	8	12	80	24	4,0	XC.T 0401..ER			70 804 608 [1]	233,20
ECC 10 R/L 3,00D 05 H	10	12	85	30	5,0	XC.T 0502..	70 805 610	234,30	70 804 610	234,30
ECC 12 R/L 3,00D 06 H	12	16	95	36	6,0	XC.T 0602..	70 805 612	253,00	70 804 612	253,00
ECC 14 R/L 3,00D 07 H	14	16	100	42	7,0	XC.T 0703..	70 805 614	258,50	70 804 614	258,50
ECC 16 R/L 3,00D 08 H	16	20	110	48	8,0	XC.T 0803..	70 805 616	283,80	70 804 616	283,80
ECC 18 R/L 3,00D 09 H	18	25	125	54	9,0	XC.T 09T3..	70 805 618	344,30	70 804 618	344,30
ECC 20 R/L 3,00D 10 H	20	25	130	60	10,0	XC.T 10T3..	70 805 620	350,90	70 804 620	350,90
ECC 25 R/L 3,00D 13 H	25	32	150	75	12,5	XC.T 1304..	70 805 625	446,60	70 804 625	446,60
ECC 32 R/L 3,00D 17 H	32	40	185	96	16,0	XC.T 1705..	70 805 632	585,20	70 804 632	585,20

Key D

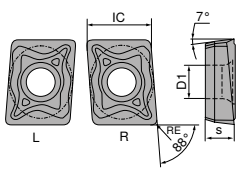


Clamping screw

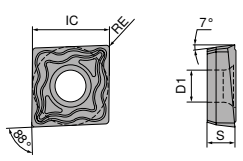
Spare parts DC		Article no.	EUR			Article no.	EUR	
8	T06 - IP		8,27	80 950 123		M1,8x3,6 - IP	3,14	70 950 862
10	T06 - IP		8,27	80 950 123		M2x4,3 - IP	2,78	70 950 863
12	T07 - IP		8,16	80 950 124		M2,2x5 - IP	2,71	70 950 856
14	T08 - IP		8,16	80 950 125		M2,5x6 - IP	3,48	70 950 857
16 - 18	T09 - IP		8,93	80 950 126		M3x7 - IP	2,66	70 950 819
20	T15 - IP		9,54	80 950 128		M3,5x8,6 - IP	2,66	70 950 859
25 - 32	T20 - IP		10,02	80 950 129		M4,5x10,5 - IP	2,66	70 950 864

XCNT

Designation	S	D1	IC
	mm	mm	mm
XCNT 0401..	1,80	2,10	4,5
XCNT 0502..	2,10	2,25	5,8
XCNT 0602..	2,38	2,50	6,5
XCNT 0703..	3,18	2,80	7,6
XCNT 0803..	3,18	3,40	8,5
XCNT 09T3..	3,97	3,40	9,6
XCNT 10T3..	3,97	4,40	10,6
XCNT 1304..	4,76	5,30	13,5
XCNT 1705..	5,56	5,30	17,5



XC. T 04..

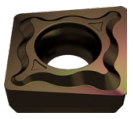


XC. T 05../06../07../08../09../
10../13../17..

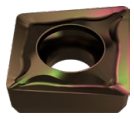
XCNT

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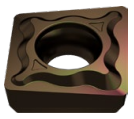
	CTCP425	-M50Q CTCP425	CTCP435	CTPP430
	HCR1425	-M50Q HCR1425	HCR1435	HCN2430
	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN



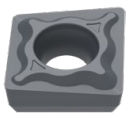
XCNT



XCNT



XCNT



XCNT

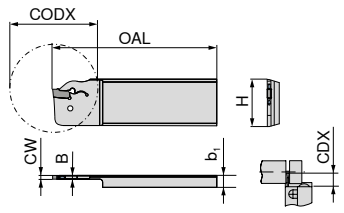
ISO	RE	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
	mm								
040102EL	0,2	70 386 720	11,61			70 386 820	11,61	70 386 920	11,61
040102ER	0,2	70 386 722	11,61			70 386 822	11,61	70 386 922	11,61
040104EL	0,4	70 386 700	11,61	70 386 750	12,11	70 386 800	11,61	70 386 900	11,61
040104ER	0,4	70 386 702	11,61	70 386 752	12,11	70 386 802	11,61	70 386 902	11,61
050202EN	0,2	70 386 723	11,61			70 386 823	11,61	70 386 923	11,61
050204EN	0,4	70 386 703	11,61	70 386 753	12,11	70 386 803	11,61	70 386 903	11,61
060202EN	0,2	70 386 724	11,61			70 386 824	11,61	70 386 924	11,61
060204EN	0,4	70 386 704	11,61	70 386 754	12,11	70 386 804	11,61	70 386 904	11,61
070304EN	0,4	70 386 705	11,61	70 386 755	12,11	70 386 805	11,61	70 386 905	11,61
080304EN	0,4	70 386 706	11,78	70 386 756	12,30	70 386 806	11,78	70 386 906	11,78
09T304EN	0,4	70 386 707	11,96	70 386 757	12,56	70 386 807	11,96	70 386 907	11,96
10T304EN	0,4	70 386 708	12,56	70 386 758	13,08	70 386 808	12,56	70 386 908	12,56
10T308EN	0,8	70 386 738	12,56	70 386 788	13,08	70 386 838	12,56	70 386 938	12,56
130404EN	0,4	70 386 710	14,37	70 386 760	15,05	70 386 810	14,37	70 386 910	14,37
130408EN	0,8	70 386 740	14,37	70 386 790	15,05	70 386 840	14,37	70 386 940	14,37
170508EN	0,8	70 386 712	15,14	70 386 762	15,92	70 386 812	15,14	70 386 912	15,14
Steel		●		●		●		●	
Stainless steel		○		○		○		●	
Cast iron		●		●		●		○	
Non ferrous metals								○	
Heat resistant alloys								●	

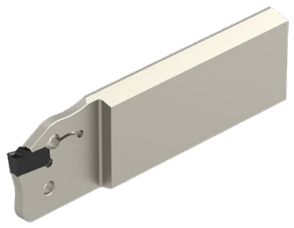
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MonoClamp – Radial Blade SX reinforced

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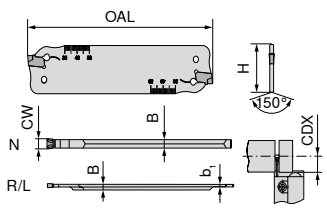
Illustrations show right-hand versions

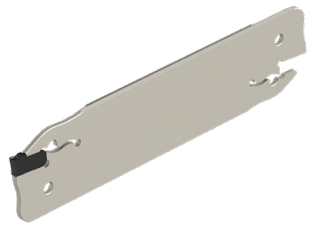
Designation	CW	H	B	OAL	b_1	CODX	CDX	for grooving inserts	R/L/N	Article no.	EUR
	mm	mm	mm	mm	mm	mm	mm				
XLCF L 2608-SX2	2	26	1,5	110	8	44	22	SX .2..	L	70 879 212 1)	53,90
XLCF L 2608-SX3	3	26	2,5	110	8	44	22	SX .3..	L	70 879 213 1)	53,90
XLCF L 3208-SX3	3	32	2,5	110	8	66	33	SX .3..	L	70 879 203	50,60
XLCF L 3208-SX4	4	32	3,4	110	8	66	33	SX .4..	L	70 879 204	50,60
XLCF R 2608-SX2	2	26	1,5	110	8	44	22	SX .2..	R	70 879 012 1)	53,90
XLCF R 2608-SX3	3	26	2,5	110	8	44	22	SX .3..	R	70 879 013 1)	53,90
XLCF R 3208-SX3	3	32	2,5	110	8	66	33	SX .3..	R	70 879 003	50,60
XLCF R 3208-SX4	4	32	3,4	110	8	66	33	SX .4..	R	70 879 004	50,60

1) can be used in both directions

MonoClamp – Radial Blade SX Standard

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Designation	CW	H	B	b_1	OAL	CDX	for grooving inserts	R/L/N	Article no.	EUR
	mm	mm	mm	mm	mm	mm				
XLCF L 2602-SX2	2	26	2,4	1,5	110	25	SX .2..	L	70 884 212	35,20
XLCF L 3202-SX2	2	32	2,4	1,5	150	25	SX .2..	L	70 884 202	37,40
XLCF R 2602-SX2	2	26	2,4	1,5	110	25	SX .2..	R	70 884 012	35,20
XLCF R 3202-SX2	2	32	2,4	1,5	150	25	SX .2..	R	70 884 002	37,40
XLCF N 2603-SX3	3	26	2,4		110	35	SX .3..	N	70 884 113	35,20
XLCF N 3203-SX3	3	32	2,4		150	50	SX .3..	N	70 884 103	37,40
XCLF N 2604-SX4	4	26	3,2		110	40	SX .4..	N	70 884 114	35,20
XLCF N 3204-SX4	4	32	3,2		150	50	SX .4..	N	70 884 104	37,40
XLCF N 3205-SX5	5	32	4,2		150	55	SX .5..	N	70 884 105	37,40
XLCF N 3206-SX6	6	32	5,2		150	60	SX .6..	N	70 884 106	37,40

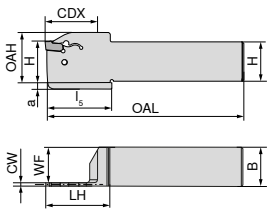
Ejector SX

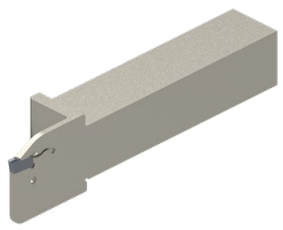
Spare parts

for grooving inserts		Article no.	EUR
SX .2..	SX 2-3	70 950 836	22,59
SX .3..	SX 2-3	70 950 836	22,59
SX .4..	SX 4-6	70 950 837	23,06
SX .5..	SX 4-6	70 950 837	23,06
SX .6..	SX 4-6	70 950 837	23,06

MonoClamp – Radial Monoholder SX

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Illustrations show right-hand versions

Designation	H	B	CW	WF	OAL	LH	l_5	OAH	CDX	a	for grooving inserts	Left-hand Article no.	Left-hand EUR	Right-hand Article no.	Right-hand EUR
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm					
E16 R/L 0026-1616K-K-SX2	16	16	2	15,2	125	33	33	26	26	4	SX .2..	70 846 21601	40,70	70 846 21600	40,70
E20 R/L 0026-2020K-K-SX2	20	20	2	19,2	125	33	33	31	26	5	SX .2..	70 846 22001	47,30	70 846 22000	47,30
E16 R/L 0026-1616K-K-SX3	16	16	3	14,8	125	33	33	26	26	4	SX .3..	70 846 31601	40,70	70 846 31600	40,70
E20 R/L 0026-2020K-K-SX3	20	20	3	18,8	125	31	33	31	26	5	SX .3..	70 846 32001	47,30	70 846 32000	47,30
E25 R/L 0026-2525M-K-SX3	25	25	3	23,8	150	33		31	26		SX .3..	70 846 32501	50,60	70 846 32500	50,60
E20 R/L 0033-2020K-K-SX4	20	20	4	18,3	125	40	40	32	33	5	SX .4..	70 846 42001	47,30	70 846 42000	47,30
E25 R/L 0033-2525M-K-SX4	25	25	4	23,3	150	42	42	36	33	5	SX .4..	70 846 42501	50,60	70 846 42500	50,60
E25 R/L 0040-2525M-K-SX5	25	25	5	22,9	150	49	49	38	40	6	SX .5..	70 846 52501	50,60	70 846 52500	50,60
E25 R/L 0040-2525M-K-SX6	25	25	6	22,4	150	49	49	38	40	6	SX .6..	70 846 62501	50,60	70 846 62500	50,60

Ejector SX

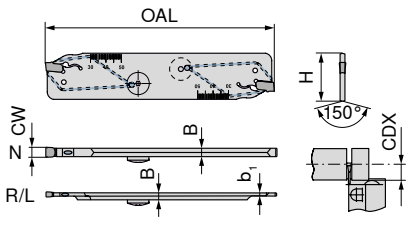
Spare parts

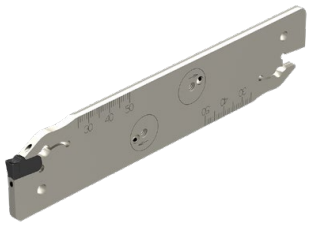
for grooving inserts		Article no.	EUR
SX .2..	SX 2-3	70 950 836	22,59
SX .3..	SX 2-3	70 950 836	22,59
SX .4..	SX 4-6	70 950 837	23,06
SX .5..	SX 4-6	70 950 837	23,06
SX .6..	SX 4-6	70 950 837	23,06

MonoClamp – Radial Blade SX-DC Standard



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Designation	CW	H	B	OAL	b_1	CDX	for grooving inserts	R/L/N	Article no.	EUR
	mm	mm	mm	mm	mm	mm				
XLCF R 2602-DC-SX2	2	26	2,4	110	1,6	25	SX .2..	R	70 884 512	60,50
XLCF N 2603-DC-SX3	3	26	2,5	110		35	SX .3..	N	70 884 613	60,50
XLCF N 3203-DC-SX3	3	32	2,5	150		50	SX .3..	N	70 884 603	64,90
XLCF N 3204-DC-SX4	4	32	3,3	150		50	SX .4..	N	70 884 604	64,90

Key D

Ejector SX

Spare parts

for grooving inserts		Article no.	EUR		Article no.	EUR
SX .2..	T15 - IP	80 950 128	9,54	SX 2-3	70 950 836	22,59
SX .3..	T15 - IP	80 950 128	9,54	SX 2-3	70 950 836	22,59
SX .4..	T15 - IP	80 950 128	9,54	SX 4-6	70 950 837	23,06

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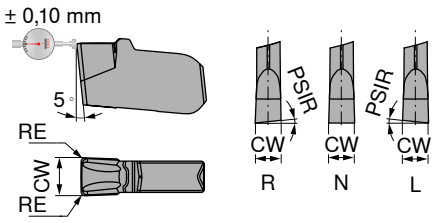
Insert SX

▲ Specially developed geometry with negative edge-chamfers available in right, left and neutral types



F	M	R
		

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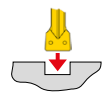




Designation	IH	CW +/-0,05 mm	for tool holder	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
SX E2.00 L 6	L	2	-SX2							70 342 612	9,06
SX E3.00 L 6	L	3	-SX3	70 342 913	9,65					70 342 613	9,65
SX E4.00 L 6	L	4	-SX4							70 342 614	10,15
SX E2.00 N 0.20	N	2	-SX2	70 342 922	9,06			70 342 822	9,06	70 342 622	9,06
SX E3.00 N 0.20	N	3	-SX3	70 342 923	9,65	70 342 523	9,65	70 342 823	9,65	70 342 623	9,65
SX E4.00 N 0.30	N	4	-SX4	70 342 924	10,15	70 342 524	10,15	70 342 824	10,15	70 342 624	10,15
SX E5.00 N 0.30	N	5	-SX5	70 342 925	10,81			70 342 825	10,81	70 342 625	10,81
SX E6.00 N 0.40	N	6	-SX6	70 342 926	11,67			70 342 826	11,67	70 342 626	11,67
SX E2.00 R 6	R	2	-SX2							70 342 602	9,06
SX E3.00 R 6	R	3	-SX3	70 342 903	9,65					70 342 603	9,65
SX E4.00 R 6	R	4	-SX4							70 342 604	10,15
Steel				●		●		●		●	
Stainless steel				○		○		●		●	
Cast iron				●		●				●	
Non ferrous metals										○	
Heat resistant alloys								○		●	
Hardened materials				○							

SX-M1

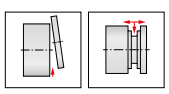
Parting / Grooving



SX-M1	
Cutting width in mm	Feed rate f in mm/rev.
2	0,05–0,15
3	0,10–0,20
4	0,10–0,25
5	0,15–0,30
6	0,15–0,35

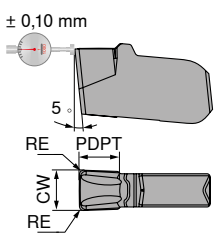
Insert SX

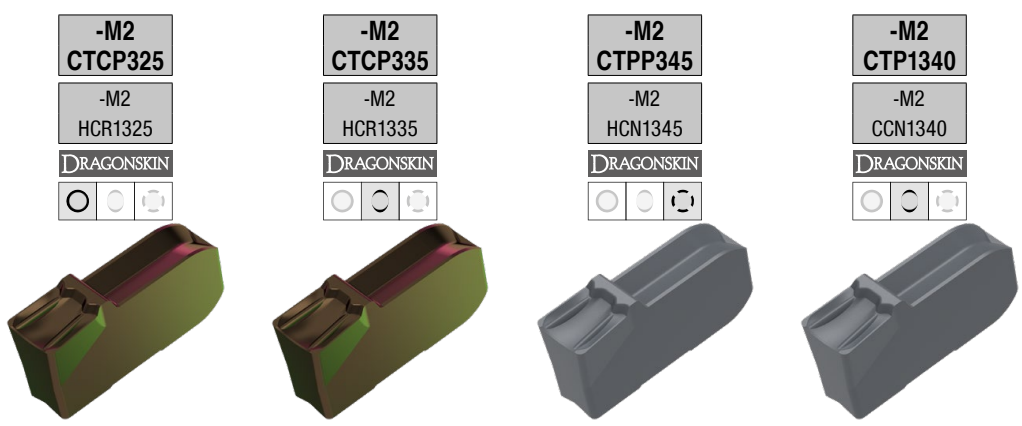
▲ All purpose geometry for parting, grooving & turning.



F	M	R
		

CERATIZIT \ Performance

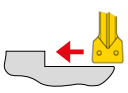




Designation	CW +/-0,05 mm	RER +/-0,05 mm	PDPT mm	for tool holder	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
SX E2.00 N 0.20	2	0,2	1,5	-SX2	70 343 922	9,06	70 343 522	9,06	70 343 822	9,06	70 343 622	9,06
SX E3.00 N 0.30	3	0,3	2,0	-SX3	70 343 923	9,65	70 343 523	9,65	70 343 823	9,65	70 343 623	9,65
SX E4.00 N 0.40	4	0,4	2,5	-SX4	70 343 924	10,15	70 343 524	10,15	70 343 824	10,15	70 343 624	10,15
SX E5.00 N 0.40	5	0,4	2,7	-SX5	70 343 925	10,81	70 343 525	10,81	70 343 825	10,81	70 343 625	10,81
SX E6.00 N 0.50	6	0,5	3,0	-SX6	70 343 926	11,67	70 343 526	11,67	70 343 826	11,67	70 343 626	11,67
Steel					●		●		●		●	
Stainless steel					○		○		●		●	
Cast iron					●		●				●	
Non ferrous metals											○	
Heat resistant alloys									○		●	
Hardened materials					○							

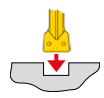
SX-M2

Turning



SX–M2	Depth of Cut a_p in mm							
Cutting width in mm	0,5	1,0	1,5	2,0	2,5	3,0	3,5	4,0
	Feed rate f in mm/rev.							
2	0,05–0,17	0,05–0,13	0,05–0,10					
3	0,07–0,20	0,07–0,20	0,07–0,18	0,07–0,15				
4	0,10–0,25	0,10–0,25	0,10–0,25	0,10–0,22	0,10–0,18			
5	0,12–0,27	0,12–0,27	0,12–0,27	0,12–0,25	0,12–0,22			
6	0,15–0,30	0,15–0,30	0,15–0,30	0,15–0,30	0,15–0,25	0,15–0,20		
8	0,17–0,45	0,17–0,45	0,17–0,45	0,17–0,45	0,17–0,40	0,17–0,37	0,17–0,35	
10	0,20–0,50	0,20–0,50	0,20–0,50	0,20–0,50	0,20–0,46	0,20–0,42	0,20–0,38	0,20–0,35

Parting / Grooving



SX–M2
Feed rate f in mm/rev.
0,05–0,15
0,075–0,20
0,10–0,25
0,10–0,30
0,15–0,35
0,20–0,50
0,20–0,50

Customer Service Centre
Freephone: 1800 93 22 55

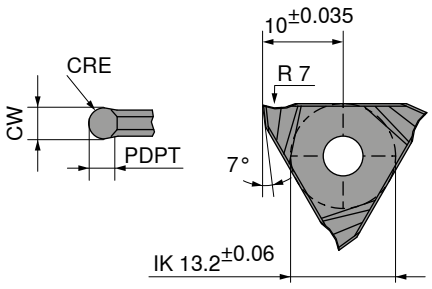
Ordering via the Online Shop
http://cuttingtools.ceratizit.com

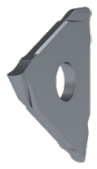
Radial TX insert for corner recessing

▲ Full radius for cutting width 0.5–5.0 mm

CERATIZIT \ Performance

CWX500



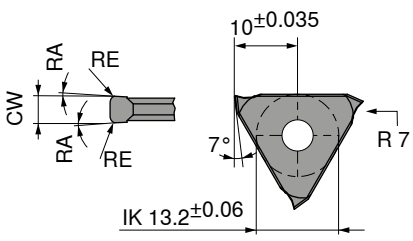


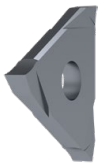
Designation	CRE	CW +/-0,05	PDPT	for tool holder	Neutral Article no.	EUR
	mm	mm	mm			
TX N 0010.20.2	1,0	2	0,7	R/L .. .2	73 304 204	28,13
TX N 0015.30.3	1,5	3	1,0	R/L .. .3	73 304 206	29,73
TX N 0020.40.4	2,0	4	1,2	R/L .. .4	73 304 208	29,54
TX N 0025.50.4	2,5	5	1,5	R/L .. .4	73 304 210	30,03

TX insert for fine and copy turning

CERATIZIT \ Performance

CWX500





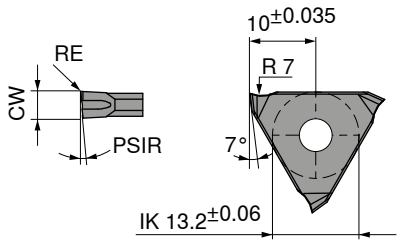
Designation	CW +0,03	for tool holder	Neutral Article no.	EUR
	mm			
TX N 0150.02.1	1,5	R/L 207 .. . / 738 .. . / 660 .. . 1	73 303 204	23,13
TX N 0200.02.1	2,0	R/L 207 .. . / 738 .. . / 660 .. . 1	73 303 206	23,13
TX N 0200.04.1	2,0	R/L 207 .. . / 738 .. . / 660 .. . 1	73 303 208	23,75
TX N 0300.06.2	3,0	R/L 207 .. . / 738 .. . / 660 .. . 2	73 303 212	24,39
TX N 0300.08.2	3,0	R/L 207 .. . / 738 .. . / 660 .. . 2	73 303 214	24,39
TX N 0300.02.2	3,0	R/L 207 .. . / 738 .. . / 660 .. . 2	73 303 210	23,75
TX N 0400.02.3	4,0	R/L 207 .. . / 738 .. . / 660 .. . 3	73 303 216	24,60
TX N 0400.12.3	4,0	R/L 207 .. . / 738 .. . / 660 .. . 3	73 303 220	24,60
TX N 0400.08.3	4,0	R/L 207 .. . / 738 .. . / 660 .. . 3	73 303 218	24,60

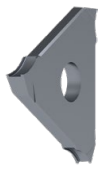
TX grooving insert for grooving and parting off

▲ Cutting depth 5.0 mm
▲ Cutting width 1.99–2.79 mm

CERATIZIT \ Performance

CWX500





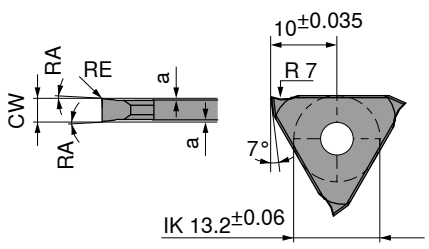
Designation	CW -0,05	for tool holder	Right-hand Article no.	EUR
	mm			
TX R 0518.00.1	1,99	R/L 207 .. . / 780 .. . 1	73 301 204	27,13
TX R 0521.00.2	2,29	R/L 207 .. . / 780 .. . 2	73 301 206	28,01
TX R 0526.00.2	2,79	R/L 207 .. . / 780 .. . 2	73 301 208	28,01

TX insert for circlip grooves

▲ For circlip grooves according to DIN 471 / 472

CERATIZIT \ Performance

CWX500





Designation	CW -0,05	a +/-0,02	for tool holder	Neutral Article no.	EUR
	mm	mm			
TX N 0050.00.1	0,57	0,07	R/L .. .1	73 300 204	18,54
TX N 0060.00.1	0,67	0,07	R/L .. .1	73 300 206	18,54
TX N 0070.00.1	0,77	0,08	R/L .. .1	73 300 208	18,54
TX N 0080.00.1	0,87	0,08	R/L .. .1	73 300 210	18,54
TX N 0090.00.1	0,97	0,08	R/L .. .1	73 300 212	18,54
TX N 0100.00.1	1,07	0,09	R/L .. .1	73 300 214	18,54
TX N 0110.00.1	1,24	0,15	R/L .. .1	73 300 216	18,54
TX N 0130.00.1	1,44	0,15	R/L .. .1	73 300 218	18,54
TX N 0160.00.1	1,74	0,20	R/L .. .1	73 300 220	18,54
TX N 0185.00.1	1,99	0,20	R/L .. .1	73 300 222	18,54
TX N 0215.00.2	2,29	0,20	R/L .. .2	73 300 224	18,54
TX N 0265.00.2	2,79	0,20	R/L .. .2	73 300 226	18,54
TX N 0315.00.3	3,29	0,20	R/L .. .3	73 300 228	21,14
TX N 0415.00.4	4,29	0,20	R/L .. .4	73 300 230	21,25
TX N 0515.00.4	5,29	0,20	R/L .. .4	73 300 232	21,93

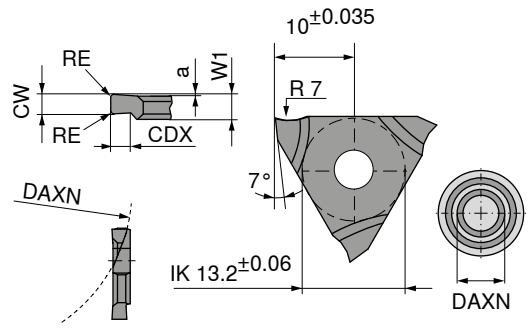
TX insert for axial grooving

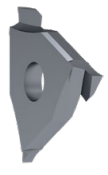
▲ Up to cutting depth 3.5 mm
▲ Cutting width 1.5–5.0 mm
▲ Groove-Ø external $D_a \geq 20$ mm

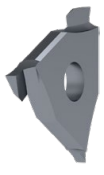
CERATIZIT \ Performance

CWX500

CWX500







Illustrations show right-hand versions

Designation	CW	W1	CDX	a	DAXN	for tool holder	Left-hand Article no.	EUR	Right-hand Article no.	EUR
	mm	mm	mm	mm	mm					
TX R/L 2015.2.2	1,5	2,7	2,0	0,2	20	R/L 207 .. . 2	73 306 204	26,52	73 305 204	26,52
TX R/L 3020.2.2	2,0	2,7	3,0	0,2	30	R/L 207 .. . 2	73 306 206	26,52	73 305 206	26,52
TX R/L 3030.2.3	3,0	3,7	3,0	0,2	30	R/L 207 .. . 3	73 306 208	26,82	73 305 208	26,82
TX R/L 3040.2.4	4,0	4,3	3,5	0,2	30	R/L 207 .. . 4	73 306 210	27,13	73 305 210	27,13
TX R/L 3050.2.4	5,0	5,3	3,5	0,2	30	R/L 207 .. . 4	73 306 212	28,36	73 305 212	28,36

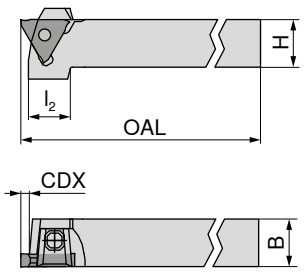
Technical support: 1800 93 22 55
3 time served engineers, available from 8:00 am to 6:30 pm, Monday to Friday

Order by 6:30 pm and get free,
guaranteed before 12 noon, next day delivery

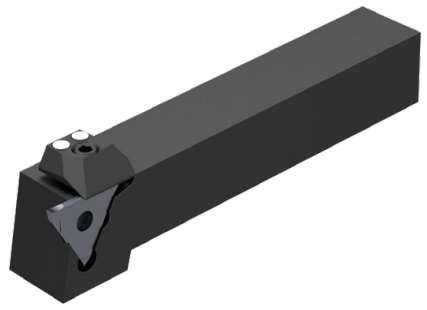
MonoClamp – Radial/Axial TX Grooving Holder 0°, 6 mm cutting depth

- For radial and axial grooving
- Cutting width 0.5 – 6.3 mm

CERATIZIT \ Performance

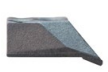


Illustrations show right-hand versions



Designation	H	B +/-0,1	OAL	l_2	CDX	for grooving inserts	Right-hand Article no.	EUR
	mm	mm	mm	mm	mm			
R 207.1212.1	12	12	100	24	4	TX R/N/L ...1	73 500 112	85,80
R 207.1616.1	16	16	125	22	4	TX R/N/L ...1	73 500 116	75,90
R 207.2020.1	20	20	125	21	4	TX R/N/L ...1	73 500 120	59,40
R 207.2525.1	25	25	150		4	TX R/N/L ...1	73 500 125	61,60
R 207.3232.1	32	32	170		4	TX R/N/L ...1	73 500 132	72,60
R 207.1212.2	12	12	100	24	6	TX R/N/L ...2	73 500 212	85,80
R 207.1616.2	16	16	125	22	6	TX R/N/L ...2	73 500 216	75,90
R 207.2020.2	20	20	125	21	6	TX R/N/L ...2	73 500 220	59,40
R 207.2525.2	25	25	150		6	TX R/N/L ...2	73 500 225	61,60
R 207.3232.2	32	32	170		6	TX R/N/L ...2	73 500 232	72,60
R 207.1212.3	12	12	100	24	6	TX R/N/L ...3	73 500 312	85,80
R 207.1616.3	16	16	125	22	6	TX R/N/L ...3	73 500 316	75,90
R 207.2020.3	20	20	125	21	6	TX R/N/L ...3	73 500 320	59,40
R 207.2525.3	25	25	150		6	TX R/N/L ...3	73 500 325	61,60
R 207.3232.3	32	32	170		6	TX R/N/L ...3	73 500 332	72,60
R 207.1616.4	16	16	125	22	6	TX R/N/L ...4	73 500 416	77,00
R 207.2020.4	20	20	125	21	6	TX R/N/L ...4	73 500 420	59,40
R 207.2525.4	25	25	150		6	TX R/N/L ...4	73 500 425	62,70
R 207.3232.4	32	32	170		6	TX R/N/L ...4	73 500 432	72,60


Key I


right hand

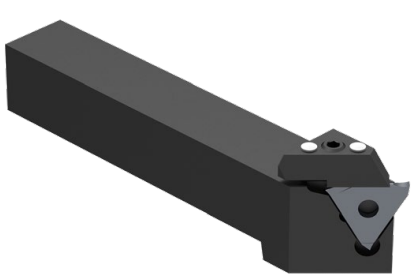

Clamping screw

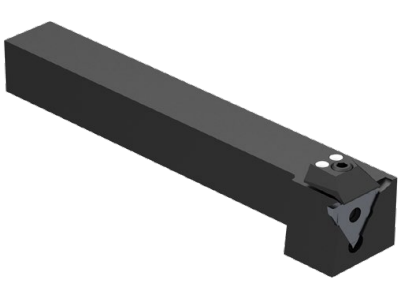

Guide pin

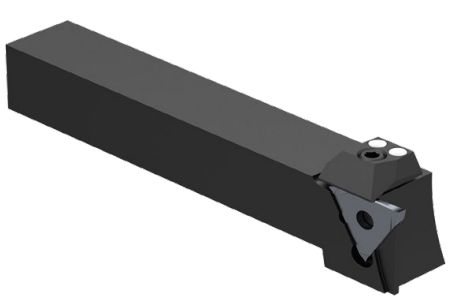
Spare parts for grooving inserts		Article no. EUR		Article no. EUR		Article no. EUR		Article no. EUR	
TX R/N/L ...1	SW3	2,09	70 950 176	23,84	73 950 020	M6x20	5,02	73 950 028	Ø 4x18	0,61	73 950 030
TX R/N/L ...2	SW3	2,09	70 950 176	23,84	73 950 020	M6x20	5,02	73 950 028	Ø 4x18	0,61	73 950 030
TX R/N/L ...3	SW3	2,09	70 950 176	23,84	73 950 020	M6x20	5,02	73 950 028	Ø 4x18	0,61	73 950 030
TX R/N/L ...4	SW3	2,09	70 950 176	26,48	73 950 022	M6x20	5,02	73 950 028	Ø 4x18	0,61	73 950 030

Left hand tooling and the rest of the comprehensive TX range are available in the main catalogue.


TX – Boring Bar


TX – 45° Tool Holder


TX – 90° Tool Holder
6 mm cutting depth


TX – 0° Tool Holder
8 mm cutting depth

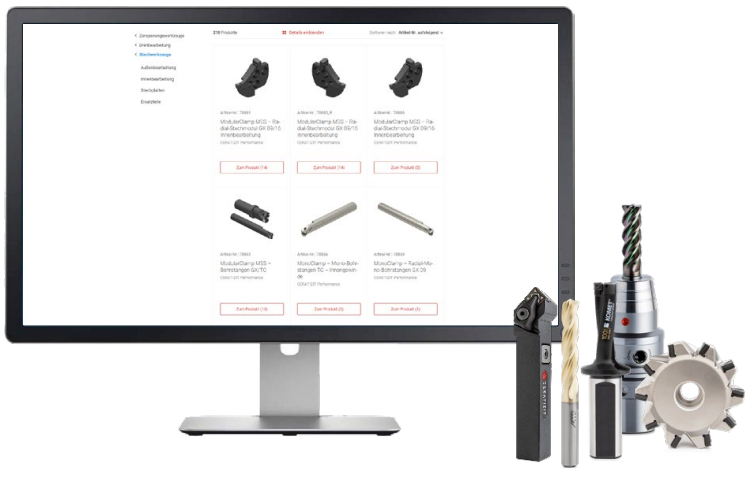
Grooving Tools guide (Main catalogue 2019)

Cutting Data 100–109
Chip Breakers Overview 121–124

It couldn't be easier

Ordering via the Online Shop

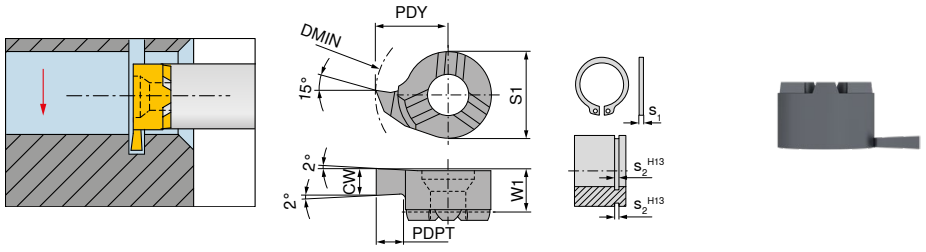
In the Online Shop you can select and order your tool with a mouse click, 24 hours a day, 7 days a week. All your transactions including those in the past can be viewed clearly and easily in the online shop. Register and use our Service: **cuttingtools.ceratizit.com**



MiniCut – Grooving insert

WNT \ Performance

CWX500



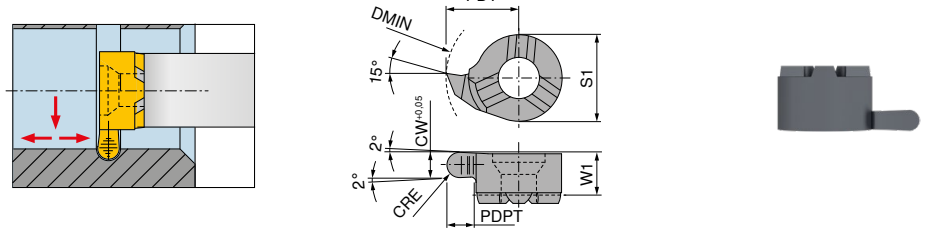
Size	Designation	DMIN	CW	PDPT	W1	PDY	S1	Right-hand Article no.	EUR
		mm	mm	mm	mm	mm	mm		
08	8,00. R .0,73.1,0	8	0,73	1,0	3,3	4,8	6	73 310 073	19,37
	8,00. R .0,83.1,0	8	0,83	1,0	3,3	4,8	6	73 310 083	19,37
	8,00. R .0,93.1,0	8	0,93	1,0	3,3	4,8	6	73 310 093	19,37
	8,00. R .1,00.1,0	8	1,00	1,0	3,3	4,8	6	73 310 110	19,37
	8,00. R .1,20.1,0	8	1,20	1,0	3,3	4,8	6	73 310 112	19,37
	8,00. R .1,40.1,0	8	1,40	1,0	3,3	4,8	6	73 310 114	19,37
	8,00. R .1,50.1,0	8	1,50	1,0	3,3	4,8	6	73 310 115	19,37
	8,00. R .1,70.1,0	8	1,70	1,0	3,3	4,8	6	73 310 117	19,37
	8,00. R .2,00.1,0	8	2,00	1,0	3,3	4,8	6	73 310 120	19,37
11	11,00. R .0,73.1,2	11	0,73	1,2	4,2	6,7	8	73 310 373	19,37
	11,00. R .0,83.1,3	11	0,83	1,3	4,2	6,7	8	73 310 383	19,37
	11,00. R .0,93.1,5	11	0,93	1,5	4,2	6,7	8	73 310 393	19,37
	11,00. R .1,00.2,3	11	1,00	2,3	4,2	6,7	8	73 310 310	19,37
	11,00. R .1,20.2,3	11	1,20	2,3	4,2	6,7	8	73 310 312	19,37
	11,00. R .1,40.2,3	11	1,40	2,3	4,2	6,7	8	73 310 314	19,37
	11,00. R .1,50.2,3	11	1,50	2,3	4,2	6,7	8	73 310 315	19,37
	11,00. R .1,70.2,3	11	1,70	2,3	4,2	6,7	8	73 310 317	19,37
	11,00. R .2,00.2,3	11	2,00	2,3	4,2	6,7	8	73 310 320	19,37
	11,00. R .2,50.2,3	11	2,50	2,3	4,2	6,7	8	73 310 325	19,37
	11,00. R .3,00.2,3	11	3,00	2,3	4,2	6,7	8	73 310 330	19,37
14	14,00. R .0,73.1,2	14	0,73	1,2	5,3	9,0	9	73 310 573	19,37
	14,00. R .0,83.1,3	14	0,83	1,3	5,3	9,0	9	73 310 583	19,37
	14,00. R .0,93.1,5	14	0,93	1,5	5,3	9,0	9	73 310 593	19,37
	14,00. R .1,20.4,0	14	1,20	4,0	5,3	9,0	9	73 310 512	19,37
	14,00. R .1,40.4,0	14	1,40	4,0	5,3	9,0	9	73 310 514	19,37
	14,00. R .1,50.4,0	14	1,50	4,0	5,3	9,0	9	73 310 515	19,37
	14,00. R .1,70.4,0	14	1,70	4,0	5,3	9,0	9	73 310 517	19,37
	14,00. R .2,00.4,0	14	2,00	4,0	5,3	9,0	9	73 310 520	19,37
	14,00. R .2,50.4,0	14	2,50	4,0	5,3	9,0	9	73 310 525	19,37
	14,00. R .3,00.4,0	14	3,00	4,0	5,3	9,0	9	73 310 530	19,37
16	16,00. R .0,73.1,2	16	0,73	1,2	5,4	10,2	11	73 310 773	23,60
	16,00. R .0,83.1,3	16	0,83	1,3	5,4	10,2	11	73 310 783	23,60
	16,00. R .0,93.1,5	16	0,93	1,5	5,4	10,2	11	73 310 793	23,60
	16,00. R .1,20.4,3	16	1,20	4,3	5,4	10,2	11	73 310 712	21,32
	16,00. R .1,40.4,3	16	1,40	4,3	5,4	10,2	11	73 310 714	21,32
	16,00. R .1,50.4,3	16	1,50	4,3	5,4	10,2	11	73 310 715	21,32
	16,00. R .1,70.4,3	16	1,70	4,3	5,4	10,2	11	73 310 717	21,32
	16,00. R .2,00.4,3	16	2,00	4,3	5,4	10,2	11	73 310 720	21,32
	16,00. R .2,50.4,3	16	2,50	4,3	5,4	10,2	11	73 310 725	21,32
	16,00. R .3,00.4,3	16	3,00	4,3	5,4	10,2	11	73 310 730	21,32
	16,00. R .3,50.4,3	16	3,50	4,3	5,4	10,2	11	73 310 735	21,32
	16,00. R .4,00.4,3	16	4,00	4,3	5,4	10,2	11	73 310 740	21,32

	Right-hand
Steel	●
Stainless steel	●
Cast iron	●
Non ferrous metals	●
Heat resistant alloys	●
Hardened materials	

MiniCut – Full radius grooving and turning insert

WNT \ Performance

CWX500



Size	Designation	DMIN	CW	PDPT	W1	PDY	S1	CRE	Right-hand Article no.	EUR
		mm	mm	mm	mm	mm	mm	mm		
08	8,00. R .0,80.1,0	8	0,8	1,0	3,3	4,8	6	0,4	73 318 008	24,15
	8,00. R .1,20.1,0	8	1,2	1,0	3,3	4,8	6	0,6	73 318 012	24,15
	8,00. R .1,80.1,0	8	1,8	1,0	3,3	4,8	6	0,9	73 318 018	24,15
11	11,00. R .0,80.2,3	11	0,8	2,3	4,2	6,7	8	0,4	73 318 308	24,45
	11,00. R .1,20.2,3	11	1,2	2,3	4,2	6,7	8	0,6	73 318 312	24,45
	11,00. R .1,80.2,3	11	1,8	2,3	4,2	6,7	8	0,9	73 318 318	24,45
	11,00. R .2,00.2,3	11	2,0	2,3	4,2	6,7	8	1,0	73 318 320	24,45
	11,00. R .3,00.2,3	11	3,0	2,3	4,2	6,7	8	1,5	73 318 330	24,45
14	14,00. R .1,20.4,0	14	1,2	4,0	5,3	9,0	9	0,6	73 318 512	25,87
	14,00. R .1,80.4,0	14	1,8	4,0	5,3	9,0	9	0,9	73 318 518	25,87
	14,00. R .2,00.4,0	14	2,0	4,0	5,3	9,0	9	1,0	73 318 520	25,87
	14,00. R .2,20.4,0	14	2,2	4,0	5,3	9,0	9	1,1	73 318 522	25,87
	14,00. R .3,00.4,0	14	3,0	4,0	5,3	9,0	9	1,5	73 318 530	25,87
16	16,00. R .1,80.4,3	16	1,8	4,3	5,4	10,2	11	0,9	73 318 718	26,15
	16,00. R .2,20.4,3	16	2,2	4,3	5,4	10,2	11	1,1	73 318 722	26,15
	16,00. R .3,00.4,3	16	3,0	4,3	5,4	10,2	11	1,5	73 318 730	26,15
	16,00. R .4,00.4,3	16	4,0	4,3	5,4	10,2	11	2,0	73 318 740	26,15

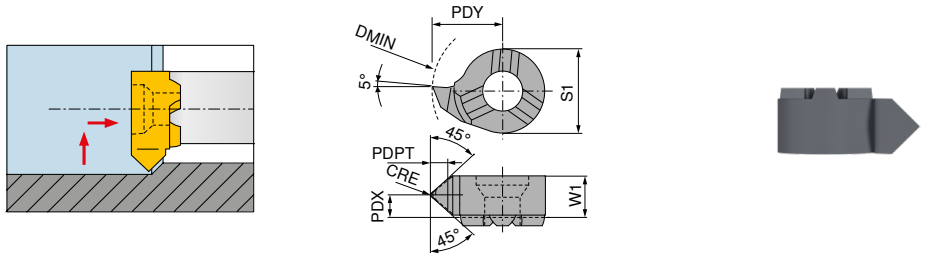
	Right-hand
Steel	●
Stainless steel	●
Cast iron	●
Non ferrous metals	●
Heat resistant alloys	●
Hardened materials	

MiniCut – Internal turning and chamfering insert

▲ CDX = ap_{max} (material dependant)

WNT \ Performance

CWX500



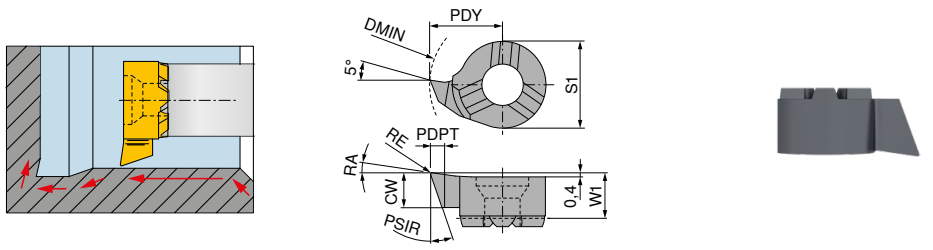
Size	Designation	DMIN	PDPT	W1	PDX	PDY	S1	CRE	CDX	Right-hand Article no.	EUR
		mm	mm	mm	mm	mm	mm	mm	mm		
08	8,00. R .45°.1,4	8	1,4	3,5	1,8	4,8	6	0,2	0,6	73 334 010	21,55
11	11,00. R .45°.1,5	11	1,5	4,3	2,2	6,7	8	0,2	1,0	73 334 310	21,55
14	14,00. R .45°.1,5	14	1,5	5,4	2,8	9,0	9	0,2	1,2	73 334 510	23,28

	Right-hand
Steel	●
Stainless steel	●
Cast iron	●
Non ferrous metals	●
Heat resistant alloys	●
Hardened materials	

MiniCut – Insert for turning and profiling

WNT \ Performance

CWX500



Size	Designation	DMIN	CW	W1	PDY	S1	RE	PDPT	PSIR	RA	Right-hand Article no.	EUR
		mm	mm	mm	mm	mm	mm	mm	°	°		
08	8,00. R .3,30.18°	7,8	3,3	3,5	4,65	6	0,2	0,6	18	8	73 322 033	22,42
11	9,80. R .3,90.18°	9,8	3,9	4,2	5,50	8	0,2	1,0	18	8	73 322 139	22,42
	11,00. R .3,90.18°	11,0	3,9	4,2	6,70	8	0,2	1,0	18	8	73 322 339	22,18
14	14,00. R .5,00.18°	13,8	5,0	5,1	8,70	9	0,2	1,5	18	8	73 322 550	22,18
16	15,50. R .5,00.18°	15,5	5,0	5,4	9,70	11	0,2	1,5	18	8	73 322 750	24,23

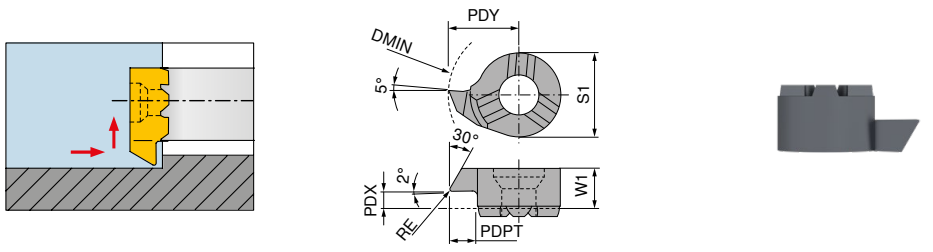
	Right-hand
Steel	●
Stainless steel	●
Cast iron	●
Non ferrous metals	●
Heat resistant alloys	●
Hardened materials	

MiniCut – Back boring insert

▲ CDX = ap_{max} (material dependant)

WNT \ Performance

CWX500



Size	Designation	DMIN	PDPT	W1	PDX	PDY	S1	RE	CDX	Right-hand Article no.	EUR
		mm	mm	mm	mm	mm	mm	mm	mm		
08	8,00. R .30°.1,3	7,8	1,3	3,5	1,0	4,65	6	0,2	0,6	73 330 013	25,80
11	11,00. R .30°.2,3	11,0	2,3	4,3	1,6	6,70	8	0,2	1,0	73 330 323	25,26
14	14,00. R .30°.3,5	13,8	3,5	5,4	2,4	8,70	9	0,2	1,5	73 330 535	25,80

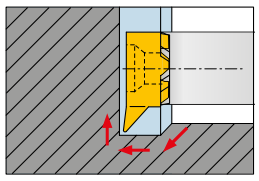
	Right-hand
Steel	●
Stainless steel	●
Cast iron	●
Non ferrous metals	●
Heat resistant alloys	●
Hardened materials	

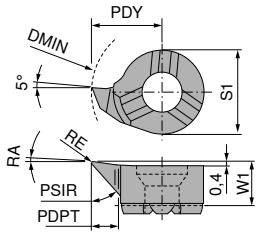
MiniCut – Internal undercut insert

▲ CDX = ap_{max} (material dependant)

WNT \ Performance

CWX500







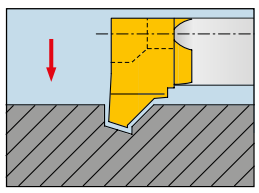
Size	Designation	DMIN	PDPT	W1	PDY	S1	RE	CDX	PSIR	RA	Right-hand Article no.	EUR
		mm	mm	mm	mm	mm	mm	mm	°	°		
08	8,00. R .30°.1,0	7,8	1,0	3,5	4,65	6	0,2	0,4	30	3	73 326 010	25,89
	8,00. R .47°.1,2	7,8	1,2	3,5	4,65	6	0,2	0,4	47	3	73 326 012	22,50
11	11,00. R .30°.2,3	11,0	2,3	4,2	6,70	8	0,2	0,6	30	3	73 326 423	25,29
	11,00. R .47°.2,3	11,0	2,3	4,2	6,70	8	0,2	0,6	47	3	73 326 323	21,90
14	13,70. R .47°.3,0	13,7	3,0	5,3	8,70	9	0,2	0,8	47	3	73 326 530	22,50
	13,70. R .30°.4,0	13,7	4,0	5,3	8,70	9	0,2	0,8	30	3	73 326 540	25,89

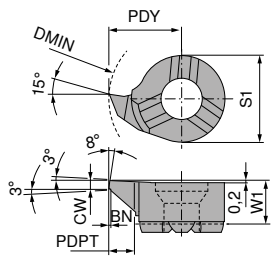
Steel	●
Stainless steel	●
Cast iron	●
Non ferrous metals	●
Heat resistant alloys	●
Hardened materials	

MiniCut – Insert for pregrooving and chamfering

WNT \ Performance

CWX500





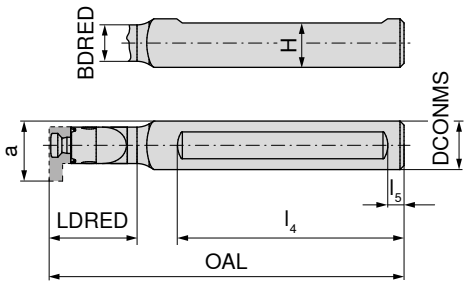


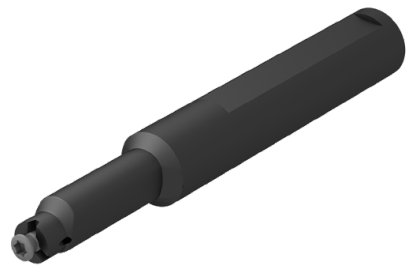
Size	Designation	DMIN	CW	PDPT	W1	PDY	S1	BN	Right-hand Article no.	EUR
		mm	mm	mm	mm	mm	mm	mm		
08	8,00. R .1,00.45°	8	1	1,0	3,3	4,8	6	0,2	73 338 100	21,90
11	11,00. R .1,00.45°	11	1	1,5	4,2	6,7	8	0,2	73 338 315	21,90
14	14,00. R .1,00.45°	14	1	1,5	5,3	9,0	9	0,2	73 338 515	21,90
16	16,00. R .1,00.45°	16	1	1,5	5,4	10,2	11	0,2	73 338 715	21,90

Steel	●
Stainless steel	●
Cast iron	●
Non ferrous metals	●
Heat resistant alloys	●
Hardened materials	

MiniCut – Steel Tool holder

WNT \ Performance





Designation	a	DCONMS $_{f7}$	OAL	l_4	LDRED	BDRED	H	l_5	Article no.	EUR
	mm	mm	mm	mm	mm	mm	mm	mm		
8,00/16.N.12.1,0	7,8	16	80	60	12	6	15,0	5	73 522 012	84,70
8,00/16.N.22.1,0	7,8	16	90	60	22	6	15,0	5	73 522 122	96,80
11,00/16.N.16.2,3	10,7	16	97	60	16	8	14,5	5	73 522 016	84,70
11,00/16.N.29.2,3	10,7	16	110	60	29	8	14,5	5	73 522 129	96,80
14,00/16.N.18.4,0	13,8	16	100	60	18	11	14,5	5	73 522 018	96,80
14,00/16.N.38.4,0	13,8	16	120	60	38	11	14,5	5	73 522 138	96,80
16,00/16.N.22.4,3	15,7	16	100	60	22	11	14,5	5	73 522 022	84,70
16,00/16.N.42.4,3	15,7	16	120	60	42	11	14,5	5	73 522 142	96,80

Spare parts

Key D

Clamping screw

Size			EUR				EUR	
08	T08	6,24	80 950 110	M2,6	4,32	73 082 002		
11	T10	7,29	80 950 112	M3,5	4,32	73 082 003		
14	T15	7,41	80 950 113	M4	4,32	73 082 004		
16	T20	7,93	80 950 114	M5	4,32	73 082 005		

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- All under one roof



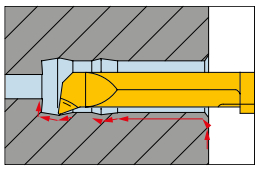
Customer Service Centre
Freephone: 1800 93 22 55

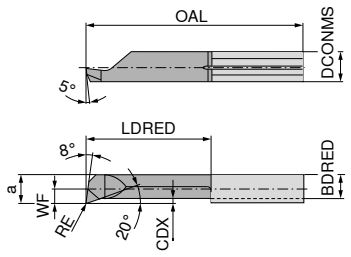
Ordering via the Online Shop
http://cuttingtools.ceratizit.com

UltraMini – Inserts for internal turning and profiling

▲ CDX = Maximum depth of cut when turning outwards

WNT \ Performance





TiN



TiAlN

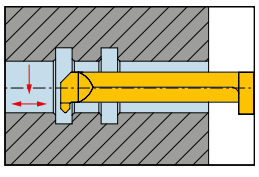


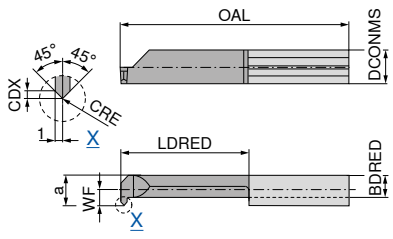
Designation	DCONMS $_{h6}$	WF	DMIN	a	OAL	LDRED	CDX	BDRED	RE	Standard tool holder	Right-hand Article no.		Right-hand Article no.	
	mm	mm	mm	mm	mm	mm	mm	mm	mm			EUR		EUR
R 050.2-5	4		2,0	1,7	19	5	0,1	1,5	0,05	645.00..-D	73 004 520	27,76		
R 050.2-10	4		2,0	1,7	24	10	0,1	1,5	0,05	645.00..-D	73 004 521	30,26		
R 050.2-15	4		2,0	1,7	29	15	0,1	1,5	0,05	645.00..-D	73 004 522	30,01		
R 050.3-10	4	0,6	2,8	2,6	24	10	0,2	2,3	0,10	645.00..-D	73 004 531	31,91		
R 050.3-16	4	0,6	2,8	2,6	30	16	0,2	2,3	0,10	645.00..-D	73 004 530	35,00		
R 050.3-20	4	0,6	2,8	2,6	34	20	0,2	2,3	0,10	645.00..-D	73 004 532	34,96		
R 050.4-10	4	1,5	4,0	3,5	24	10	0,3	3,0	0,10	645.00..-D	73 004 541	31,47	73 004 841	30,18
R 050.4-16	4	1,5	4,0	3,5	30	16	0,3	3,0	0,10	645.00..-D	73 004 540	31,47	73 004 840	31,91
R 050.4-20	4	1,5	4,0	3,5	34	20	0,3	3,0	0,10	645.00..-D	73 004 542	33,54	73 004 842	35,68
R 050.4-24	4	1,5	4,0	3,5	38	24	0,3	3,0	0,10	645.00..-D	73 004 545	39,31	73 004 845	40,51
R 050.4-28	4	1,5	4,0	3,5	42	28	0,3	3,0	0,10	645.00..-D	73 004 546	43,05	73 004 846	45,10
R 050.5-10	5	1,9	5,0	4,4	25	10	0,5	3,8	0,15	645.00..-D	73 004 551	29,78	73 004 851	28,28
R 050.5-15	5	1,9	5,0	4,4	30	15	0,5	3,8	0,15	645.00..-D	73 004 552	31,72	73 004 852	30,18
R 050.5-20	5	1,9	5,0	4,4	35	20	0,5	3,8	0,15	645.00..-D	73 004 550	32,56	73 004 850	34,75
R 050.5-25	5	1,9	5,0	4,4	40	25	0,5	3,8	0,15	645.00..-D	73 004 553	36,78	73 004 853	39,31
R 050.5-30	5	1,9	5,0	4,4	45	30	0,5	3,8	0,15	645.00..-D	73 004 554	40,44	73 004 854	44,32
R 050.5-35	5	1,9	5,0	4,4	50	35	0,5	3,8	0,15	645.00..-D	73 004 556	46,94	73 004 856	49,15
R/L 050.5-40	5	1,9	5,0	4,4	55	40	0,5	3,8	0,15	645.00..-D			73 004 857	53,42
R 050.6-15	6	2,3	6,0	5,3	30	15	0,5	4,5	0,15	676.00..-D	73 004 561	31,13	73 004 861	30,18
R 050.6-22	6	2,3	6,0	5,3	37	22	0,5	4,5	0,15	676.00..-D	73 004 560	33,89	73 004 860	34,75
R 050.6-25	6	2,3	6,0	5,3	40	25	0,5	4,5	0,15	676.00..-D	73 004 562	36,04	73 004 862	39,31
R 050.6-30	6	2,3	6,0	5,3	45	30	0,5	4,5	0,15	676.00..-D	73 004 563	40,96	73 004 863	44,32
R 050.6-35	6	2,3	6,0	5,3	50	35	0,5	4,5	0,15	676.00..-D	73 004 564	46,94	73 004 864	49,15
R 050.6-42	6	2,3	6,0	5,3	57	42	0,5	4,5	0,15	676.00..-D	73 004 565	53,38	73 004 865	54,92
R 050.7-20	7	2,8	6,8	6,3	35	20	0,6	5,5	0,15	676.00..-D	73 004 572	34,58	73 004 872	34,25
R 050.7-25	7	2,8	6,8	6,3	40	25	0,6	5,5	0,15	676.00..-D	73 004 573	42,76	73 004 873	39,75
R 050.7-30	7	2,8	6,8	6,3	45	30	0,6	5,5	0,15	676.00..-D	73 004 574	43,36	73 004 874	44,14
R 050.7-35	7	2,8	7,0	6,3	50	35	0,6	5,5	0,15	676.00..-D	73 004 575	50,00	73 004 875	50,00
R 050.7-40	7	2,8	7,0	6,3	55	40	0,6	5,5	0,15	676.00..-D	73 004 576	55,69	73 004 876	55,69
R 050.7-45	7	2,8	7,0	6,3	60	45	0,6	5,5	0,15	676.00..-D	73 004 577	57,94	73 004 877	57,94
R 050.7-50	7	2,8	7,0	6,3	65	50	0,6	5,5	0,15	676.00..-D	73 004 578	63,54	73 004 878	63,54
Steel											●		●	
Stainless steel											●		●	
Cast iron											○		●	
Non ferrous metals											○		●	
Heat resistant alloys											○		●	
Hardened materials														

UltraMini – Inserts for internal turning and chamfering

▲ CDX = Maximum depth of cut when turning outwards

WNT \ Performance





TiN



Designation	DCONMS $_{h6}$	WF	DMIN	a	OAL	LDRED	CDX	BDRED	CRE	Standard tool holder	Right-hand Article no.	
	mm	mm	mm	mm	mm	mm	mm	mm	mm			EUR
R 060.5-15	5	1,9	5,0	4,4	30	15	0,7	3,3	0,2	645.00..-D	73 006 551	28,45
R 060.5-20	5	1,9	5,0	4,4	35	20	0,7	3,3	0,2	645.00..-D	73 006 550	31,66
R 060.7-20	7	2,7	6,8	6,3	35	20	0,7	3,8	0,2	676.00..-D	73 006 570	33,02
Steel											●	
Stainless steel											●	
Cast iron											○	
Non ferrous metals											○	
Heat resistant alloys											○	
Hardened materials												

Technical support: 1800 93 22 55
3 time served engineers, available from 8:00 am to 6:30 pm, Monday to Friday

Order by 6:30 pm and get free,
guaranteed before 12 noon, next day delivery

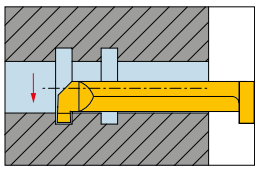
UltraMini – Inserts for Internal Grooving

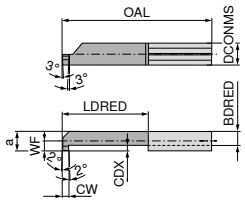
▲ CDX = Maximum depth of cut when turning outwards



WNT \ Performance

TiN







Right-hand

Designation	DCONMS h6	WF	DMIN	a	OAL	LDRED	CDX	BDRED	CW	Standard tool holder	Article no.	EUR
	mm	mm	mm	mm	mm	mm	mm	mm	mm			
R 004.0100-10	4	1,5	4,0	3,5	24	10	0,8	2,4	1,0	645.00..-D	73 002 540	28,03
R 004.0100-16	4	1,5	4,0	3,5	30	16	0,8	2,4	1,0	645.00..-D	73 002 541	34,23
R 004.0100-20	4	1,5	4,0	3,5	34	20	0,8	2,4	1,0	645.00..-D	73 002 542	36,89
R 005.0100-10	5	1,9	5,0	4,4	25	10	1,0	3,3	1,0	645.00..-D	73 002 650	27,58
R 005.0200-10	5	1,9	5,0	4,4	25	10	1,0	3,3	2,0	645.00..-D	73 002 658	28,55
R 005.0150-10	5	1,9	5,0	4,4	25	10	1,0	3,3	1,5	645.00..-D	73 002 654	28,55
R 005.0100-15	5	1,9	5,0	4,4	30	15	1,0	3,3	1,0	645.00..-D	73 002 651	32,31
R 005.0150-15	5	1,9	5,0	4,4	30	15	1,0	3,3	1,5	645.00..-D	73 002 655	32,31
R 005.0200-15	5	1,9	5,0	4,4	30	15	1,0	3,3	2,0	645.00..-D	73 002 659	32,31
R 005.0200-20	5	1,9	5,0	4,4	35	20	1,0	3,3	2,0	645.00..-D	73 002 553	36,58
R 005.0150-20	5	1,9	5,0	4,4	35	20	1,0	3,3	1,5	645.00..-D	73 002 552	36,58
R 005.0100-20	5	1,9	5,0	4,4	35	20	1,0	3,3	1,0	645.00..-D	73 002 551	36,58
R 005.0100-25	5	1,9	5,0	4,4	40	25	1,0	3,3	1,0	645.00..-D	73 002 652	40,51
R 005.0200-25	5	1,9	5,0	4,4	40	25	1,0	3,3	2,0	645.00..-D	73 002 750	40,79
R 005.0150-25	5	1,9	5,0	4,4	40	25	1,0	3,3	1,5	645.00..-D	73 002 656	40,51
R 005.0100-30	5	1,9	5,0	4,4	45	30	1,0	3,3	1,0	645.00..-D	73 002 653	45,10
R 005.0200-30	5	1,9	5,0	4,4	45	30	1,0	3,3	2,0	645.00..-D	73 002 751	45,44
R 005.0150-30	5	1,9	5,0	4,4	45	30	1,0	3,3	1,5	645.00..-D	73 002 657	45,10
R 005.0100-35	5	1,9	5,0	4,4	50	35	1,0	3,3	1,0	645.00..-D	73 002 680	49,23
R 006.0100-10	6	2,3	6,0	5,3	25	10	1,8	3,4	1,0	676.00..-D	73 002 660	28,08
R 006.0150-10	6	2,3	6,0	5,3	25	10	1,8	3,4	1,5	676.00..-D	73 002 664	26,90
R 006.0200-10	6	2,3	6,0	5,3	25	10	1,8	3,4	2,0	676.00..-D	73 002 668	28,08
R 006.0150-15	6	2,3	6,0	5,3	30	15	1,8	3,4	1,5	676.00..-D	73 002 665	32,56
R 006.0200-15	6	2,3	6,0	5,3	30	15	1,8	3,4	2,0	676.00..-D	73 002 669	32,56
R 006.0100-15	6	2,3	6,0	5,3	30	15	1,8	3,4	1,0	676.00..-D	73 002 661	32,56
R 006.0200-22	6	2,3	6,0	5,3	37	22	1,8	3,4	2,0	676.00..-D	73 002 563	36,83
R 006.0150-22	6	2,3	6,0	5,3	37	22	1,8	3,4	1,5	676.00..-D	73 002 562	36,83
R 006.0100-22	6	2,3	6,0	5,3	37	22	1,8	3,4	1,0	676.00..-D	73 002 561	36,83
R 006.0100-25	6	2,3	6,0	5,3	40	25	1,8	3,4	1,0	676.00..-D	73 002 662	40,79
R 006.0200-25	6	2,3	6,0	5,3	40	25	1,8	3,4	2,0	676.00..-D	73 002 760	40,79
R 006.0150-25	6	2,3	6,0	5,3	40	25	1,8	3,4	1,5	676.00..-D	73 002 666	40,79
R 006.0150-30	6	2,3	6,0	5,3	45	30	1,8	3,4	1,5	676.00..-D	73 002 667	45,44
R 006.0200-30	6	2,3	6,0	5,3	45	30	1,8	3,4	2,0	676.00..-D	73 002 761	45,44
R 006.0100-30	6	2,3	6,0	5,3	45	30	1,8	3,4	1,0	676.00..-D	73 002 663	45,44
R 006.0150-35	6	2,3	6,0	5,3	50	35	1,8	3,4	1,5	676.00..-D	73 002 684	49,23
R 006.0100-35	6	2,3	6,0	5,3	50	35	1,8	3,4	1,0	676.00..-D	73 002 682	49,23
R 006.0100-42	6	2,3	6,0	5,3	57	42	1,8	3,4	1,0	676.00..-D	73 002 685	55,26
R 007.0200-10	7	2,7	6,8	6,3	25	10	2,5	3,8	2,0	676.00..-D	73 002 670	28,55
R 007.0150-10	7	2,7	6,8	6,3	25	10	2,5	3,8	1,5	676.00..-D	73 002 575	28,55
R 007.0100-10	7	2,7	6,8	6,3	25	10	2,5	3,8	1,0	676.00..-D	73 002 570	28,55
R 007.0150-15	7	2,7	6,8	6,3	30	15	2,5	3,8	1,5	676.00..-D	73 002 576	32,90
R 007.0200-15	7	2,7	6,8	6,3	30	15	2,5	3,8	2,0	676.00..-D	73 002 671	31,47
R 007.0100-15	7	2,7	6,8	6,3	30	15	2,5	3,8	1,0	676.00..-D	73 002 571	32,90
R 007.0200-22	7	2,7	6,8	6,3	37	22	2,5	3,8	2,0	676.00..-D	73 002 672	37,59
R 007.0150-22	7	2,7	6,8	6,3	37	22	2,5	3,8	1,5	676.00..-D	73 002 577	37,59
R 007.0100-22	7	2,7	6,8	6,3	37	22	2,5	3,8	1,0	676.00..-D	73 002 572	37,59
R 007.0150-25	7	2,7	6,8	6,3	40	25	2,5	3,8	1,5	676.00..-D	73 002 578	41,22
R 007.0200-25	7	2,7	6,8	6,3	40	25	2,5	3,8	2,0	676.00..-D	73 002 673	40,61
R 007.0100-25	7	2,7	6,8	6,3	40	25	2,5	3,8	1,0	676.00..-D	73 002 573	41,22
R 007.0200-30	7	2,7	6,8	6,3	45	30	2,5	3,8	2,0	676.00..-D	73 002 674	43,36
R 007.0150-30	7	2,7	6,8	6,3	45	30	2,5	3,8	1,5	676.00..-D	73 002 579	44,74
R 007.0100-30	7	2,7	6,8	6,3	45	30	2,5	3,8	1,0	676.00..-D	73 002 574	46,21
R 007.0200-35	7	2,7	7,0	6,3	50	35	2,5	3,8	2,0	676.00..-D	73 002 692	50,61
R 007.0150-35	7	2,7	7,0	6,3	50	35	2,5	3,8	1,5	676.00..-D	73 002 690	50,61
R 007.0100-35	7	2,7	7,0	6,3	50	35	2,5	3,8	1,0	676.00..-D	73 002 688	50,61
R 007.0150-40	7	2,7	7,0	6,3	55	40	2,5	3,8	1,5	676.00..-D	73 002 702	56,12
R 007.0100-40	7	2,7	7,0	6,3	55	40	2,5	3,8	1,0	676.00..-D	73 002 700	56,12
R 007.0100-45	7	2,7	7,0	6,3	60	45	2,5	3,8	1,0	676.00..-D	73 002 712	60,96
R 007.0100-50	7	2,7	7,0	6,3	65	50	2,5	3,8	1,0	676.00..-D	73 002 714	65,18

Steel	●
Stainless steel	●
Cast iron	○
Non ferrous metals	○
Heat resistant alloys	○
Hardened materials	

UltraMini – Inserts for internal turning and profiling

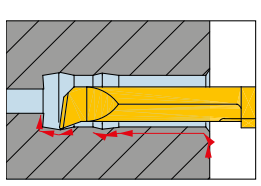
▲ with chip former

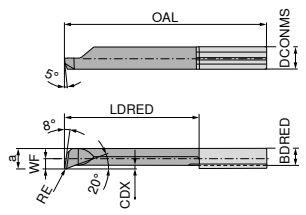
▲ CDX = Maximum depth of cut when turning outwards



WNT \ Performance

TiAlN







Right-hand

Designation	DCONMS h6	WF	DMIN	a	OAL	LDRED	CDX	BDRED	RE	Standard tool holder	Article no.	EUR
	mm	mm	mm	mm	mm	mm	mm	mm	mm			
R 050.4-10C	4	1,5	4	3,5	24	10	0,3	3,0	0,2	645.00..-D	73 016 410	30,18
R 050.4-16C	4	1,5	4	3,5	30	16	0,3	3,0	0,2	645.00..-D	73 016 416	31,91
R 050.4-20C	4	1,5	4	3,5	34	20	0,3	3,0	0,2	645.00..-D	73 016 420	35,68
R 050.4-24C	4	1,5	4	3,5	38	24	0,3	3,0	0,2	645.00..-D	73 016 424	40,51
R 050.4-28C	4	1,5	4	3,5	42	28	0,3	3,0	0,2	645.00..-D	73 016 428	45,10
R 050.5-10C	5	1,9	5	4,4	25	10	0,5	3,8	0,2	645.00..-D	73 016 510	28,28
R 050.5-15C	5	1,9	5	4,4	30	15	0,5	3,8	0,2	645.00..-D	73 016 515	30,18
R 050.5-20C	5	1,9	5	4,4	35	20	0,5	3,8	0,2	645.00..-D	73 016 520	34,75
R 050.5-25C	5	1,9	5	4,4	40	25	0,5	3,8	0,2	645.00..-D	73 016 525	39,31
R 050.5-30C	5	1,9	5	4,4	45	30	0,5	3,8	0,2	645.00..-D	73 016 530	44,32
R 050.5-35C	5	1,9	5	4,4	50	35	0,5	3,8	0,2	645.00..-D	73 016 535	49,15
R 050.6-15C	6	2,3	6	5,3	30	15	0,5	4,5	0,2	676.00..-D	73 016 615	30,18
R 050.6-22C	6	2,3	6	5,3	37	22	0,5	4,5	0,2	676.00..-D	73 016 622	34,75
R 050.6-25C	6	2,3	6	5,3	40	25	0,5	4,5	0,2	676.00..-D	73 016 625	39,31
R 050.6-30C	6	2,3	6	5,3	45	30	0,5	4,5	0,2	676.00..-D	73 016 630	44,32
R 050.6-35C	6	2,3	6	5,3	50	35	0,5	4,5	0,2	676.00..-D	73 016 635	49,15
R 050.6-42C	6	2,3	6	5,3	57	42	0,5	4,5	0,2	676.00..-D	73 016 642	54,92
R 050.7-20C	7	2,8	7	6,3	35	20	0,6	5,5	0,2	676.00..-D	73 016 720	34,25
R 050.7-25C	7	2,8	7	6,3	40	25	0,6	5,5	0,2	676.00..-D	73 016 725	39,75
R 050.7-30C	7	2,8	7	6,3	45	30	0,6	5,5	0,2	676.00..-D	73 016 730	44,14
R 050.7-35C	7	2,8	7	6,3	50	35	0,6	5,5	0,2	676.00..-D	73 016 735	50,00
R 050.7-40C	7	2,8	7	6,3	55	40	0,6	5,5	0,2	676.00..-D	73 016 740	55,69
R 050.7-45C	7	2,8	7	6,3	60	45	0,6	5,5	0,2	676.00..-D	73 016 745	57,94
R 050.7-50C	7	2,8	7	6,3	65	50	0,6	5,5	0,2	676.00..-D	73 016 750	63,54

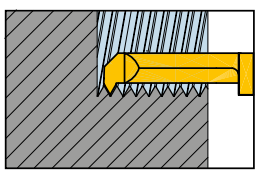
Steel	●
Stainless steel	●
Cast iron	●
Non ferrous metals	●
Heat resistant alloys	●
Hardened materials	

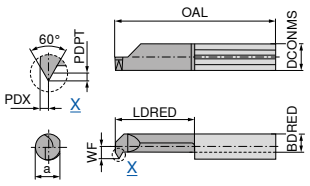
UltraMini – Inserts for internal threading (Partial profile)



WNT \ Performance

TiN







Right-hand

Designation	DCONMS h6	WF	DMIN	a	OAL	LDRED	BDRED	PDPT	PDX	Standard tool holder	Article no.	EUR
	mm	mm	mm	mm	mm	mm	mm	mm	mm			
R 005.0510-15	5	1,9	4,8	4,4	30	15	3,3	0,55	0,55	645.00..-D	73 100 545	31,61
R 005.0510-20	5	1,9	4,8	4,4	35	20	3,3	0,55	0,55	645.00..-D	73 100 544	32,93
R 006.0612-15	6	2,3	6,0	5,3	30	15	3,4	0,68	0,65	676.00..-D	73 100 547	31,61
R 006.0815-15	6	2,3	6,0	5,3	30	15	3,4	0,81	0,75	676.00..-D	73 100 549	32,02
R 006.0815-22	6	2,3	6,0	5,3	37	22	3,4	0,81	0,75	676.00..-D	73 100 548	32,69
R 006.0612-22	6	2,3	6,0	5,3	37	22	3,4	0,68	0,65	676.00..-D	73 100 546	32,69
R 007.0815-15	7	2,7	7,0	6,3	30	15	3,8	0,81	0,75	676.00..-D	73 100 550	32,69

Steel	●
Stainless steel	●
Cast iron	○
Non ferrous metals	○
Heat resistant alloys	○
Hardened materials	

Customer Service Centre
Freephone: 1800 93 22 55

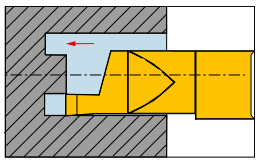
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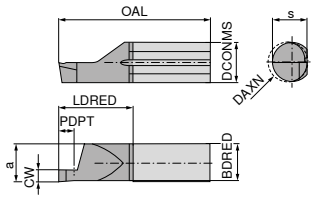
UltraMini – Inserts for axial grooving



WNT \ Performance

TiN







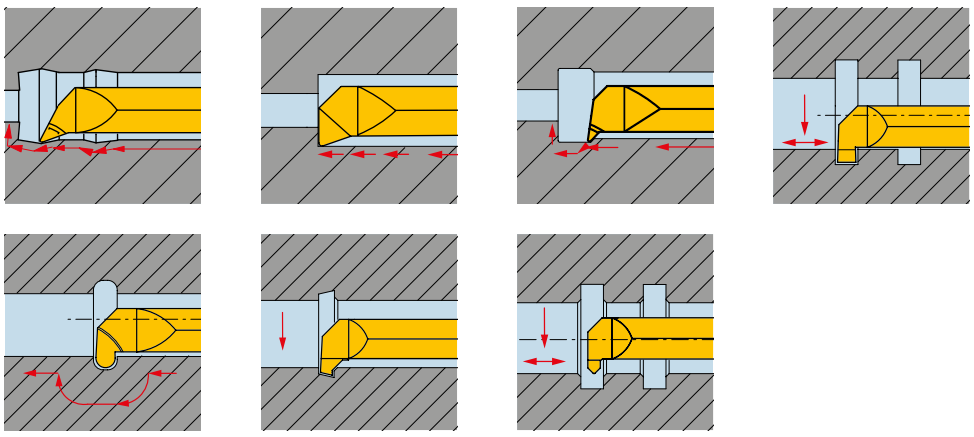
Right-hand

Designation	DCONMS $_{h6}$	a	DAXN	s	OAL	LDRED	BDRED	PDPT	CW	Standard tool holder	Article no.	EUR
	mm	mm	mm	mm	mm	mm	mm	mm	mm			
R 010.1006-10	6	5,2	6	5,3	26	11	4,9	1,5	1,0	676.00..-D	73 050 561	35,18
R 010.1506-10	6	5,2	6	5,3	26	11	4,9	2,0	1,5	676.00..-D	73 050 563	35,18
R 010.1008-10	7	5,9	8	6,3	26	11	5,6	1,5	1,0	676.00..-D	73 050 571	35,96
R 010.1008-30	7	5,9	8	6,3	45	30	5,6	1,5	1,0	676.00..-D	73 050 771	40,51
R 010.1008-20	7	5,9	8	6,3	35	20	5,6	1,5	1,0	676.00..-D	73 050 671	38,45
R 010.1508-20	7	5,9	8	6,3	35	20	5,6	2,5	1,5	676.00..-D	73 050 673	37,13
R 010.1508-30	7	5,9	8	6,3	45	30	5,6	2,5	1,5	676.00..-D	73 050 773	40,51
R 010.1508-10	7	5,9	8	6,3	26	11	5,6	2,5	1,5	676.00..-D	73 050 573	34,85
R 010.2008-20	7	5,9	8	6,3	35	20	5,6	3,0	2,0	676.00..-D	73 050 675	37,13
R 010.2008-30	7	5,9	8	6,3	45	30	5,6	3,0	2,0	676.00..-D	73 050 775	40,51
R 010.2008-10	7	5,9	8	6,3	26	11	5,6	3,0	2,0	676.00..-D	73 050 575	34,85
R 010.2508-20	7	5,9	8	6,3	35	20	5,6	3,5	2,5	676.00..-D	73 050 677	38,45
R 010.3008-20	7	5,9	8	6,3	35	20	5,6	3,5	3,0	676.00..-D	73 050 679	37,13
R 010.2508-30	7	5,9	8	6,3	45	30	5,6	3,5	2,5	676.00..-D	73 050 777	40,51
R 010.3008-10	7	5,9	8	6,3	26	11	5,6	3,5	3,0	676.00..-D	73 050 579	35,96
R 010.3008-30	7	5,9	8	6,3	45	30	5,6	3,5	3,0	676.00..-D	73 050 779	40,51
R 010.2508-10	7	5,9	8	6,3	26	11	5,6	3,5	2,5	676.00..-D	73 050 577	35,96

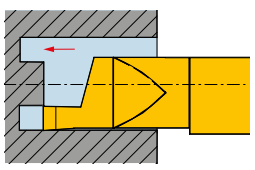
Steel	●
Stainless steel	●
Cast iron	○
Non ferrous metals	○
Heat resistant alloys	○
Hardened materials	

Internal turning and profiling, grooving and chamfering

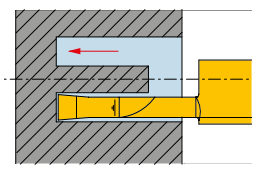
From Diameter 2.0 mm onwards up to a turning depth of 15.0 mm



Axial grooving

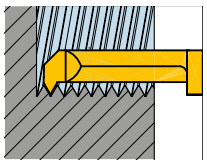


Minimum external diameter of groove 6.0 mm
At 1.5 mm grooving width
Up to 2.0 mm grooving depth



Minimum external diameter of groove 15.0 mm
At 3.0 mm grooving width
Up to 30.0 mm grooving depth

Thread turning



Turning of external threads from diameter 4.0 mm onwards
- Metric standard and fine thread
- Whitworth pipe threads

Miniature turning tools guide (Main catalogue 2019)

Cutting Data	59–61	Broaching – Recommendations for Correct Use	62
Symbol explanation, coatings and thread types	63		

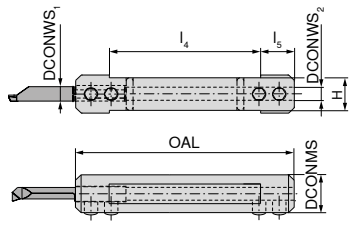
The rest of the comprehensive UltraMini range is available in the main catalogue.

UltraMini – Standard tool holder for cutting inserts

- double ended
- Machining diameter from Ø 0.2 mm

Scope of supply:
Tool holder with allen key

WNT \ Performance





Designation	DCONWS$_1$	DCONWS$_2$	DCONMS	OAL	l_4	l_5	H	Article no.	EUR
	mm	mm	mm	mm	mm	mm	mm		
645.0012-D	4	5	12	75	55	10	10,3	73 080 163	75,90
645.0016-D	4	5	16	75	55	10	14,0	73 080 164	80,30
645.0020-D	4	5	20	90	70	10	18,0	73 080 165	85,80
676.0016-D	6	7	16	75	55	10	14,0	73 080 166	80,30
676.0020-D	6	7	20	90	70	10	18,0	73 080 167	85,80



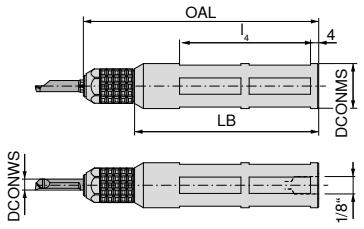
Clamping screw

Spare parts DCONWS$_1$		Article no.	EUR
4	M5x6	73 082 001	3,48
6	M5x6	73 082 001	3,48

UltraMini – Quick change tool holder for cutting inserts

Scope of supply:
Tool holder, lock nut and clamping wedge

WNT \ Performance





Designation	DCONWS	DCONMS $_{g6}$	OAL	LB	l_4	Article no.	EUR
	mm	mm	mm	mm	mm		
UM600H.0012.4	4	12,00	115	90	64	73 089 124	144,10
UM600H.0016.4	4	16,00	115	90	64	73 089 164	130,90
UM600H.001905.4	4	19,05	115	90	64	73 089 194	139,70
UM600H.0020.4	4	20,00	115	90	64	73 089 204	137,50
UM600H.0022.4	4	22,00	115	90	64	73 089 224	140,80
UM600H.0025.4	4	25,00	115	90	64	73 089 254	143,00
UM600H.00254.4	4	25,40	115	90	64	73 089 264	146,30
UM600H.0028.4	4	28,00	115	90	64	73 089 284	146,30
UM600H.0012.5	5	12,00	115	90	64	73 089 125	144,10
UM600H.0016.5	5	16,00	115	90	64	73 089 165	130,90
UM600H.001905.5	5	19,05	115	90	64	73 089 195	139,70
UM600H.0020.5	5	20,00	115	90	64	73 089 205	137,50
UM600H.0022.5	5	22,00	115	90	64	73 089 225	140,80
UM600H.0025.5	5	25,00	115	90	64	73 089 255	143,00
UM600H.00254.5	5	25,40	115	90	64	73 089 265	146,30
UM600H.0028.5	5	28,00	115	90	64	73 089 285	146,30
UM600H.0012.6	6	12,00	115	90	64	73 089 126	144,10
UM600H.0016.6	6	16,00	115	90	64	73 089 166	130,90
UM600H.001905.6	6	19,05	115	90	64	73 089 196	139,70
UM600H.0020.6	6	20,00	115	90	64	73 089 206	137,50
UM600H.0022.6	6	22,00	115	90	64	73 089 226	140,80
UM600H.0025.6	6	25,00	115	90	64	73 089 256	143,00
UM600H.00254.6	6	25,40	115	90	64	73 089 266	146,30
UM600H.0028.6	6	28,00	115	90	64	73 089 286	146,30
UM600H.0012.7	7	12,00	115	90	64	73 089 127	144,10
UM600H.0016.7	7	16,00	115	90	64	73 089 167	130,90
UM600H.001905.7	7	19,05	115	90	64	73 089 197	139,70
UM600H.0020.7	7	20,00	115	90	64	73 089 207	137,50
UM600H.0022.7	7	22,00	115	90	64	73 089 227	140,80
UM600H.0025.7	7	25,00	115	90	64	73 089 257	143,00
UM600H.00254.7	7	25,40	115	90	64	73 089 267	146,30
UM600H.0028.7	7	28,00	115	90	64	73 089 287	146,30

Avoid pulling cuts. When using thro' coolant supply, tighten using key!



Lock nut UM600H



Clamping wedge UM600H

Spare parts DCONWS		Article no.	EUR	Article no.	EUR
4	M4	73 950 104	44,48	73 950 111	28,79
5	M5	73 950 105	44,48	73 950 111	28,79
6	M6	73 950 106	44,48	73 950 111	28,79
7	M7	73 950 107	44,48	73 950 111	28,79

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3 time served engineers, available from 8:00 am to 6:30 pm, Monday to Friday

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guaranteed before 12 noon, next day delivery

THE UPGRADE – FEEL THE DIFFERENCE!



Increased process security

Optimised core geometry

- ▲ Less vibration even with high angles of contact
- ▲ Significantly increased fracture resistance

Improved performance

Latest Dragonskin coating

- ▲ Processing of almost all materials
- ▲ Increased temperature resistance
- ▲ Wet and dry machining

Increased stability

Improved chip clearance

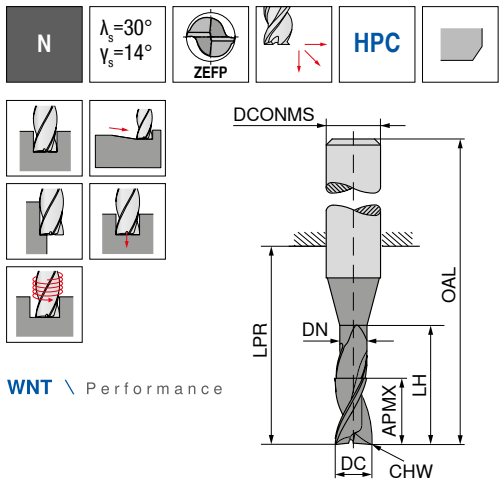
- ▲ Smoother processing
- ▲ Lower forces during chip formation
- ▲ Reduced heat generation

More flexibility

Expanded product range

- ▲ Greater range of diameters
- ▲ Increased range of flute options
- ▲ HA shank options
- ▲ Versions with thro' coolant
- ▲ Roughing-finishing, rough and full slot milling cutters

SilverLine – End milling cutter



DPB72S

DRAGONSKIN





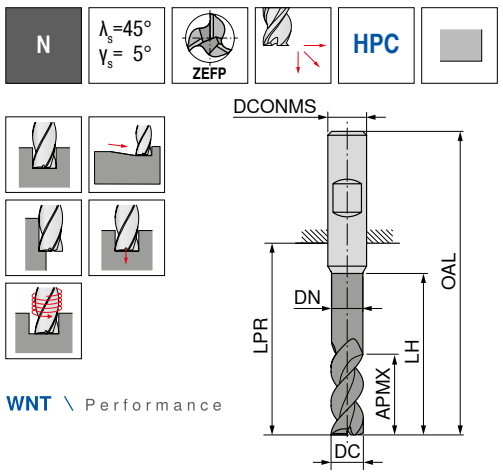
≈DIN 6527

HB

DC e8	APMX	DN	LH	LPR	OAL	DCONMS h6	CHW	ZEFP	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm			
3,0	8	2,8	15	21	57	6	0,1	2	50 958 03200	38,13
3,5	11	3,3	15	21	57	6	0,1	2	50 958 03700	38,13
4,0	11	3,8	15	21	57	6	0,1	2	50 958 04200	38,13
4,5	13	4,3	21	21	57	6	0,1	2	50 958 04700	38,13
5,0	13	4,8	21	21	57	6	0,1	2	50 958 05200	38,13
5,5	13	5,3	21	21	57	6	0,1	2	50 958 05700	38,13
6,0	13	5,8	21	21	57	6	0,1	2	50 958 06200	38,13
7,0	16	6,8	27	27	63	8	0,1	2	50 958 07200	44,41
8,0	19	7,8	27	27	63	8	0,1	2	50 958 08200	44,41
9,0	19	8,8	32	32	72	10	0,1	2	50 958 09200	61,80
10,0	22	9,8	32	32	72	10	0,1	2	50 958 10200	61,80
11,0	26	10,8	38	38	83	12	0,1	2	50 958 11200	89,54
12,0	26	11,8	38	38	83	12	0,1	2	50 958 12200	89,54
14,0	26	13,8	38	38	83	14	0,1	2	50 958 14200	111,62
15,0	32	14,7	44	44	92	16	0,1	2	50 958 15200	144,75
16,0	32	15,7	44	44	92	16	0,1	2	50 958 16200	144,75
17,0	32	16,7	44	44	92	18	0,1	2	50 958 17200	175,78
18,0	32	17,7	44	44	92	18	0,1	2	50 958 18200	175,78
19,0	38	18,7	54	54	104	20	0,1	2	50 958 19200	217,51
20,0	38	19,7	54	54	104	20	0,1	2	50 958 20200	217,51

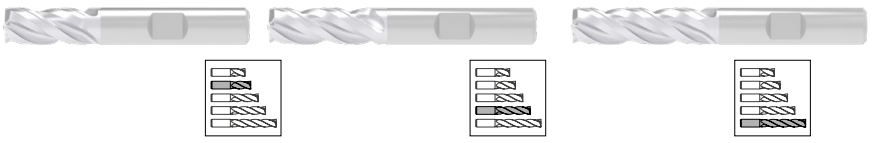
Steel	●
Stainless steel	●
Cast iron	●
Non ferrous metals	○
Heat resistant alloys	●
Hardened materials	

SilverLine – End milling cutter



DPB72S DPB72S DPB72S

DRAGONSKIN DRAGONSKIN DRAGONSKIN



Factory standard | Factory standard | Factory standard

HB HB HB

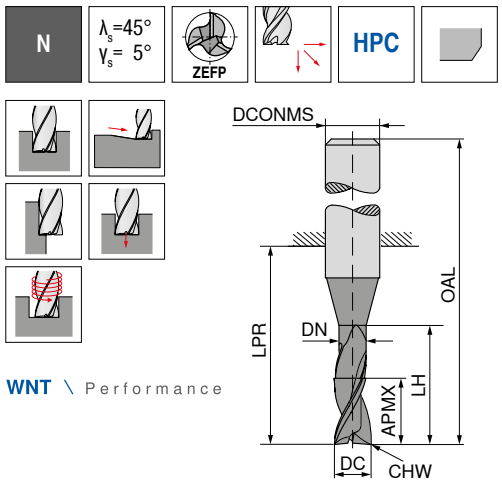
DC f8	APMX	DN	LH	LPR	OAL	DCONMS h6	ZEFP	Article no.	EUR	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm							
3,0	8	2,9	15	21	57	6	3			50 992 03200	46,22		
3,5	11	3,4	16	21	57	6	3			50 992 03700	46,22		
4,0	8	3,9	15	18	54	6	3	50 992 04100	44,57				
4,0	11	3,9	16	21	57	6	3			50 992 04200	44,57		
4,0	16			26	62	6	3					50 992 04400	46,98
4,5	13	4,4	19	21	57	6	3			50 992 04700	46,22		
5,0	9	4,9	16	18	54	6	3	50 992 05100	44,57				
5,0	13	4,9	19	21	57	6	3			50 992 05200	44,57		
5,0	17			26	62	6	3					50 992 05400	46,98
5,5	13	5,4	19	21	57	6	3			50 992 05700	48,50		
6,0	10	5,9	17	18	54	6	3	50 992 06100	46,34				
6,0	13	5,9	19	21	57	6	3			50 992 06200	46,90		
6,0	18			26	62	6	3					50 992 06400	52,12
6,5	19	6,3	25	27	63	8	3			50 992 06700	56,39		
7,0	19	6,8	25	27	63	8	3			50 992 07200	56,39		
7,5	19	7,3	25	27	63	8	3			50 992 07700	56,39		
8,0	12		20	22	58	8	3	50 992 08100	52,66				
8,0	19	7,8	25	27	63	8	3			50 992 08200	54,76		
8,0	24			32	68	8	3					50 992 08400	58,53
8,5	22	8,2	30	32	72	10	3			50 992 08700	93,97		
9,0	22	8,7	30	32	72	10	3			50 992 09200	93,97		
9,5	22	9,2	30	32	72	10	3			50 992 09700	93,97		
10,0	14	9,7	24	26	66	10	3	50 992 10100	83,24				
10,0	22	9,7	30	32	72	10	3			50 992 10200	92,25		
10,0	30			40	80	10	3					50 992 10400	104,20
12,0	16	11,7	26	28	73	12	3	50 992 12100	116,72				
12,0	26	11,7	36	38	83	12	3			50 992 12200	124,93		
12,0	36			48	93	12	3					50 992 12400	141,44
14,0	18	13,7	28	30	75	14	3	50 992 14100	144,14				
14,0	26	13,7	36	38	83	14	3			50 992 14200	164,77		
14,0	42			54	99	14	3					50 992 14400	183,18
16,0	22	15,5	32	34	82	16	3	50 992 16100	174,47				
16,0	32	15,5	42	44	92	16	3			50 992 16200	279,58		
16,0	48			60	108	16	3					50 992 16400	282,68
18,0	24	17,5	34	36	84	18	3	50 992 18100	240,75				
18,0	32	17,5	42	44	92	18	3			50 992 18200	288,19		
18,0	54			66	114	18	3					50 992 18400	364,46
20,0	26	19,5	40	42	92	20	3	50 992 20100	295,00				
20,0	38	19,5	52	54	104	20	3			50 992 20200	336,24		
20,0	60			76	126	20	3					50 992 20400	420,82

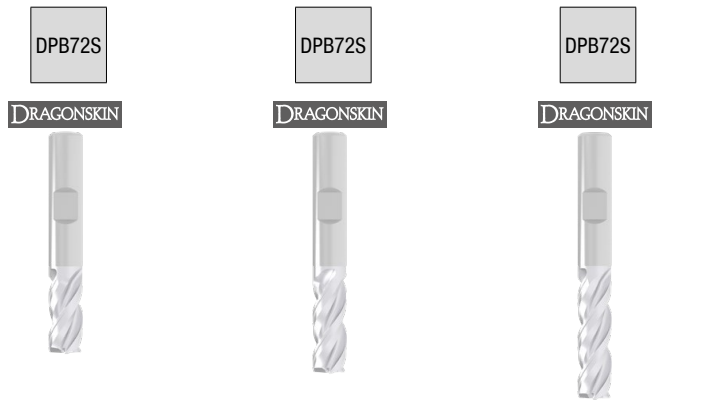
Steel	●	●	●
Stainless steel	●	●	●
Cast iron	●	●	●
Non ferrous metals	○	○	○
Heat resistant alloys	●	●	●
Hardened materials			

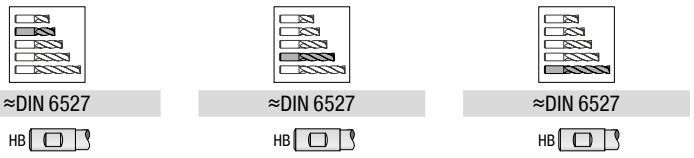
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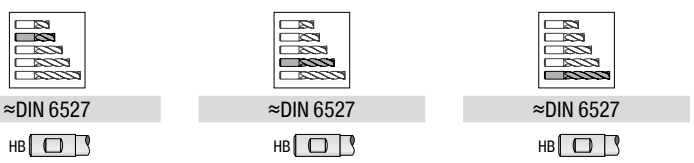
SilverLine – End milling cutter





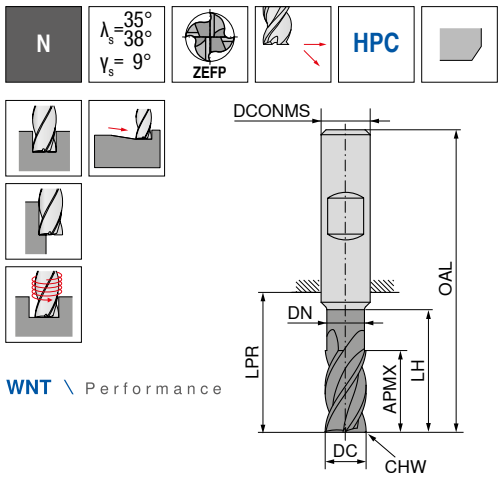


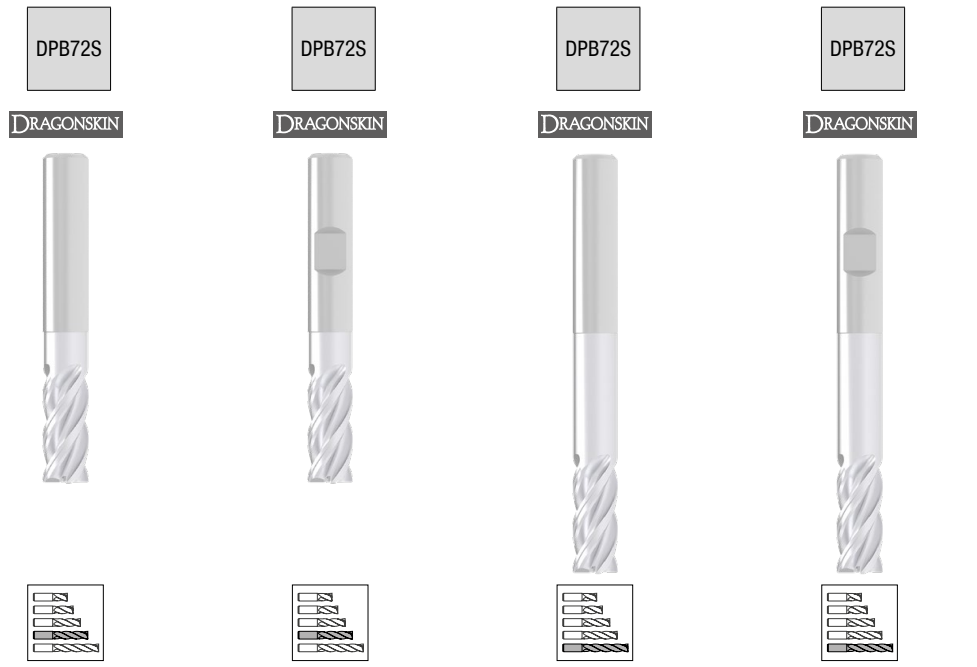
DC f8	APMX	DN	LH	LPR	OAL	DCONMS h6	CHW	ZEFP	Article no.	EUR	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm							
3,0	8	2,9	15	21	57	6	0,1	3			50 966 03200	46,22		
3,5	11	3,4	16	21	57	6	0,1	3			50 966 03700	46,22		
4,0	8	3,9	15	18	54	6	0,1	3	50 966 04100	44,57				
4,0	11	3,9	16	21	57	6	0,1	3			50 966 04200	44,57		
4,0	16			26	62	6	0,1	3					50 966 04400	46,98
4,5	13	4,4	19	21	57	6	0,1	3			50 966 04700	46,22		
5,0	9	4,9	16	18	54	6	0,1	3	50 966 05100	44,57				
5,0	13	4,9	19	21	57	6	0,1	3			50 966 05200	44,57		
5,0	17			26	62	6	0,1	3					50 966 05400	46,98
5,5	13	5,4	19	21	57	6	0,1	3			50 966 05700	48,50		
6,0	10	5,9	17	18	54	6	0,2	3	50 966 06100	46,34				
6,0	13	5,9	19	21	57	6	0,2	3			50 966 06200	46,90		
6,0	18			26	62	6	0,2	3					50 966 06400	52,12
6,5	19	6,3	25	27	63	8	0,2	3			50 966 06700	56,39		
7,0	19	6,8	25	27	63	8	0,2	3			50 966 07200	56,39		
7,5	19	7,3	25	27	63	8	0,2	3			50 966 07700	56,39		
8,0	12	7,8	20	22	58	8	0,2	3	50 966 08100	52,66				
8,0	19	7,8	25	27	63	8	0,2	3			50 966 08200	54,76		
8,0	24			32	68	8	0,2	3					50 966 08400	58,53
8,5	22	8,2	30	32	72	10	0,2	3			50 966 08700	93,97		
9,0	22	8,7	30	32	72	10	0,2	3			50 966 09200	93,97		
9,5	22	9,2	30	32	72	10	0,2	3			50 966 09700	93,97		
10,0	14	9,7	24	26	66	10	0,2	3	50 966 10100	83,24				
10,0	22	9,7	30	32	72	10	0,2	3			50 966 10200	92,25		
10,0	30			40	80	10	0,2	3					50 966 10400	104,20
12,0	16	11,7	26	28	73	12	0,2	3	50 966 12100	116,72				
12,0	26	11,7	36	38	83	12	0,2	3			50 966 12200	124,93		
12,0	36			48	93	12	0,2	3					50 966 12400	141,44
14,0	18	13,7	28	30	75	14	0,2	3	50 966 14100	144,14				
14,0	26	13,7	36	38	83	14	0,2	3			50 966 14200	164,77		
14,0	42			54	99	14	0,2	3					50 966 14400	183,18
16,0	22	15,5	32	34	82	16	0,2	3	50 966 16100	174,47				
16,0	32	15,5	42	44	92	16	0,2	3			50 966 16200	279,58		
16,0	48			60	108	16	0,2	3					50 966 16400	282,68
18,0	24	17,5	34	36	84	18	0,2	3	50 966 18100	240,75				
18,0	32	17,5	42	44	92	18	0,2	3			50 966 18200	288,19		
18,0	54			66	114	18	0,2	3					50 966 18400	364,46
20,0	26	19,5	40	42	92	20	0,2	3	50 966 20100	295,00				
20,0	38	19,5	52	54	104	20	0,2	3			50 966 20200	336,24		
20,0	60			76	126	20	0,2	3					50 966 20400	420,82
Steel									●		●		●	
Stainless steel									●		●		●	
Cast iron									●		●		●	
Non ferrous metals									○		○		○	
Heat resistant alloys									●		●		●	
Hardened materials														



DC f8	RE	APMX	DN	LH	LPR	OAL	DCONMS h6	ZEFP	Article no.	EUR	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm							
4	0,5	8	3,9	15	18	54	6	3	50 967 04105	54,35				
4	0,5	11	3,9	16	21	57	6	3			50 967 04205	55,99		
4	0,5	16			26	62	6	3					50 967 04405	59,46
5	0,5	9	4,9	16	18	54	6	3	50 967 05105	54,35				
5	0,5	13	4,9	19	21	57	6	3			50 967 05205	55,99		
5	0,5	17			26	62	6	3					50 967 05405	59,46
6	0,5	10	5,9	17	18	54	6	3	50 967 06105	55,81				
6	0,5	13	5,9	19	21	57	6	3			50 967 06205	65,19		
6	0,5	18			26	62	6	3					50 967 06405	65,95
8	1,0	12	7,8	20	22	58	8	3	50 967 08110	65,65				
8	1,0	19	7,8	25	27	63	8	3			50 967 08210	74,90		
8	1,0	24			32	68	8	3					50 967 08410	74,11
10	1,0	14	9,7	24	26	66	10	3	50 967 10110	118,32				
10	1,0	22	9,7	30	32	72	10	3			50 967 10210	128,23		
10	1,0	30			40	80	10	3					50 967 10410	131,84
12	1,5	16	11,7	26	28	73	12	3	50 967 12115	163,46				
12	1,5	26	11,7	36	38	83	12	3			50 967 12215	174,27		
12	1,5	36			48	93	12	3					50 967 12415	178,98
16	2,0	22	15,5	32	34	82	16	3	50 967 16120	331,33				
16	2,0	32	15,5	42	44	92	16	3			50 967 16220	336,84		
16	2,0	48			60	108	16	3					50 967 16420	357,65
20	2,0	26	19,5	40	42	92	20	3	50 967 20120	479,48				
20	2,0	38	19,5	52	54	104	20	3			50 967 20220	491,00		
20	2,0	60			76	126	20	3					50 967 20420	532,43
Steel									●		●		●	
Stainless steel									●		●		●	
Cast iron									●		●		●	
Non ferrous metals									○		○		○	
Heat resistant alloys									●		●		●	
Hardened materials														

SilverLine – End milling cutter





DC f8	APMX	DN	LH	LPR	OAL	DCONMS h6	α°	ZEFP	DIN 6527 HA	EUR	DIN 6527 HB	EUR	DIN 6527 HA	EUR	DIN 6527 HB	EUR
mm	mm	mm	mm	mm	mm	mm			Article no.		Article no.		Article no.		Article no.	
3	6,5	2,8	9	19	55	6	15	4	50 974 03200	35,53	50 975 03200	35,53				
3	6,5	2,8	15	22	58	6	15	4					50 974 03400	37,25	50 975 03400	37,25
4	8,5	3,8	12	19	55	6	15	4	50 974 04200	35,53	50 975 04200	35,53				
4	8,5	3,8	20	26	62	6	15	4					50 974 04400	37,25	50 975 04400	37,25
5	10,5	4,8	15	22	58	6	15	4	50 974 05200	35,53	50 975 05200	35,53				
5	10,5	4,8	25	34	70	6	15	4					50 974 05400	37,25	50 975 05400	37,25
6	13,0	5,8	18	22	58	6	15	4	50 974 06200	35,53	50 975 06200	35,53				
6	13,0	5,8	30	34	70	6	15	4					50 974 06400	37,25	50 975 06400	37,25
8	17,0	7,7	24	28	64	8	45	4	50 974 08200	48,44	50 975 08200	48,44				
8	17,0	7,7	40	44	80	8	45	4					50 974 08400	53,31	50 975 08400	53,31
10	21,0	9,7	30	34	74	10	45	4	50 974 10200	70,91	50 975 10200	70,91				
10	21,0	9,7	50	54	94	10	45	4					50 974 10400	78,38	50 975 10400	78,38
12	25,0	11,6	36	40	85	12	45	4	50 974 12200	89,34	50 975 12200	89,34				
12	25,0	11,6	60	64	109	12	45	4					50 974 12400	98,00	50 975 12400	98,00
14	29,0	13,6	42	46	91	14	45	4	50 974 14200	125,22	50 975 14200	125,22				
14	29,0	13,6	70	74	119	14	45	4					50 974 14400	137,74	50 975 14400	137,74
16	33,0	15,5	48	52	100	16	45	4	50 974 16200	200,50	50 975 16200	200,50				
16	33,0	15,5	80	84	132	16	45	4					50 974 16400	220,62	50 975 16400	220,62
18	38,0	17,5	54	58	106	18	45	4	50 974 18200	253,55	50 975 18200	253,55				
18	38,0	17,5	90	94	142	18	45	4					50 974 18400	278,98	50 975 18400	278,98
20	42,0	19,5	60	64	114	20	45	4	50 974 20200	274,27	50 975 20200	274,27				
20	42,0	19,5	100	104	154	20	45	4					50 974 20400	303,70	50 975 20400	303,70
Steel									●		●		●		●	
Stainless steel									●		●		●		●	
Cast iron									●		●		●		●	
Non ferrous metals									○		○		○		○	
Heat resistant alloys									●		●		●		●	
Hardened materials																

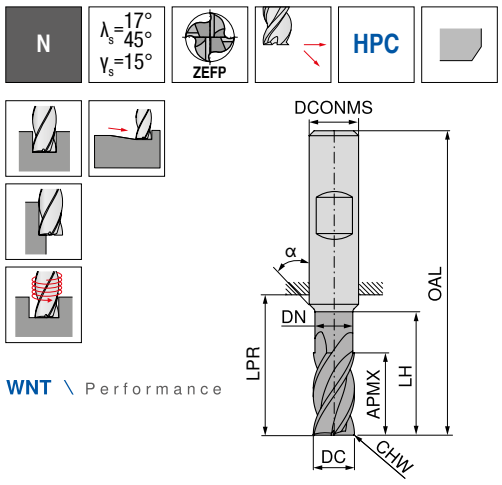
DC f8	APMX	LPR	OAL	DCONMS h6	CHW	ZEFP	≈DIN 6527 HA	EUR	≈DIN 6527 HB	EUR	≈DIN 6527 HA	EUR	≈DIN 6527 HB	EUR
mm	mm	mm	mm	mm	mm		Article no.		Article no.		Article no.		Article no.	
3,0	5	14	50	6	0,1	4	50 972 03100	38,25	50 973 03100	38,25				
3,0	8	21	57	6	0,1	4					50 972 03200	38,25	50 973 03200	38,25
3,5	8	18	54	6	0,1	4	50 972 03600	38,25	50 973 03600	38,25				
3,5	11	21	57	6	0,1	4					50 972 03700	38,25	50 973 03700	38,25
4,0	8	18	54	6	0,1	4	50 972 04100	38,25	50 973 04100	38,25				
4,0	11	21	57	6	0,1	4					50 972 04200	38,25	50 973 04200	38,25
4,5	9	18	54	6	0,1	4	50 972 04600	39,04	50 973 04600	39,04				
4,5	13	21	57	6	0,1	4					50 972 04700	39,04	50 973 04700	39,04
5,0	9	18	54	6	0,1	4	50 972 05100	39,04	50 973 05100	39,04				
5,0	13	21	57	6	0,1	4					50 972 05200	39,04	50 973 05200	39,04
5,5	10	18	54	6	0,1	4	50 972 05600	37,77	50 973 05600	37,77				
5,5	13	21	57	6	0,1	4					50 972 05700	37,77	50 973 05700	37,77
6,0	10	18	54	6	0,1	4	50 972 06100	37,77	50 973 06100	37,77				
6,0	13	21	57	6	0,1	4					50 972 06200	37,77	50 973 06200	37,77
7,0	12	22	58	8	0,2	4	50 972 07100	50,23	50 973 07100	50,23				
7,0	21	27	63	8	0,2	4					50 972 07200	50,23	50 973 07200	50,23
8,0	12	22	58	8	0,2	4	50 972 08100	50,23	50 973 08100	50,23				
8,0	21	27	63	8	0,2	4					50 972 08200	50,23	50 973 08200	50,23
9,0	14	26	66	10	0,2	4	50 972 09100	65,54	50 973 09100	65,54				
9,0	22	32	72	10	0,2	4					50 972 09200	65,54	50 973 09200	65,54
10,0	14	26	66	10	0,2	4	50 972 10100	65,54	50 973 10100	65,54				
10,0	22	32	72	10	0,2	4					50 972 10200	65,54	50 973 10200	65,54
11,0	16	28	73	12	0,3	4	50 972 11100	103,61	50 973 11100	103,61				
11,0	26	38	83	12	0,3	4					50 972 11200	103,61	50 973 11200	103,61
12,0	16	28	73	12	0,3	4	50 972 12100	103,61	50 973 12100	103,61				
12,0	26	38	83	12	0,3	4					50 972 12200	103,61	50 973 12200	103,61
14,0	16	28	73	14	0,3	4	50 972 14100	133,13	50 973 14100	133,13				
14,0	26	38	83	14	0,3	4					50 972 14200	133,13	50 973 14200	133,13
15,0	22	34	82	16	0,3	4	50 972 15100	164,46	50 973 15100	164,46				
15,0	36	44	92	16	0,3	4					50 972 15200	164,46	50 973 15200	164,46
16,0	22	34	82	16	0,3	4	50 972 16100	164,46	50 973 16100	164,46				
16,0	36	44	92	16	0,3	4					50 972 16200	164,46	50 973 16200	164,46
17,0	22	34	82	18	0,3	4	50 972 17100	223,62	50 973 17100	223,62				
17,0	36	44	92	18	0,3	4					50 972 17200	223,62	50 973 17200	223,62
18,0	22	34	82	18	0,3	4	50 972 18100	223,62	50 973 18100	223,62				
18,0	36	44	92	18	0,3	4					50 972 18200	223,62	50 973 18200	223,62
19,0	26	42	92	20	0,3	4	50 972 19100	253,76	50 973 19100	253,76				
19,0	41	54	104	20	0,3	4					50 972 19200	253,76	50 973 19200	253,76
20,0	26	42	92	20	0,3	4	50 972 20100	253,76	50 973 20100	253,76				
20,0	41	54	104	20	0,3	4					50 972 20200	253,76	50 973 20200	253,76
Steel							●		●		●		●	
Stainless steel							●		●		●		●	
Cast iron							●		●		●		●	
Non ferrous metals							○		○		○		○	
Heat resistant alloys							●		●		●		●	
Hardened materials														

Customer Service Centre
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SilverLine – End milling cutter

▲ Especially for high-volume milling







DIN 6527

HA



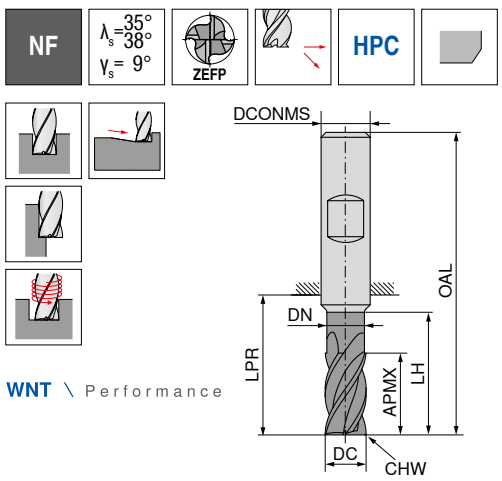
DIN 6527

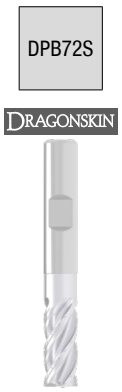
HB

DC f8	APMX	DN	LH	LPR	OAL	DCONMS h6	CHW	ZEFP	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm					
3	8	2,8	13	21	57	6	0,1	4	50 976 03200	53,42	50 977 03200	53,42
4	11	3,8	17	21	57	6	0,1	4	50 976 04200	53,42	50 977 04200	53,42
5	13	4,8	19	21	57	6	0,1	4	50 976 05200	53,42	50 977 05200	53,42
6	13	5,8	19	21	57	6	0,1	4	50 976 06200	56,12	50 977 06200	56,12
8	21	7,7	25	27	63	8	0,2	4	50 976 08200	64,34	50 977 08200	64,34
10	22	9,7	30	32	72	10	0,2	4	50 976 10200	110,51	50 977 10200	110,51
12	26	11,6	36	38	83	12	0,3	4	50 976 12200	149,75	50 977 12200	149,75
14	26	13,6	36	38	83	14	0,3	4	50 976 14200	220,52	50 977 14200	220,52
16	36	15,5	42	44	92	16	0,3	4	50 976 16200	279,68	50 977 16200	279,68
18	36	17,5	42	44	92	18	0,3	4	50 976 18200	386,09	50 977 18200	386,09
20	41	19,5	52	54	104	20	0,3	4	50 976 20200	401,91	50 977 20200	401,91
Steel									●		●	
Stainless steel									●		●	
Cast iron									●		●	
Non ferrous metals									○		○	
Heat resistant alloys												
Hardened materials												

SilverLine – Roughing-Finishing Cutter

▲ With rough-finishing profile





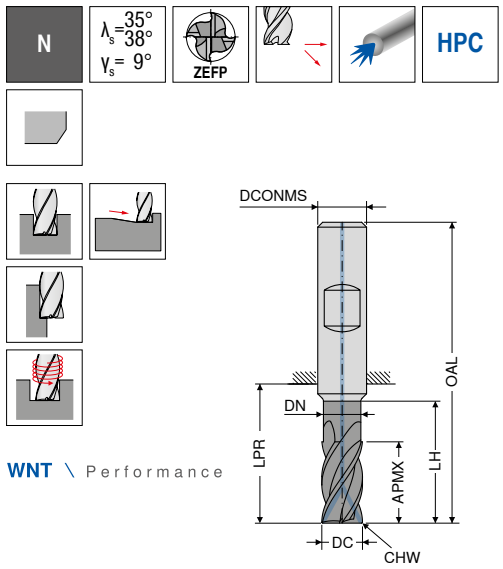


DIN 6527

HB

DC f8	APMX	DN	LH	LPR	OAL	DCONMS h6	CHW	ZEFP	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm			
3,0	8	2,8	13	21	57	6	0,1	4	50 969 03200	110,11
3,5	11	3,3	17	21	57	6	0,1	4	50 969 03700	110,11
4,0	11	3,8	17	21	57	6	0,1	4	50 969 04200	110,11
4,5	13	4,3	19	21	57	6	0,1	4	50 969 04700	110,11
5,0	13	4,8	19	21	57	6	0,1	4	50 969 05200	110,11
5,5	13	5,3	19	21	57	6	0,1	4	50 969 05700	110,11
6,0	13	5,8	19	21	57	6	0,1	4	50 969 06200	110,11
7,0	21	6,7	25	27	63	8	0,2	4	50 969 07200	118,62
8,0	21	7,7	25	27	63	8	0,2	4	50 969 08200	118,62
9,0	22	8,7	30	32	72	10	0,2	4	50 969 09200	124,63
10,0	22	9,7	30	32	72	10	0,2	4	50 969 10200	124,63
11,0	26	10,6	36	38	83	12	0,3	4	50 969 11200	173,98
12,0	26	11,6	36	38	83	12	0,3	4	50 969 12200	173,98
14,0	26	13,6	36	38	83	14	0,3	4	50 969 14200	249,05
15,0	36	14,5	42	44	92	16	0,3	4	50 969 15200	249,05
16,0	36	15,5	42	44	92	16	0,3	4	50 969 16200	249,05
17,0	36	16,5	42	44	92	18	0,3	4	50 969 17200	291,49
18,0	36	17,5	42	44	92	18	0,3	4	50 969 18200	291,49
19,0	41	18,5	52	54	104	20	0,3	4	50 969 19200	392,29
20,0	41	19,5	52	54	104	20	0,3	4	50 969 20200	392,29
Steel									●	
Stainless steel									●	
Cast iron									●	
Non ferrous metals									○	
Heat resistant alloys									●	
Hardened materials										

SilverLine – End milling cutter





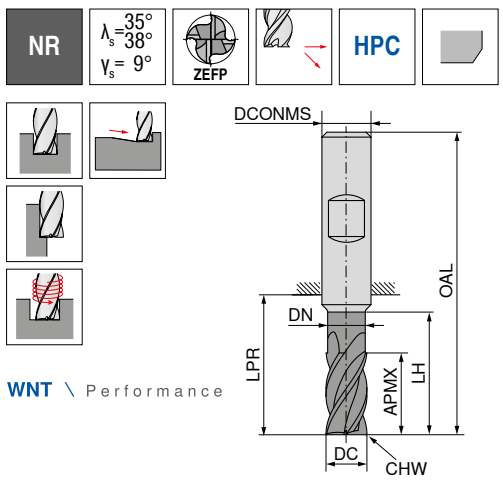
DIN 6527

HB

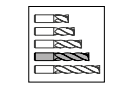
DC f8	APMX	DN	LH	LPR	OAL	DCONMS h6	CHW	ZEFP	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm			
6	13	5,8	19	21	57	6	0,1	4	50 978 06200	106,21
8	21	7,7	25	27	63	8	0,2	4	50 978 08200	123,83
10	22	9,7	30	32	72	10	0,2	4	50 978 10200	139,94
12	26	11,6	36	38	83	12	0,3	4	50 978 12200	195,70
14	26	13,6	36	38	83	14	0,3	4	50 978 14200	300,20
16	36	15,5	42	44	92	16	0,3	4	50 978 16200	300,20
18	36	17,5	42	44	92	18	0,3	4	50 978 18200	399,60
20	41	19,5	52	54	104	20	0,3	4	50 978 20200	399,60
Steel									●	
Stainless steel									●	
Cast iron									●	
Non ferrous metals									○	
Heat resistant alloys									●	
Hardened materials										

SilverLine – Rough milling cutter

▲ With roughing profile





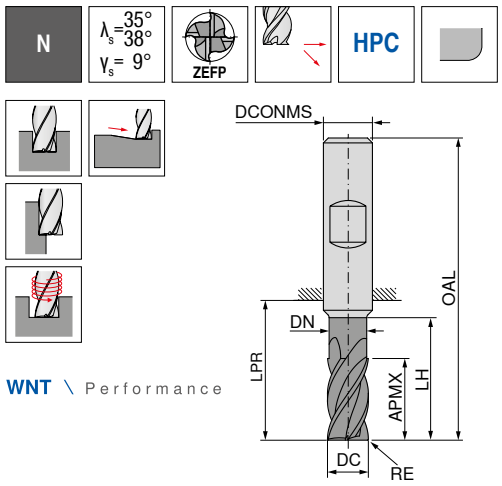


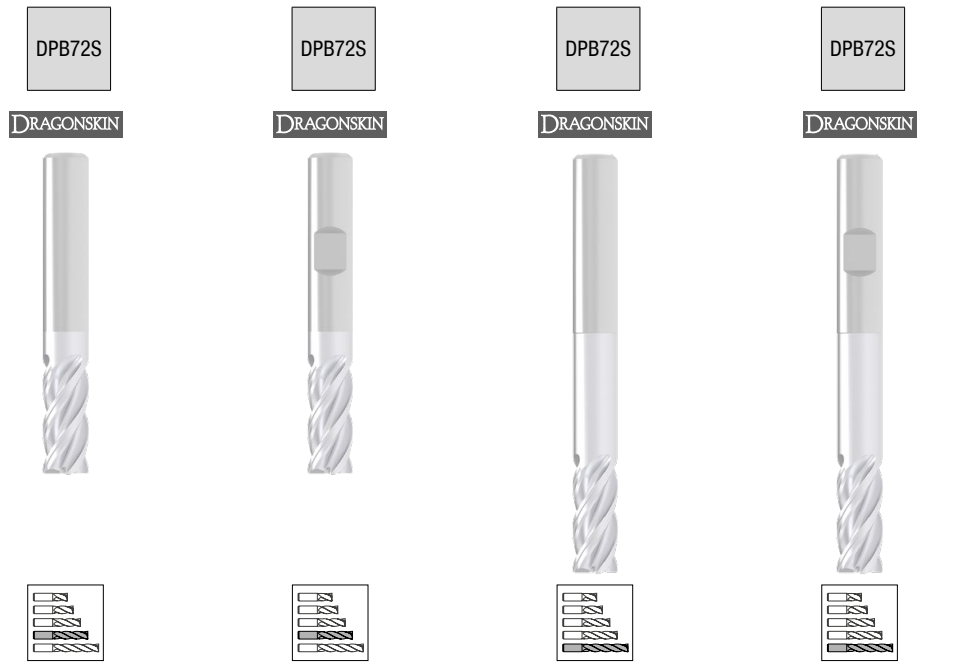
DIN 6527

HB

DC f8	APMX	DN	LH	LPR	OAL	DCONMS h6	CHW	ZEFP	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm			
3,0	8	2,8	13	21	57	6	0,1	4	50 979 03200	110,11
3,5	11	3,3	17	21	57	6	0,1	4	50 979 03700	110,11
4,0	11	3,8	17	21	57	6	0,1	4	50 979 04200	110,11
4,5	13	4,3	19	21	57	6	0,1	4	50 979 04700	110,11
5,0	13	4,8	19	21	57	6	0,1	4	50 979 05200	110,11
5,5	13	5,3	19	21	57	6	0,1	4	50 979 05700	110,11
6,0	13	5,8	19	21	57	6	0,1	4	50 979 06200	110,11
7,0	21	6,7	25	27	63	8	0,2	4	50 979 07200	118,62
8,0	21	7,7	25	27	63	8	0,2	4	50 979 08200	118,62
9,0	22	8,7	30	32	72	10	0,2	4	50 979 09200	124,63
10,0	22	9,7	30	32	72	10	0,2	4	50 979 10200	124,63
11,0	26	10,6	36	38	83	12	0,3	4	50 979 11200	173,98
12,0	26	11,6	36	38	83	12	0,3	4	50 979 12200	173,98
14,0	26	13,6	36	38	83	14	0,3	4	50 979 14200	249,05
15,0	36	14,5	42	44	92	16	0,3	4	50 979 15200	249,05
16,0	36	15,5	42	44	92	16	0,3	4	50 979 16200	249,05
17,0	36	16,5	42	44	92	18	0,3	4	50 979 17200	291,49
18,0	36	17,5	42	44	92	18	0,3	4	50 979 18200	291,49
19,0	41	18,5	52	54	104	20	0,3	4	50 979 19200	392,29
20,0	41	19,5	52	54	104	20	0,3	4	50 979 20200	392,29
Steel									●	
Stainless steel									●	
Cast iron									●	
Non ferrous metals									○	
Heat resistant alloys									●	
Hardened materials										

SilverLine – End milling cutter with corner radius





DC f8	RE ±0,01	APMX	DN	LH	LPR	OAL	DCONMS h6	ZEFP	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm									
3	0,10	8,0	2,8	13	21	57	6	4	50 970 03201	51,55	50 971 03201	51,55				
3	0,40	8,0	2,8	13	21	57	6	4	50 970 03204	51,55	50 971 03204	51,55				
3	1,00	8,0	2,8	13	21	57	6	4	50 970 03210	51,55	50 971 03210	51,55				
3	0,50	8,0	2,8	13	21	57	6	4	50 970 03205	51,55	50 971 03205	51,55				
3	0,80	6,5	2,8	15	22	58	6	4					50 970 03408	60,59	50 971 03408	60,59
3	0,50	6,5	2,8	15	22	58	6	4					50 970 03405	60,59	50 971 03405	60,59
3	0,30	6,5	2,8	15	22	58	6	4					50 970 03403	60,59	50 971 03403	60,59
4	0,40	11,0	3,8	17	21	57	6	4	50 970 04204	51,55	50 971 04204	51,55				
4	0,10	11,0	3,8	17	21	57	6	4	50 970 04201	51,55	50 971 04201	51,55				
4	1,00	11,0	3,8	17	21	57	6	4	50 970 04210	51,55	50 971 04210	51,55				
4	0,50	11,0	3,8	17	21	57	6	4	50 970 04205	51,55	50 971 04205	51,55				
4	0,80	8,5	3,8	20	26	62	6	4					50 970 04408	60,59	50 971 04408	60,59
4	0,50	8,5	3,8	20	26	62	6	4					50 970 04405	60,59	50 971 04405	60,59
4	0,40	8,5	3,8	20	26	62	6	4					50 970 04404	60,59	50 971 04404	60,59
5	0,50	13,0	4,8	19	21	57	6	4	50 970 05205	52,38	50 971 05205	52,38				
5	0,10	13,0	4,8	19	21	57	6	4	50 970 05201	52,38	50 971 05201	52,38				
5	1,00	13,0	4,8	19	21	57	6	4	50 970 05210	52,38	50 971 05210	52,38				
5	0,80	10,5	4,8	25	34	70	6	4					50 970 05408	61,53	50 971 05408	61,53
5	0,50	10,5	4,8	25	34	70	6	4					50 970 05405	61,53	50 971 05405	61,53
6	0,50	13,0	5,8	19	21	57	6	4	50 970 06205	51,12	50 971 06205	51,12				
6	0,10	13,0	5,8	19	21	57	6	4	50 970 06201	51,12	50 971 06201	51,12				
6	1,50	13,0	5,8	19	21	57	6	4	50 970 06215	51,12	50 971 06215	51,12				
6	1,00	13,0	5,8	19	21	57	6	4	50 970 06210	51,12	50 971 06210	51,12				
6	1,00	13,0	5,8	30	34	70	6	4					50 970 06410	61,53	50 971 06410	61,53
6	0,80	13,0	5,8	30	34	70	6	4					50 970 06408	61,53	50 971 06408	61,53
6	0,60	13,0	5,8	30	34	70	6	4					50 970 06406	61,53	50 971 06406	61,53
8	0,15	21,0	7,7	25	27	63	8	4	50 970 08202	64,09	50 971 08202	64,09				
8	1,50	21,0	7,7	25	27	63	8	4	50 970 08215	64,09	50 971 08215	64,09				
8	2,00	21,0	7,7	25	27	63	8	4	50 970 08220	64,09	50 971 08220	64,09				
8	1,00	21,0	7,7	25	27	63	8	4	50 970 08210	64,09	50 971 08210	64,09				
8	0,50	21,0	7,7	25	27	63	8	4	50 970 08205	64,09	50 971 08205	64,09				
8	1,50	17,0	7,7	40	44	80	8	4					50 970 08415	74,50	50 971 08415	74,50
8	1,00	17,0	7,7	40	44	80	8	4					50 970 08410	74,50	50 971 08410	74,50
8	2,00	17,0	7,7	40	44	80	8	4					50 970 08420	74,50	50 971 08420	74,50
8	0,80	17,0	7,7	40	44	80	8	4					50 970 08408	74,50	50 971 08408	74,50
10	0,15	22,0	9,7	30	32	72	10	4	50 970 10202	80,08	50 971 10202	80,08				
10	1,50	22,0	9,7	30	32	72	10	4	50 970 10215	80,08	50 971 10215	80,08				
10	1,00	22,0	9,7	30	32	72	10	4	50 970 10210	80,08	50 971 10210	80,08				
10	2,00	22,0	9,7	30	32	72	10	4	50 970 10220	80,08	50 971 10220	80,08				
10	0,50	22,0	9,7	30	32	72	10	4	50 970 10205	80,08	50 971 10205	80,08				
10	1,50	21,0	9,7	50	54	94	10	4					50 970 10415	92,16	50 971 10415	92,16
10	1,00	21,0	9,7	50	54	94	10	4					50 970 10410	92,16	50 971 10410	92,16
10	2,00	21,0	9,7	50	54	94	10	4					50 970 10420	92,16	50 971 10420	92,16
10	0,50	21,0	9,7	50	54	94	10	4					50 970 10405	92,16	50 971 10405	92,16
12	0,20	26,0	11,6	36	38	83	12	4	50 970 12202	123,63	50 971 12202	123,63				
12	1,00	26,0	11,6	36	38	83	12	4	50 970 12210	123,63	50 971 12210	123,63				
12	1,50	26,0	11,6	36	38	83	12	4	50 970 12215	123,63	50 971 12215	123,63				
12	0,50	26,0	11,6	36	38	83	12	4	50 970 12205	123,63	50 971 12205	123,63				
12	2,00	26,0	11,6	36	38	83	12	4	50 970 12220	123,63	50 971 12220	123,63				
12	4,00	26,0	11,6	36	38	83	12	4	50 970 12240	123,63	50 971 12240	123,63				
12	3,00	26,0	11,6	36	38	83	12	4	50 970 12230	123,63	50 971 12230	123,63				
12	2,00	25,0	11,6	60	64	109	12	4					50 970 12420	139,94	50 971 12420	139,94
12	1,50	25,0	11,6	60	64	109	12	4					50 970 12415	139,94	50 971 12415	139,94
12	3,00	25,0	11,6	60	64	109	12	4					50 970 12430	139,94	50 971 12430	139,94
12	1,00	25,0	11,6	60	64	109	12	4					50 970 12410	139,94	50 971 12410	139,94
12	4,00	25,0	11,6	60	64	109	12	4					50 970 12440	139,94	50 971 12440	139,94
12	0,50	25,0	11,6	60	64	109	12	4					50 970 12405	139,94	50 971 12405	139,94
14	0,30	26,0	13,6	36	38	83	14	4	50 970 14203	186,99	50 971 14203	186,99				
14	4,00	26,0	13,6	36	38	83	14	4	50 970 14240	186,99	50 971 14240	186,99				
14	3,00	26,0	13,6	36	38	83	14	4	50 970 14230	186,99	50 971 14230	186,99				
14	2,00	26,0	13,6	36	38	83	14	4	50 970 14220	186,99	50 971 14220	186,99				
14	1,00	26,0	13,6	36	38	83	14	4	50 970 14210	186,99	50 971 14210	186,99				
14	4,00	29,0	13,6	70	74	119	14	4					50 970 14440	209,72	50 971 14440	209,72
14	2,00	29,0	13,6	70	74	119	14	4					50 970 14420	209,72	50 971 14420	209,72
14	3,00	29,0	13,6	70	74	119	14	4					50 970 14430	209,72	50 971 14430	209,72
14	1,00	29,0	13,6	70	74	119	14	4					50 970 14410	209,72	50 971 14410	209,72
16	0,30	36,0	15,5	42	44	92	16	4	50 970 16203	186,99	50 971 16203	186,99				
16	3,00	36,0	15,5	42	44	92	16	4	50 970 16230	186,99	50 971 16230	186,99				
16	4,00	36,0	15,5	42	44	92	16	4	50 970 16240	186,99	50 971 16240	186,99				
16	2,00	36,0	15,5	42	44	92	16	4	50 970 16220	186,99	50 971 16220	186,99				
16	1,00	36,0	15,5	42	44	92	16	4	50 970 16210	186,99	50 971 16210	186,99				
16	3,00	33,0	15,5	80	84	132	16	4					50 970 16430	230,03	50 971 16430	230,03
16	2,00	33,0	15,5	80	84	132	16	4					50 970 16420	230,03	50 971 16420	230,03
16	4,00	33,0	15,5	80	84	132	16	4					50 970 16440	230,03	50 971 16440	230,03
16	1,00	33,0	15,5	80	84	132	16	4					50 970 16410	230,03	50 971 16410	230,03
18	1,00	36,0	17,5	42	44	92	18	4	50 970 18210	248,75	50 971 18210	248,75				
18	4,00	36,0	17,5	42	44	92	18	4	50 970 18240	248,75	50 971 18240	248,75				
18	3,00	36,0	17,5	42	44	92	18	4	50 970 18230	248,75	50 971 18230	248,75				
18	2,00	36,0	17,5	42	44	92	18	4	50 970 18220	248,75	50 971 18220	248,75				
18	3,00	38,0	17,5	90	94	142	18	4					50 970 18430	277,48	50 971 18430	277,48
18	2,00	38,0	17,5	90	94	142	18	4					50 970 18420	277,48	50 971 18420	277,48
18	4,00	38,0	17,5	90	94	142	18	4					50 970 18440	277,48	50 971 18440	277,48
18	1,00	38,0	17,5	90	94	142	18	4					50 970 18410	277,48	50 971 18410	277,48
20	0,30	41,0	19,5	52	54	104	20	4	50 970 20203	280,08	50 971 20203	280,08				
20	3,00	41,0	19,5	52	54	104	20	4	50 970 20230	280,08	50 971 20230	280,08				
20	2,00	41,0	19,5	52	54	104	20	4	50 970 20220	280,08	50 971 20220	280,08				
20	4,00	41,0	19,5	52	54	104	20	4	50 970 20240	280,08	50 971 20240	280,08				
20	1,00	41,0	19,5	52	54	104	20	4	50 970 20210	280,08	50 971 20210	280,08				
20	4,00	42,0	19,5	100	104	154	20	4					50 970 20440	311,92	50 971 20440	311,92
20	2,00	42,0	19,5	100	104	154	20	4					50 970 20420	311,92	50 971 20420	311,92
20	3,00	42,0	19,5	100	104	154	20	4					50 970 20430	311,92	50 971 20430	311,92
20	1,00	42,0	19,5	100	104	154	20	4					50 970 20410	311,92	50 971 20410	311,92

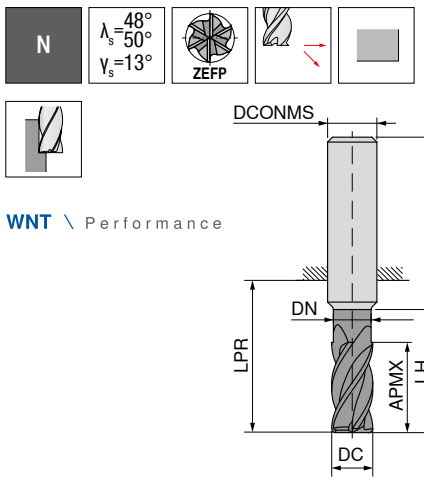
Steel	●	●	●	●
Stainless steel	●	●	●	●
Cast iron	●	●	●	●
Non ferrous metals	○	○	○	○
Heat resistant alloys	●	●	●	●
Hardened materials				

Customer Service Centre
Freephone: 1800 93 22 55

Ordering via the Online Shop
http://cuttingtools.ceratizit.com

SilverLine – High Accuracy Finish Milling Cutter

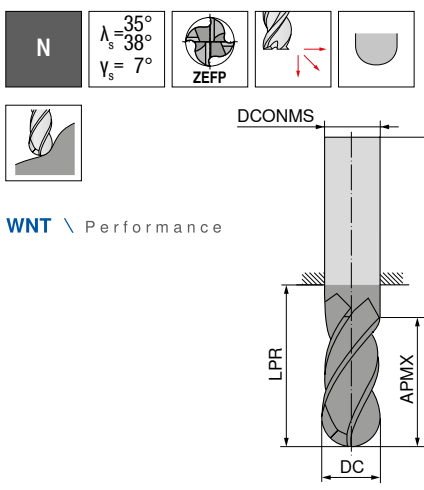
- ▲ max. taper of 0.005 mm for high precision and parallelism of vertical walls
- ▲ Tool with cutting edge correction

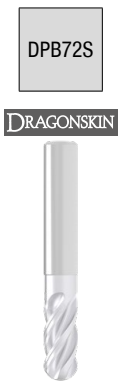




DC f8	APMX	DN	LH	LPR	OAL	DCONMS h5	ZEFP	≈DIN 6527 Article no.	EUR	Factory standard Article no.	EUR
mm	mm	mm	mm	mm	mm	mm					
6	13	5,6	19	21	57	6	6	50 991 06700	56,88		
6	10	5,8	18	22	58	6	6	50 991 06200	56,91		
6	13	5,8	27	31	67	6	6			50 991 06400	77,17
6	13	5,8	36	40	76	6	6			50 991 06900	96,39
6	15	5,6	42	44	80	6	6			50 991 90000	77,14
8	19	7,6	25	27	63	8	6	50 991 08700	65,34		
8	13	7,7	24	28	64	8	6	50 991 08200	65,10		
8	17	7,7	36	40	76	8	6			50 991 08400	95,46
8	17	7,7	48	53	89	8	6			50 991 08900	119,32
8	20	7,6	62	64	100	8	6			50 991 90100	95,34
10	22	9,6	30	32	72	10	6	50 991 10700	111,91		
10	16	9,7	30	34	74	10	6	50 991 10200	112,21		
10	21	9,7	45	49	89	10	6			50 991 10400	143,04
10	25	9,6	58	60	100	10	6			50 991 10900	142,65
10	21	9,7	60	64	104	10	6			50 991 90200	178,78
12	26	11,5	36	38	83	12	6	50 991 12700	151,66		
12	19	11,6	36	40	85	12	6	50 991 12200	152,05		
12	25	11,6	54	58	103	12	6			50 991 12400	221,42
12	30	11,5	73	75	120	12	6			50 991 12900	221,12
12	25	11,6	72	76	121	12	6			50 991 90300	276,67
16	32	15,0	42	44	92	16	6	50 991 16700	282,79		
16	25	15,5	48	52	100	16	6	50 991 16200	282,89		
16	33	15,5	72	76	124	16	6			50 991 16400	389,69
16	33	15,5	96	100	148	16	6			50 991 16900	487,09
16	40	15,0	100	102	150	16	6			50 991 90400	389,29
20	38	19,0	52	54	104	20	6	50 991 20700	407,41		
20	32	19,5	60	64	114	20	6	50 991 20200	407,61		
20	42	19,5	90	94	144	20	6			50 991 20400	536,64
20	50	19,0	98	100	150	20	6			50 991 20900	536,44
20	42	19,5	120	124	174	20	6			50 991 90500	670,77
25	40	24,5	75	80	136	25	6	50 991 25200	510,51		
25	52	24,5	113	118	174	25	6			50 991 25400	671,47
25	52	24,5	150	154	210	25	6			50 991 25900	839,34
Steel								●		●	
Stainless steel								●		●	
Cast iron								○		○	
Non ferrous metals								○		○	
Heat resistant alloys								●		●	
Hardened materials											

SilverLine – Ball Nosed Cutter





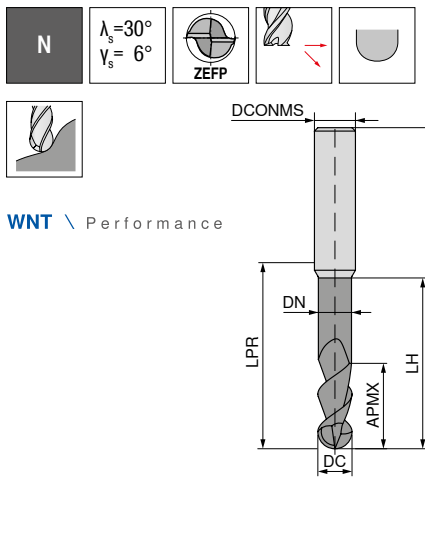


Factory standard

HA

DC f8	APMX	LPR	OAL	DCONMS h6	ZEFP	Article no.	EUR
mm	mm	mm	mm	mm			
4	11	21	57	6	4	50 990 04220	47,29
5	13	21	57	6	4	50 990 05225	47,29
6	13	21	57	6	4	50 990 06230	55,33
8	19	36	72	8	4	50 990 08280	68,54
10	22	32	72	10	4	50 990 10250	86,54
12	26	38	83	12	4	50 990 12260	136,94
16	32	44	92	16	4	50 990 16280	202,10
20	38	54	104	20	4	50 990 20210	292,90
Steel						●	
Stainless steel						○	
Cast iron						●	
Non ferrous metals						○	
Heat resistant alloys							
Hardened materials							

SilverLine – Ball Nosed Cutter







Factory standard

HA

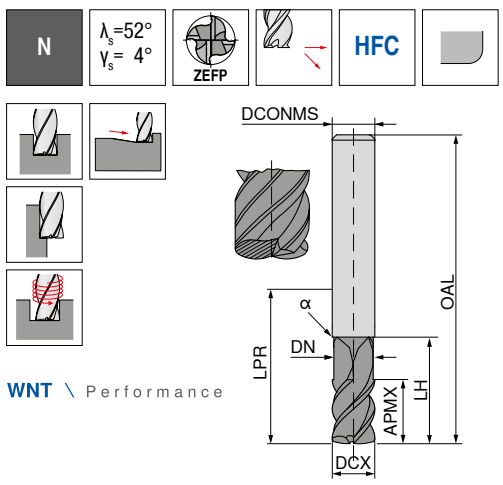
Factory standard

HA

DC f8	APMX	DN	LH	LPR	OAL	DCONMS h6	ZEFP	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm					
3	4	2,8	10,0	14	50	6	2	50 963 03115	48,58		
3	7	3,0	8,8	24	60	6	2			50 963 03415	65,15
4	8	3,8	12,0	18	54	6	2	50 963 04120	48,58		
4	10	4,0	12,5	39	75	6	2			50 963 04420	65,15
5	9	4,8	16,0	18	54	6	2	50 963 05125	48,58		
5	12	5,0	15,0	39	75	6	2			50 963 05425	67,77
6	10	5,7	16,0	18	54	6	2	50 963 06130	48,58		
6	12	6,0	15,0	64	100	6	2			50 963 06430	78,47
7	11	6,6	20,0	22	58	8	2	50 963 07135	59,13		
8	12	7,6	20,0	22	58	8	2	50 963 08140	59,13		
8	14	8,0	17,5	64	100	8	2			50 963 08440	91,73
10	14	9,6	24,0	26	66	10	2	50 963 10150	73,93		
10	18	10,0	22,5	60	100	10	2			50 963 10450	124,73
12	16	11,5	26,0	28	73	12	2	50 963 12160	107,40		
12	22	12,0	27,5	55	100	12	2			50 963 12460	160,86
14	18	13,3	28,0	30	75	14	2	50 963 14170	124,73		
14	26	14,0	32,5	75	120	14	2			50 963 14470	256,55
16	22	15,2	32,0	34	82	16	2	50 963 16180	158,26		
16	30	16,0	37,5	102	150	16	2			50 963 16480	345,64
18	24	17,1	34,0	36	84	18	2	50 963 18190	260,77		
20	26	19,0	40,0	42	92	20	2	50 963 20110	260,77		
20	38	20,0	47,5	100	150	20	2			50 963 20410	458,06
Steel								●		●	
Stainless steel											
Cast iron								●		●	
Non ferrous metals								○		○	
Heat resistant alloys											
Hardened materials								○		○	

SilverLine – Torus Face Milling Cutter

- ▲ APMX does not correspond to the maximum cutting depth
- ▲ r_{3D} = corner radius to be programmed







Factory standard

HA

Factory standard

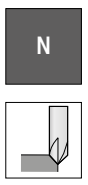
HA

DCX f8	r3D	APMX	DN	LH	LPR	OAL	α°	DCONMS h6	ZEFP	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm		mm					
6	1,12	6	5,5	21	21	57	45	6	4	50 989 06110	68,40		
8	1,23	8	7,4	27	27	63	45	8	4	50 989 08110	77,51		
10	1,17	10	9,2	32	32	72	45	10	4	50 989 10115	132,53		
12	1,86	12	11,0	32	38	83	45	12	4	50 989 12115	173,68		
16	2,47	16	15,0	38	44	92	45	16	4	50 989 16120	326,33		
20	2,61	20	18,5	40	42	92	45	20	4	50 989 20120	469,47		
6	1,12	6	5,5	64	64	100	45	6	4			50 989 06410	90,39
8	1,23	8	7,4	64	64	100	45	8	4			50 989 08410	117,92
10	1,17	10	9,2	60	60	100	45	10	4			50 989 10415	193,90
12	1,86	12	11,0	65	65	110	45	12	4			50 989 12415	213,92
16	2,47	16	15,0	65	102	150	45	16	4			50 989 16420	477,08
20	2,61	20	18,5	65	100	150	45	20	4			50 989 20420	705,80
Steel										●		●	
Stainless steel										○		○	
Cast iron										●		●	
Non ferrous metals										○		○	
Heat resistant alloys													
Hardened materials										○		○	

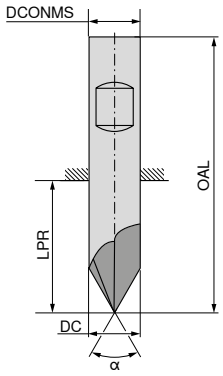
SilverLine – NC deburring cutter

N

λ_s=0°
γ_s=0°



WNT \ Performance











DC h6	OAL	LPR	DCONMS h6	ZEFP	α = 60° Factory standard HA NEW Article no.	V1 EUR	α = 60° Factory standard HB NEW Article no.	V1 EUR	α = 90° Factory standard HA NEW Article no.	V1 EUR	α = 90° Factory standard HB NEW Article no.	V1 EUR
mm	mm	mm	mm									
4	50	22	4	5	50 562 04000	25,50			50 560 04000	25,50		
6	55	19	6	5	50 562 06000	28,02	50 563 06000	28,02	50 560 06000	28,02	50 561 06000	28,02
8	58	22	8	5	50 562 08000	36,51	50 563 08000	36,51	50 560 08000	36,51	50 561 08000	36,51
10	60	20	10	5	50 562 10000	43,41	50 563 10000	43,41	50 560 10000	43,41	50 561 10000	43,41
12	70	25	12	5	50 562 12000	55,45	50 563 12000	55,45	50 560 12000	55,45	50 561 12000	55,45
16	80	32	16	5	50 562 16000	86,34	50 563 16000	86,34	50 560 16000	86,34	50 561 16000	86,34
Steel					●		●		●		●	
Stainless steel					●		●		●		●	
Cast iron					●		●		●		●	
Non ferrous metals												
Heat resistant alloys					●		●		●		●	
Hardened materials												



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http://cuttingtools.ceratizit.com

AluLine



With optimised coating and geometry for the effective machining of aluminium and non-ferrous metals

Solid carbide milling tools from CERATIZIT ensure you always do a good job: We have added milling tools for machining aluminium and non-ferrous metals to our product portfolio. This means you will now be able to find the ideal product for any application.

This AluLine milling cutter allows you to master even the toughest demands when working with aluminium and non-ferrous metals. This is all made possible thanks to the special geometry and the specifically tailored coating.



> Our AluLine milling cutter impresses with its outstanding coating. It achieves first-rate results even in dry machining.
>
> Product Manager CERATIZIT, Michael Wucher

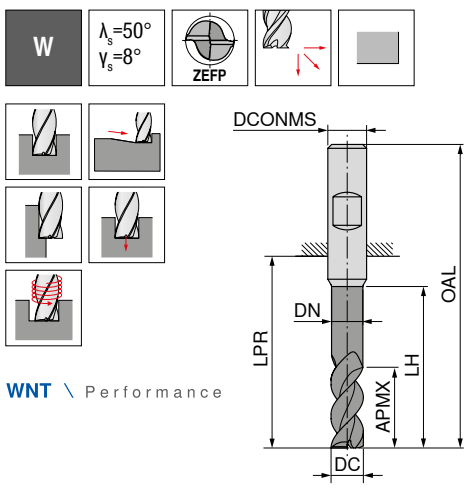
Advantages/benefits

- **Economical and process-secure machining of aluminium and non-ferrous metals.**
  Optimal performance thanks to the perfectly coordinated combination of geometry, substrate and coating.
- **Optimal/versatile tool selection for almost all applications in the machining of non-ferrous metals**
  The product portfolio has increased in size following the program extension and now offers access to around 2500 items.
- **Extremely long tool service life possible**
  Thanks to the wear-resistant DLC coating.

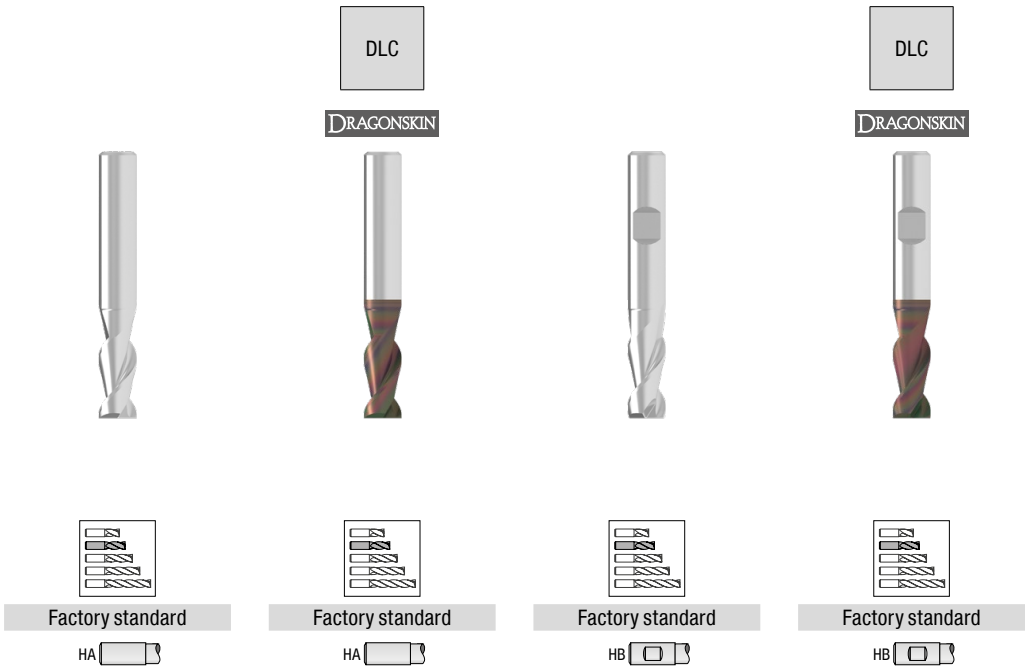
Cutting datas can be found in our UP2DATE September 2019 catalogue on page 62+63

AluLine – End milling cutter

▲ With polished chip flutes



WNT \ Performance



DC h6	APMX	DN	LH	LPR	OAL	DCONMS h6	ZEFP	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm									
5,0	10,5	4,8	15	22	58	6	2	53 623 05100	27,78	53 625 05100	35,28	53 624 05100	27,78	53 626 05100	35,28
5,5	13,0	5,3	18	22	58	6	2	53 623 05600	33,78	53 625 05600	41,28	53 624 05600	33,78	53 626 05600	41,28
6,0	13,0	5,8	18	22	58	6	2	53 623 06100	31,53	53 625 06100	39,79	53 624 06100	31,53	53 626 06100	39,79
6,5	17,0	6,2	24	28	64	8	2	53 623 06600	36,03	53 625 06600	44,29	53 624 06600	36,03	53 626 06600	44,29
7,0	17,0	6,7	24	28	64	8	2	53 623 07100	35,28	53 625 07100	43,54	53 624 07100	35,28	53 626 07100	43,54
7,5	17,0	7,2	24	28	64	8	2	53 623 07600	34,53	53 625 07600	42,79	53 624 07600	34,53	53 626 07600	42,79
8,0	17,0	7,7	24	28	64	8	2	53 623 08100	33,02	53 625 08100	42,03	53 624 08100	33,02	53 626 08100	42,03
8,5	21,0	8,2	30	34	74	10	2	53 623 08600	55,55	53 625 08600	65,30	53 624 08600	55,55	53 626 08600	65,30
9,0	21,0	8,7	30	34	74	10	2	53 623 09100	54,04	53 625 09100	63,80	53 624 09100	54,04	53 626 09100	63,80
9,5	21,0	9,2	30	34	74	10	2	53 623 09600	52,55	53 625 09600	62,29	53 624 09600	52,55	53 626 09600	62,29
10,0	21,0	9,7	30	34	74	10	2	53 623 10100	50,29	53 625 10100	60,80	53 624 10100	50,29	53 626 10100	60,80
10,5	25,0	10,1	36	40	85	12	2	53 623 10600	76,56	53 625 10600	87,08	53 624 10600	76,56	53 626 10600	87,08
11,0	25,0	10,6	36	40	85	12	2	53 623 11100	75,06	53 625 11100	85,57	53 624 11100	75,06	53 626 11100	85,57
11,5	25,0	11,1	36	40	85	12	2	53 623 11600	72,81	53 625 11600	83,31	53 624 11600	72,81	53 626 11600	83,31
12,0	25,0	11,6	36	40	85	12	2	53 623 12100	71,30	53 625 12100	85,57	53 624 12100	71,30	53 626 12100	85,57
12,5	29,0	12,1	42	46	91	14	2					53 624 12600	102,83	53 626 12600	117,10
13,0	29,0	12,6	42	46	91	14	2					53 624 13100	102,08	53 626 13100	116,35
13,5	29,0	13,1	42	46	91	14	2					53 624 13600	100,58	53 626 13600	115,60
14,0	29,0	13,6	42	46	91	14	2					53 624 14100	102,08	53 626 14100	121,61
14,5	33,0	14,0	48	52	100	16	2					53 624 14600	139,61	53 626 14600	159,13
15,0	33,0	14,5	48	52	100	16	2					53 624 15100	135,86	53 626 15100	156,12
15,5	33,0	15,0	48	52	100	16	2					53 624 15600	132,86	53 626 15600	152,37
16,0	33,0	15,5	48	52	100	16	2					53 624 16100	139,61	53 626 16100	162,89
16,5	38,0	16,0	54	58	106	18	2					53 624 16600	180,90	53 626 16600	204,17
17,0	38,0	16,5	54	58	106	18	2					53 624 17100	175,64	53 626 17100	198,91
17,5	38,0	17,0	54	58	106	18	2					53 624 17600	171,14	53 626 17600	193,66
18,0	38,0	17,5	54	58	106	18	2					53 624 18100	168,89	53 626 18100	193,66
18,5	42,0	18,0	60	64	114	20	2					53 624 18600	223,69	53 626 18600	248,45
19,0	42,0	18,5	60	64	114	20	2					53 624 19100	217,68	53 626 19100	242,45
19,5	42,0	19,0	60	64	114	20	2					53 624 19600	210,91	53 626 19600	236,45
20,0	42,0	19,5	60	64	114	20	2					53 624 20100	207,16	53 626 20100	238,70

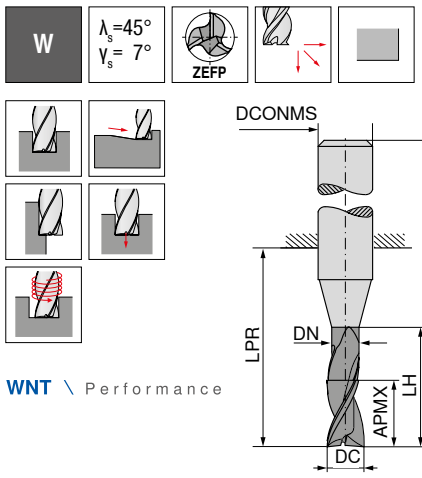
Steel				
Stainless steel				
Cast iron				
Non ferrous metals	●	●	●	●
Heat resistant alloys				
Hardened materials				

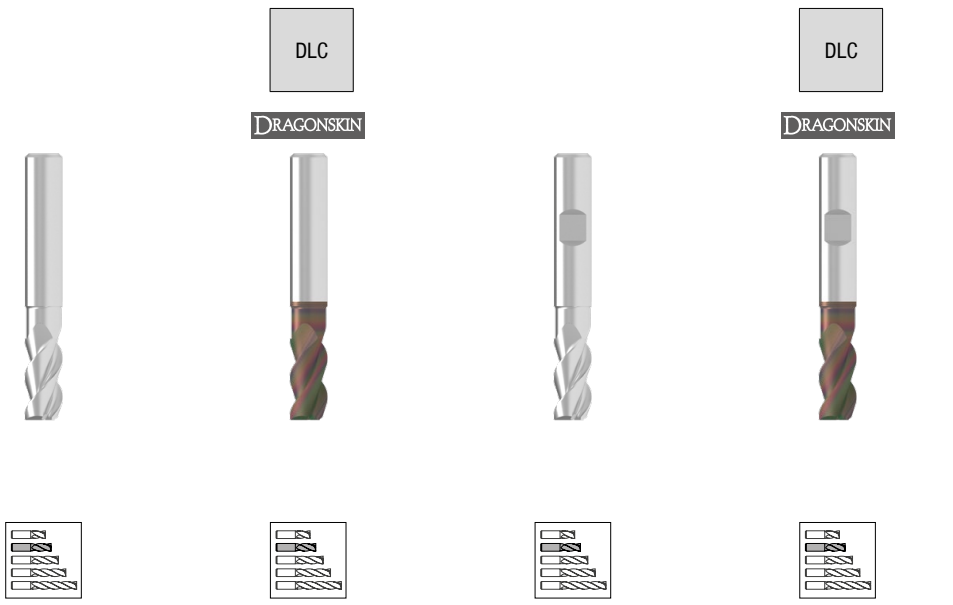
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AluLine – End milling cutter

▲ With polished chip flutes





DC h6	APMX	DN	LH	LPR	OAL	DCONMS h6	ZEFP	Factory standard HA		Factory standard HA		Factory standard HB		Factory standard HB	
mm	mm	mm	mm	mm	mm	mm		Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
2,0	4,5	1,8	6,0	14	50	6	3	53 615 02100	25,52	53 617 02100	33,02	53 616 02100	25,52	53 618 02100	33,02
2,5	5,5	2,3	7,5	19	55	6	3	53 615 02600	25,52	53 617 02600	32,27	53 616 02600	25,52	53 618 02600	32,27
3,0	6,5	2,8	9,0	19	55	6	3	53 615 03100	25,52	53 617 03100	33,02	53 616 03100	25,52	53 618 03100	33,02
3,5	8,5	3,3	12,0	19	55	6	3	53 615 03600	27,02	53 617 03600	34,53	53 616 03600	27,02	53 618 03600	34,53
4,0	8,5	3,8	12,0	19	55	6	3	53 615 04100	27,78	53 617 04100	34,53	53 616 04100	27,78	53 618 04100	34,53
4,5	10,5	4,3	15,0	22	58	6	3	53 615 04600	35,28	53 617 04600	42,03	53 616 04600	35,28	53 618 04600	42,03
5,0	10,5	4,8	15,0	22	58	6	3	53 615 05100	30,78	53 617 05100	37,53	53 616 05100	30,78	53 618 05100	37,53
5,5	13,0	5,3	18,0	22	58	6	3	53 615 05600	36,03	53 617 05600	42,79	53 616 05600	36,03	53 618 05600	42,79
6,0	13,0	5,8	18,0	22	58	6	3	53 615 06100	31,53	53 617 06100	39,79	53 616 06100	31,53	53 618 06100	39,79
6,5	17,0	6,2	24,0	28	64	8	3	53 615 06600	37,53	53 617 06600	46,54	53 616 06600	37,53	53 618 06600	46,54
7,0	17,0	6,7	24,0	28	64	8	3	53 615 07100	36,78	53 617 07100	45,03	53 616 07100	36,78	53 618 07100	45,03
7,5	17,0	7,2	24,0	28	64	8	3	53 615 07600	36,03	53 617 07600	44,29	53 616 07600	36,03	53 618 07600	44,29
8,0	17,0	7,7	24,0	28	64	8	3	53 615 08100	34,53	53 617 08100	43,54	53 616 08100	34,53	53 618 08100	43,54
8,5	21,0	8,2	30,0	34	74	10	3	53 615 08600	58,54	53 617 08600	67,55	53 616 08600	58,54	53 618 08600	67,55
9,0	21,0	8,7	30,0	34	74	10	3	53 615 09100	57,05	53 617 09100	66,06	53 616 09100	57,05	53 618 09100	66,06
9,5	21,0	9,2	30,0	34	74	10	3	53 615 09600	55,55	53 617 09600	64,55	53 616 09600	55,55	53 618 09600	64,55
10,0	21,0	9,7	30,0	34	74	10	3	53 615 10100	52,55	53 617 10100	63,05	53 616 10100	52,55	53 618 10100	63,05
10,5	25,0	10,1	36,0	40	85	12	3	53 615 10600	81,07	53 617 10600	90,83	53 616 10600	81,07	53 618 10600	90,83
11,0	25,0	10,6	36,0	40	85	12	3	53 615 11100	78,82	53 617 11100	89,32	53 616 11100	78,82	53 618 11100	89,32
11,5	25,0	11,1	36,0	40	85	12	3	53 615 11600	76,56	53 617 11600	86,32	53 616 11600	76,56	53 618 11600	86,32
12,0	25,0	11,6	36,0	40	85	12	3	53 615 12100	75,06	53 617 12100	89,32	53 616 12100	75,06	53 618 12100	89,32
12,5	29,0	12,1	42,0	46	91	14	3					53 616 12600	102,83	53 618 12600	117,10
13,0	29,0	12,6	42,0	46	91	14	3					53 616 13100	102,08	53 618 13100	116,35
13,5	29,0	13,1	42,0	46	91	14	3					53 616 13600	100,58	53 618 13600	115,60
14,0	29,0	13,6	42,0	46	91	14	3					53 616 14100	102,08	53 618 14100	121,61
14,5	33,0	14,0	48,0	52	100	16	3					53 616 14600	139,61	53 618 14600	159,13
15,0	33,0	14,5	48,0	52	100	16	3					53 616 15100	135,86	53 618 15100	156,12
15,5	33,0	15,0	48,0	52	100	16	3					53 616 15600	132,86	53 618 15600	152,37
16,0	33,0	15,5	48,0	52	100	16	3					53 616 16100	139,61	53 618 16100	162,89
16,5	38,0	16,0	54,0	58	106	18	3					53 616 16600	180,90	53 618 16600	204,17
17,0	38,0	16,5	54,0	58	106	18	3					53 616 17100	175,64	53 618 17100	198,91
17,5	38,0	17,0	54,0	58	106	18	3					53 616 17600	171,14	53 618 17600	193,66
18,0	38,0	17,5	54,0	58	106	18	3					53 616 18100	168,89	53 618 18100	193,66
18,5	42,0	18,0	60,0	64	114	20	3					53 616 18600	223,69	53 618 18600	248,45
19,0	42,0	18,5	60,0	64	114	20	3					53 616 19100	217,68	53 618 19100	242,45
19,5	42,0	19,0	60,0	64	114	20	3					53 616 19600	210,91	53 618 19600	236,45
20,0	42,0	19,5	60,0	64	114	20	3					53 616 20100	207,16	53 618 20100	238,70

DC h10/h6	APMX	DN	LH	LPR	OAL	DCONMS h6	ZEFP	Factory standard HA		Factory standard HA		Factory standard HB		Factory standard HB	
mm	mm	mm	mm	mm	mm	mm		Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
2,0	5,5	1,8	10,0	19	55	6	3	53 615 02200	30,78	53 617 02200	37,53	53 616 02200	30,78	53 618 02200	37,53
2,5	6,5	2,3	12,5	22	58	6	3	53 615 02700	30,02	53 617 02700	37,53	53 616 02700	30,02	53 618 02700	37,53
3,0	8,0	2,8	15,0	22	58	6	3	53 615 03200	30,78	53 617 03200	38,28	53 616 03200	30,78	53 618 03200	38,28
3,5	10,5	3,3	20,0	26	62	6	3	53 615 03700	32,27	53 617 03700	39,79	53 616 03700	32,27	53 618 03700	39,79
4,0	10,5	3,8	20,0	26	62	6	3	53 615 04200	33,02	53 617 04200	40,54	53 616 04200	33,02	53 618 04200	40,54
4,5	13,0	4,3	25,0	34	70	6	3	53 615 04700	42,03	53 617 04700	48,80	53 616 04700	42,03	53 618 04700	48,80
5,0	13,0	4,8	25,0	34	70	6	3	53 615 05200	36,78	53 617 05200	44,29	53 616 05200	36,78	53 618 05200	44,29
5,5	16,0	5,3	30,0	34	70	6	3	53 615 05700	42,79	53 617 05700	50,29	53 616 05700	42,79	53 618 05700	50,29
6,0	16,0	5,8	30,0	34	70	6	3	53 615 06200	37,53	53 617 06200	45,79	53 616 06200	37,53	53 618 06200	45,79
6,5	21,0	6,2	40,0	44	80	8	3	53 615 06700	45,79	53 617 06700	54,04	53 616 06700	45,79	53 618 06700	54,04
7,0	21,0	6,7	40,0	44	80	8	3	53 615 07200	44,29	53 617 07200	52,55	53 616 07200	44,29	53 618 07200	52,55
7,5	21,0	7,2	40,0	44	80	8	3	53 615 07700	42,79	53 617 07700	51,80	53 616 07700	42,79	53 618 07700	51,80
8,0	21,0	7,7	40,0	44	80	8	3	53 615 08200	41,28	53 617 08200	50,29	53 616 08200	41,28	53 618 08200	50,29
8,5	26,0	8,2	50,0	54	94	10	3	53 615 08700	69,81	53 617 08700	79,56	53 616 08700	69,81	53 618 08700	79,56
9,0	26,0	8,7	50,0	54	94	10	3	53 615 09200	68,30	53 617 09200	77,31	53 616 09200	68,30	53 618 09200	77,31
9,5	26,0	9,2	50,0	54	94	10	3	53 615 09700	66,06	53 617 09700	75,81	53 616 09700	66,06	53 618 09700	75,81
10,0	26,0	9,7	50,0	54	94	10	3	53 615 10200	63,05	53 617 10200	73,56	53 616 10200	63,05	53 618 10200	73,56
10,5	31,0	10,1	60,0	64	109	12	3	53 615 10700	96,82	53 617 10700	107,34	53 616 10700	96,82	53 618 10700	107,34
11,0	31,0	10,6	60,0	64	109	12	3	53 615 11200	94,58	53 617 11200	104,34	53 616 11200	94,58	53 618 11200	104,34
11,5	31,0	11,1	60,0	64	109	12	3	53 615 11700	91,58	53 617 11700	102,08	53 616 11700	91,58	53 618 11700	102,08
12,0	31,0	11,6	60,0	64	109	12	3	53 615 12200	90,08	53 617 12200	104,34	53 616 12200	90,08	53 618 12200	104,34
12,5	36,0	12,1	70,0	74	119	14	3					53 616 12700	123,10	53 618 12700	137,36
13,0	36,0	12,6	70,0	74	119	14	3					53 616 13200	122,35	53 618 13200	136,61
13,5	36,0	13,1	70,0	74	119	14	3					53 616 13700	120,85	53 618 13700	135,86
14,0	36,0	13,6	70,0	74	119	14	3					53 616 14200	122,35	53 618 14200	141,87
14,5	41,0	14,0	80,0	84	132	16	3					53 616 14700	167,39	53 618 14700	186,90
15,0	41,0	14,5	80,0	84	132	16	3					53 616 15200	163,64	53 618 15200	183,15
15,5	41,0	15,0	80,0	84	132	16	3					53 616 15700	159,89	53 618 15700	179,40
16,0	41,0	15,5	80,0	84	132	16	3					53 616 16200	168,14	53 618 16200	190,65
16,5	47,0	16,0	90,0	94	142	18	3					53 616 16700	216,92	53 618 16700	240,20
17,0	47,0	16,5	90,0	94	142	18	3					53 616 17200	210,91	53 618 17200	234,19
17,5	47,0	17,0	90,0	94	142	18	3					53 616 17700	204,92	53 618 17700	228,18
18,0	47,0	17,5	90,0	94	142	18	3					53 616 18200	202,66	53 618 18200	227,44
18,5	52,0	18,0	100,0	104	154	20	3					53 616 18700	290,49	53 618 18700	316,01
19,0	52,0	18,5	100,0	104	154	20	3					53 616 19200	282,98	53 618 19200	307,75
19,5	52,0	19,0	100,0	104	154	20	3					53 616 19700	274,73	53 618 19700	299,50
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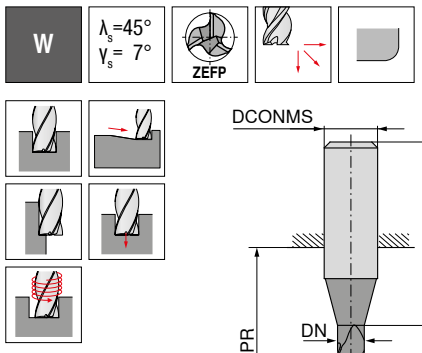
Steel				
Stainless steel				
Cast iron				
Non ferrous metals	●	●	●	●
Heat resistant alloys				
Hardened materials				

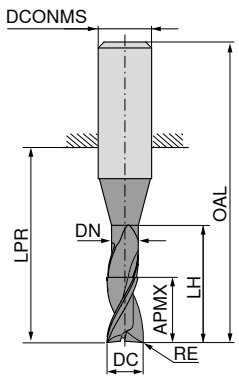
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AluLine – End milling cutter with corner radius

▲ With polished chip flutes







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Factory standard

HA

Article no.



Factory standard

HA

Article no.



Factory standard

HB

Article no.



Factory standard

HB

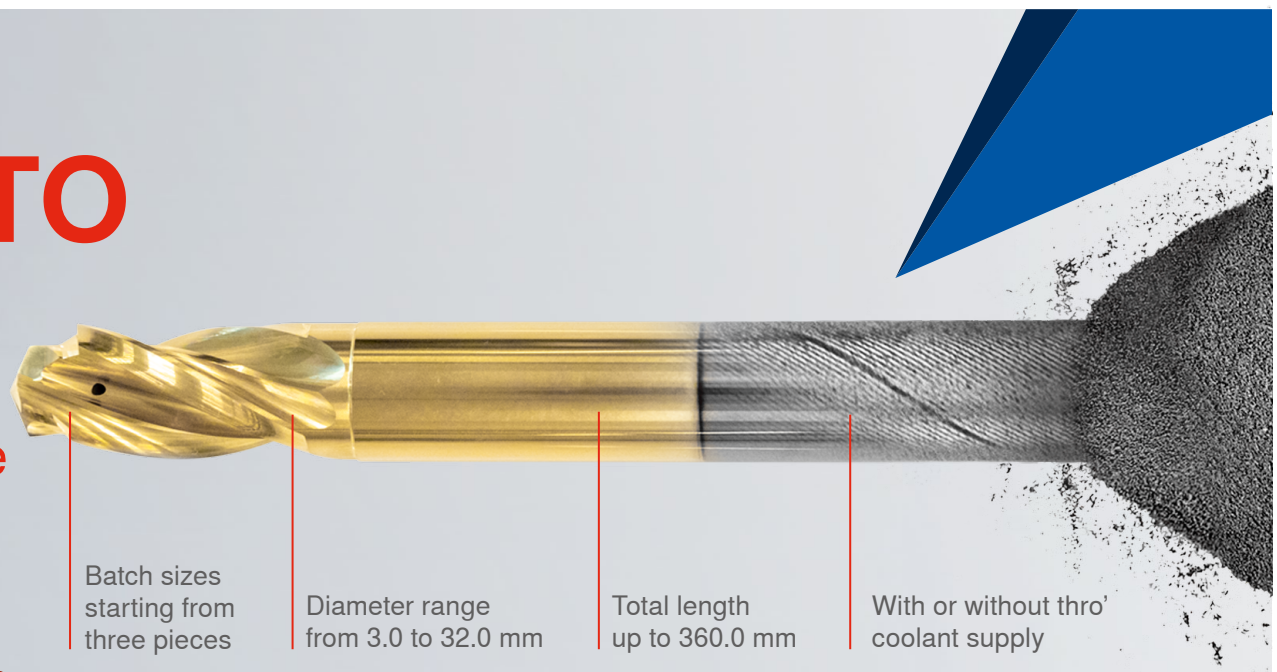
Article no.

DC h6	RE ±0,05	APMX	DN	LH	LPR	OAL	DCONMS h6	ZEFP	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm									
2	0,5	4,5	1,8	6	14	50	6	3	53 708 02105	27,02	53 710 02105	33,78	53 709 02105	27,02	53 711 02105	33,78
2	0,3	4,5	1,8	6	14	50	6	3	53 708 02103	27,02	53 710 02103	33,78	53 709 02103	27,02	53 711 02103	33,78
3	1,0	6,5	2,7	9	19	55	6	3	53 708 03110	27,78	53 710 03110	34,53	53 709 03110	27,78	53 711 03110	34,53
3	0,5	6,5	2,7	9	19	55	6	3	53 708 03105	27,78	53 710 03105	34,53	53 709 03105	27,78	53 711 03105	34,53
3	0,3	6,5	2,7	9	19	55	6	3	53 708 03103	27,78	53 710 03103	34,53	53 709 03103	27,78	53 711 03103	34,53
4	0,3	8,5	3,7	12	19	55	6	3	53 708 04103	29,27	53 710 04103	36,78	53 709 04103	29,27	53 711 04103	36,78
4	1,0	8,5	3,7	12	19	55	6	3	53 708 04110	29,27	53 710 04110	36,78	53 709 04110	29,27	53 711 04110	36,78
4	0,5	8,5	3,7	12	19	55	6	3	53 708 04105	29,27	53 710 04105	36,78	53 709 04105	29,27	53 711 04105	36,78
5	1,0	10,5	4,7	15	22	58	6	3	53 708 05110	33,02	53 710 05110	40,54	53 709 05110	33,02	53 711 05110	39,79
5	0,5	10,5	4,7	15	22	58	6	3	53 708 05105	33,02	53 710 05105	40,54	53 709 05105	33,02	53 711 05105	39,79
5	0,3	10,5	4,7	15	22	58	6	3	53 708 05103	33,02	53 710 05103	40,54	53 709 05103	33,02	53 711 05103	39,79
6	1,5	13,0	5,7	18	22	58	6	3	53 708 06115	33,02	53 710 06115	42,03	53 709 06115	33,02	53 711 06115	42,03
6	0,5	13,0	5,7	18	22	58	6	3	53 708 06105	33,02	53 710 06105	42,03	53 709 06105	33,02	53 711 06105	42,03
6	1,0	13,0	5,7	18	22	58	6	3	53 708 06110	33,02	53 710 06110	42,03	53 709 06110	33,02	53 711 06110	42,03
6	0,3	13,0	5,7	18	22	58	6	3	53 708 06103	33,02	53 710 06103	42,03	53 709 06103	33,02	53 711 06103	42,03
8	0,5	17,0	7,4	24	28	64	8	3	53 708 08105	36,78	53 710 08105	45,79	53 709 08105	36,78	53 711 08105	45,79
8	1,5	17,0	7,4	24	28	64	8	3	53 708 08115	36,78	53 710 08115	45,79	53 709 08115	36,78	53 711 08115	45,79
8	1,0	17,0	7,4	24	28	64	8	3	53 708 08110	36,78	53 710 08110	45,79	53 709 08110	36,78	53 711 08110	45,79
8	2,0	17,0	7,4	24	28	64	8	3	53 708 08120	36,78	53 710 08120	45,79	53 709 08120	36,78	53 711 08120	45,79
8	0,3	17,0	7,4	24	28	64	8	3	53 708 08103	36,78	53 710 08103	45,79	53 709 08103	36,78	53 711 08103	45,79
10	1,5	21,0	9,2	30	34	74	10	3	53 708 10115	56,30	53 710 10115	66,80	53 709 10115	56,30	53 711 10115	66,80
10	1,0	21,0	9,2	30	34	74	10	3	53 708 10110	56,30	53 710 10110	66,80	53 709 10110	56,30	53 711 10110	66,80
10	2,0	21,0	9,2	30	34	74	10	3	53 708 10120	56,30	53 710 10120	66,80	53 709 10120	56,30	53 711 10120	66,80
10	0,5	21,0	9,2	30	34	74	10	3	53 708 10105	56,30	53 710 10105	66,80	53 709 10105	56,30	53 711 10105	66,80
10	3,0	21,0	9,2	30	34	74	10	3	53 708 10130	56,30	53 710 10130	66,80	53 709 10130	56,30	53 711 10130	66,80
10	0,3	21,0	9,2	30	34	74	10	3	53 708 10103	56,30	53 710 10103	66,80	53 709 10103	56,30	53 711 10103	66,80
12	0,5	25,0	11,0	36	40	85	12	3	53 708 12105	79,56	53 710 12105	94,58	53 709 12105	79,56	53 711 12105	94,58
12	2,0	25,0	11,0	36	40	85	12	3	53 708 12120	79,56	53 710 12120	94,58	53 709 12120	79,56	53 711 12120	94,58
12	1,5	25,0	11,0	36	40	85	12	3	53 708 12115	79,56	53 710 12115	94,58	53 709 12115	79,56	53 711 12115	94,58
12	3,0	25,0	11,0	36	40	85	12	3	53 708 12130	79,56	53 710 12130	94,58	53 709 12130	79,56	53 711 12130	94,58
12	1,0	25,0	11,0	36	40	85	12	3	53 708 12110	79,56	53 710 12110	94,58	53 709 12110	79,56	53 711 12110	94,58
12	4,0	25,0	11,0	36	40	85	12	3	53 708 12140	79,56	53 710 12140	94,58	53 709 12140	79,56	53 711 12140	94,58
12	0,3	25,0	11,0	36	40	85	12	3	53 708 12103	79,56	53 710 12103	94,58	53 709 12103	79,56	53 711 12103	94,58
16	0,3	33,0	15,0	48	52	100	16	3					53 709 16103	128,36	53 711 16103	150,88
16	2,0	33,0	15,0	48	52	100	16	3					53 709 16120	128,36	53 711 16120	150,88
16	1,5	33,0	15,0	48	52	100	16	3					53 709 16115	128,36	53 711 16115	150,88
16	3,0	33,0	15,0	48	52	100	16	3					53 709 16130	128,36	53 711 16130	150,88
16	1,0	33,0	15,0	48	52	100	16	3					53 709 16110	128,36	53 711 16110	150,88
16	4,0	33,0	15,0	48	52	100	16	3					53 709 16140	128,36	53 711 16140	150,88
16	0,5	33,0	15,0	48	52	100	16	3					53 709 16105	128,36	53 711 16105	150,88
20	0,5	42,0	19,0	60	64	114	20	3					53 709 20105	201,92	53 711 20105	233,44
20	2,0	42,0	19,0	60	64	114	20	3					53 709 20120	201,92	53 711 20120	233,44
20	3,0	42,0	19,0	60	64	114	20	3					53 709 20130	201,92	53 711 20130	233,44
20	1,5	42,0	19,0	60	64	114	20	3					53 709 20115	201,92	53 711 20115	233,44
20	4,0	42,0	19,0	60	64	114	20	3					53 709 20140	201,92	53 711 20140	233,44
20	1,0	42,0	19,0	60	64	114	20	3					53 709 20110	201,92	53 711 20110	233,44

Steel				
Stainless steel				
Cast iron				
Non ferrous metals	●	●	●	●
Heat resistant alloys				
Hardened materials				

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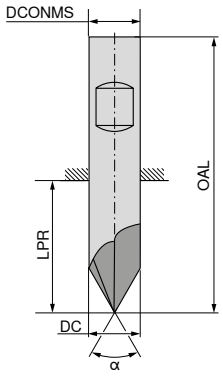
AluLine – NC deburring cutter

W

λ_s=0°
γ_s=8°



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DC h6 mm	OAL mm	LPR mm	DCONMS h6 mm	ZEFP	α = 60° Factory standard HA NEW Article no.	V1 EUR	α = 60° Factory standard HB NEW Article no.	V1 EUR	α = 60° Factory standard HA NEW Article no.	V1 EUR	α = 60° Factory standard HB NEW Article no.	V1 EUR
4	50	22	4	4	53 666 04000	20,67			53 662 04000	24,21		
6	55	19	6	4	53 666 06000	23,07	53 667 06000	23,07	53 662 06000	26,61	53 663 06000	26,61
8	58	22	8	4	53 666 08000	26,96	53 667 08000	26,96	53 662 08000	30,95	53 663 08000	30,95
10	60	20	10	4	53 666 10000	38,07	53 667 10000	38,07	53 662 10000	42,87	53 663 10000	42,87
12	70	25	12	4	53 666 12000	42,87	53 667 12000	42,87	53 662 12000	48,35	53 663 12000	48,35
16	80	32	16	4	53 666 16000	71,39	53 667 16000	71,39	53 662 16000	78,79	53 663 16000	78,79

Steel				
Stainless steel				
Cast iron				
Non ferrous metals	●	●	●	●
Heat resistant alloys				
Hardened materials				

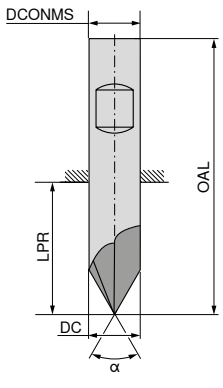
AluLine – NC deburring cutter

W

λ_s=0°
γ_s=8°



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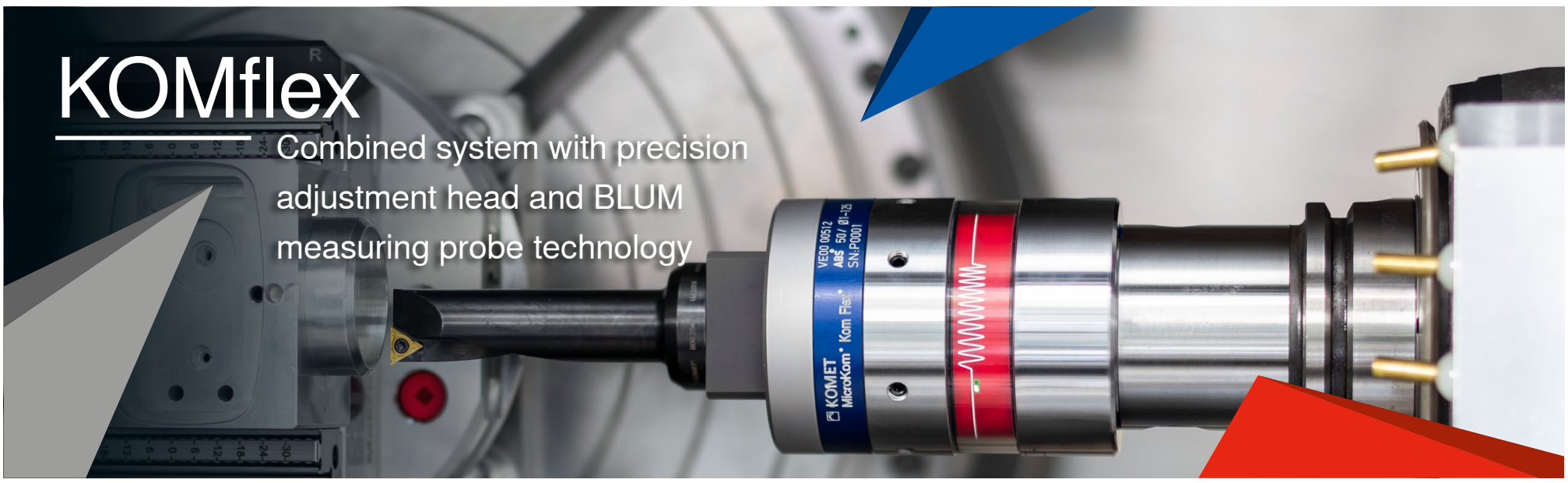


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DC h6 mm	OAL mm	LPR mm	DCONMS h6 mm	ZEFP	α = 60° Factory standard HA NEW Article no.	V1 EUR	α = 90° Factory standard HB NEW Article no.	V1 EUR	α = 90° Factory standard HA NEW Article no.	V1 EUR	α = 90° Factory standard HB NEW Article no.	V1 EUR
4	50	22	4	4	53 664 04000	20,67			53 660 04000	24,21		
6	55	19	6	4	53 664 06000	23,07	53 665 06000	23,07	53 660 06000	26,61	53 661 06000	26,61
8	58	22	8	4	53 664 08000	26,96	53 665 08000	26,96	53 660 08000	30,95	53 661 08000	30,95
10	60	20	10	4	53 664 10000	38,07	53 665 10000	38,07	53 660 10000	42,87	53 661 10000	42,87
12	70	25	12	4	53 664 12000	42,87	53 665 12000	42,87	53 660 12000	48,35	53 661 12000	48,35
16	80	32	16	4	53 664 16000	71,39	53 665 16000	71,39	53 660 16000	78,79	53 661 16000	78,79

Steel				
Stainless steel				
Cast iron				
Non ferrous metals	●	●	●	●
Heat resistant alloys				
Hardened materials				



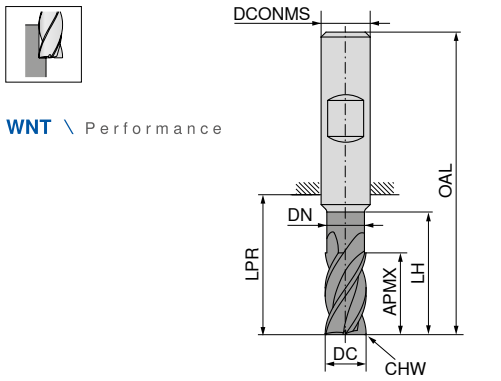
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http://cuttingtools.ceratizit.com

CircularLine – End milling cutter

- Chip breaker 0.9 x DC
- 53 585 ... Cutting depth: 2 x DC
- 53 587 ... Cutting depth: 3 x DC

CCR UNI | λ_s=30° 31° | γ_s= 8° | ZEFP | HPC



WNT \ Performance

DPX72S | DRAGONSKIN



DPX72S | DRAGONSKIN





Factory standard

HB



Factory standard

HB

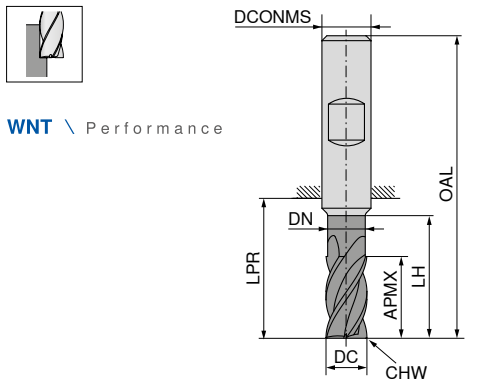
DC e8	OAL	APMX	DN	LH	LPR	DCONMS h6	CHW	ZEFP	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm					
6	57	13	5,8	19	21	6	0,2	6	53 585 060	38,38		
6	63	19	5,8	25	27	6	0,2	6			53 587 060	37,62
8	71	25	7,7	33	35	8	0,2	6			53 587 080	48,82
8	63	21	7,7	25	27	8	0,2	6	53 585 080	50,04		
10	83	31	9,7	41	43	10	0,2	6			53 587 100	68,82
10	72	22	9,7	30	32	10	0,2	6	53 585 100	64,30		
12	94	37	11,6	47	49	12	0,2	6			53 587 120	80,83
12	83	26	11,6	36	38	12	0,2	6	53 585 120	82,69		
16	111	49	15,5	61	63	16	0,2	6			53 587 160	167,24
16	92	36	15,5	42	44	16	0,2	6	53 585 160	164,93		
20	127	61	19,5	75	77	20	0,2	6			53 587 200	234,47
20	104	41	19,5	52	54	20	0,2	6	53 585 200	237,13		

Steel	●	●
Stainless steel	○	○
Cast iron	●	●
Non ferrous metals		
Heat resistant alloys	○	○
Hardened materials		

CircularLine – End milling cutter

- Chip breaker 0,9 x DC
- Cutting depth: 4 x DC

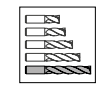
CCR UNI | λ_s=35° 36° | γ_s= 8° | ZEFP | HPC



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Factory standard

HB



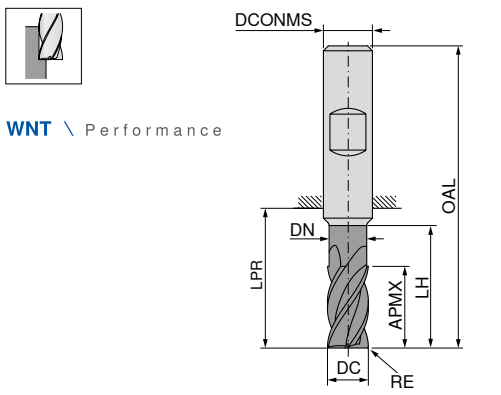
DC e8	OAL	APMX	DN	LH	LPR	DCONMS h6	CHW	ZEFP	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm			
6	67	25	5,8	29	31	6	0,2	5	53 589 060	39,22
8	76	33	7,7	38	40	8	0,2	5	53 589 080	50,42
10	89	41	9,7	47	49	10	0,2	5	53 589 100	69,62
12	102	49	11,6	55	57	12	0,2	5	53 589 120	84,82
16	123	65	15,5	73	75	16	0,2	5	53 589 160	170,45
20	143	82	19,5	91	93	20	0,2	5	53 589 200	240,06

Steel	●
Stainless steel	○
Cast iron	●
Non ferrous metals	
Heat resistant alloys	○
Hardened materials	

CircularLine – End milling cutter

- Chip breaker 0.9 x DC
- Cutting depth: 2 x DC

CCR UNI | λ_s=30° 31° | γ_s= 8° | ZEFP | HPC



WNT \ Performance

DPX72S | DRAGONSKIN





Factory standard

HB

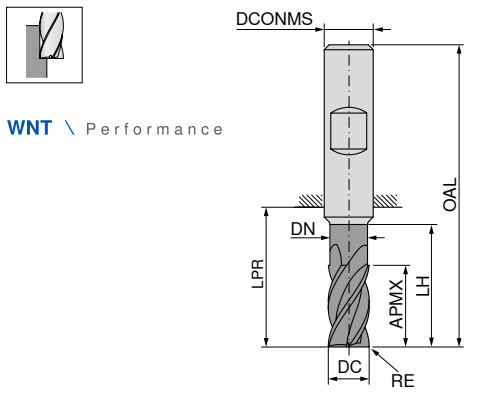
DC e8	OAL	RE ±0,05	APMX	DN	LH	LPR	DCONMS h6	ZEFP	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm			
6	57	1,0	13	5,8	19	21	6	6	53 586 06010	38,58
6	57	1,5	13	5,8	19	21	6	6	53 586 06015	38,58
6	57	0,2	13	5,8	19	21	6	6	53 586 06002	38,38
8	63	1,5	21	7,7	25	27	8	6	53 586 08015	51,24
8	63	1,0	21	7,7	25	27	8	6	53 586 08010	51,24
8	63	2,0	21	7,7	25	27	8	6	53 586 08020	51,24
8	63	0,2	21	7,7	25	27	8	6	53 586 08002	50,04
10	72	1,0	22	9,7	30	32	10	6	53 586 10010	66,06
10	72	1,6	22	9,7	30	32	10	6	53 586 10016	66,06
10	72	1,5	22	9,7	30	32	10	6	53 586 10015	66,06
10	72	2,0	22	9,7	30	32	10	6	53 586 10020	66,06
10	72	0,2	22	9,7	30	32	10	6	53 586 10002	64,30
12	83	1,5	26	11,6	36	38	12	6	53 586 12015	83,06
12	83	1,6	26	11,6	36	38	12	6	53 586 12016	83,06
12	83	2,0	26	11,6	36	38	12	6	53 586 12020	83,06
12	83	1,0	26	11,6	36	38	12	6	53 586 12010	83,06
12	83	3,0	26	11,6	36	38	12	6	53 586 12030	83,06
12	83	0,2	26	11,6	36	38	12	6	53 586 12002	82,69
16	92	1,6	36	15,5	42	44	16	6	53 586 16016	171,86
16	92	4,0	36	15,5	42	44	16	6	53 586 16040	171,86
16	92	1,5	36	15,5	42	44	16	6	53 586 16015	171,86
16	92	2,0	36	15,5	42	44	16	6	53 586 16020	171,86
16	92	1,0	36	15,5	42	44	16	6	53 586 16010	177,83
16	92	3,0	36	15,5	42	44	16	6	53 586 16030	171,86
16	92	0,2	36	15,5	42	44	16	6	53 586 16002	164,93
20	104	1,0	41	19,5	52	54	20	6	53 586 20010	239,51
20	104	2,0	41	19,5	52	54	20	6	53 586 20020	239,51
20	104	1,6	41	19,5	52	54	20	6	53 586 20016	239,51
20	104	3,0	41	19,5	52	54	20	6	53 586 20030	239,51
20	104	1,5	41	19,5	52	54	20	6	53 586 20015	239,51
20	104	4,0	41	19,5	52	54	20	6	53 586 20040	239,51
20	104	0,2	41	19,5	52	54	20	6	53 586 20002	237,13

Steel	●
Stainless steel	○
Cast iron	●
Non ferrous metals	
Heat resistant alloys	○
Hardened materials	

CircularLine – End milling cutter

- Chip breaker 0.9 x DC
- Cutting depth: 4 x DC

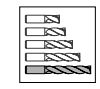
CCR UNI | λ_s=35° 36° | γ_s= 9° | ZEFP | HPC



WNT \ Performance

DPX72S | DRAGONSKIN





Factory standard

HB



DC e8	OAL	RE ±0,05	APMX	DN	LH	LPR	DCONMS h6	ZEFP	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm			
6	67	1,5	25	5,8	29	31	6	5	53 593 06015	40,01
6	67	0,2	25	5,8	29	31	6	5	53 593 06002	39,22
6	67	1,0	25	5,8	29	31	6	5	53 593 06010	40,01
8	76	1,5	33	7,7	38	40	8	5	53 593 08015	51,22
8	76	2,0	33	7,7	38	40	8	5	53 593 08020	51,22
8	76	0,2	33	7,7	38	40	8	5	53 593 08002	50,42
8	76	1,0	33	7,7	38	40	8	5	53 593 08010	51,22
10	89	1,5	41	9,7	47	49	10	5	53 593 10015	71,23
10	89	2,0	41	9,7	47	49	10	5	53 593 10020	71,23
10	89	1,6	41	9,7	47	49	10	5	53 593 10016	71,23
10	89	0,2	41	9,7	47	49	10	5	53 593 10002	69,62
10	89	1,0	41	9,7	47	49	10	5	53 593 10010	71,23
12	102	1,0	49	11,6	55	57	12	5	53 593 12010	87,22
12	102	2,0	49	11,6	55	57	12	5	53 593 12020	87,22
12	102	3,0	49	11,6	55	57	12	5	53 593 12030	87,22
12	102	1,6	49	11,6	55	57	12	5	53 593 12016	87,22
12	102	0,2	49	11,6	55	57	12	5	53 593 12002	84,82
12	102	1,5	49	11,6	55	57	12	5	53 593 12015	87,22
16	123	1,6	65	15,5	73	75	16	5	53 593 16016	173,65
16	123	3,0	65	15,5	73	75	16	5	53 593 16030	173,65
16	123	2,0	65	15,5	73	75	16	5	53 593 16020	173,65
16	123	4,0	65	15,5	73	75	16	5	53 593 16040	173,65
16	123	1,5	65	15,5	73	75	16	5	53 593 16015	173,65
16	123	0,2	65	15,5	73	75	16	5	53 593 16002	170,45
16	123	1,0	65	15,5	73	75	16	5	53 593 16010	173,65
20	143	1,5	82	19,5	91	93	20	5	53 593 20015	244,06
20	143	3,0	82	19,5	91	93	20	5	53 593 20030	244,06
20	143	2,0	82	19,5	91	93	20	5	53 593 20020	244,06
20	143	4,0	82	19,5	91	93	20	5	53 593 20040	244,06
20	143	1,6	82	19,5	91	93	20	5	53 593 20016	244,06
20	143	0,2	82	19,5	91	93	20	5	53 593 20002	240,06
20	143	1,0	82	19,5	91	93	20	5	53 593 20010	244,06

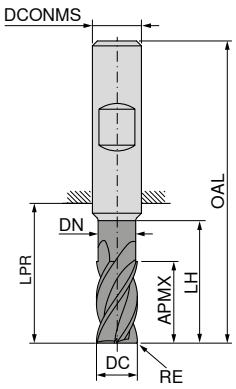
Steel	●
Stainless steel	○
Cast iron	●
Non ferrous metals	
Heat resistant alloys	○
Hardened materials	

CircularLine – End milling cutter

- Chip breaker 0.9 x DC
- Cutting depth: 3 x DC

CCR UNI | λ_s=30° γ_s= 8° | ZEFP | HPC | DPX72S | DRAGONSKIN

WNT \ Performance





Factory standard

HB

DC e8	RE ±0,05	APMX	DN	LH	LPR	OAL	DCONMS h6	ZEFP	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm			
6	0,2	19	5,8	25	27	63	6	6	53 642 06202	37,62
6	1,0	19	5,8	25	27	63	6	6	53 642 06210	38,41
6	1,5	19	5,8	25	27	63	6	6	53 642 06215	38,41
8	0,2	25	7,7	33	35	71	8	6	53 642 08202	48,82
8	1,0	25	7,7	33	35	71	8	6	53 642 08210	50,42
8	1,5	25	7,7	33	35	71	8	6	53 642 08215	50,42
8	2,0	25	7,7	33	35	71	8	6	53 642 08220	50,42
10	0,2	31	9,7	41	43	83	10	6	53 642 10202	68,82
10	1,0	31	9,7	41	43	83	10	6	53 642 10210	70,41
10	1,5	31	9,7	41	43	83	10	6	53 642 10215	70,41
10	1,6	31	9,7	41	43	83	10	6	53 642 10216	70,41
10	2,0	31	9,7	41	43	83	10	6	53 642 10220	70,41
12	0,2	37	11,6	47	49	94	12	6	53 642 12202	80,83
12	1,0	37	11,6	47	49	94	12	6	53 642 12210	83,22
12	1,5	37	11,6	47	49	94	12	6	53 642 12215	83,22
12	1,6	37	11,6	47	49	94	12	6	53 642 12216	83,22
12	2,0	37	11,6	47	49	94	12	6	53 642 12220	83,22
12	3,0	37	11,6	47	49	94	12	6	53 642 12230	83,22
16	0,2	49	15,5	61	63	111	16	6	53 642 16202	167,24
16	1,0	49	15,5	61	63	111	16	6	53 642 16210	168,84
16	1,5	49	15,5	61	63	111	16	6	53 642 16215	168,84
16	1,6	49	15,5	61	63	111	16	6	53 642 16216	168,84
16	2,0	49	15,5	61	63	111	16	6	53 642 16220	168,84
16	3,0	49	15,5	61	63	111	16	6	53 642 16230	168,84
16	4,0	49	15,5	61	63	111	16	6	53 642 16240	168,84
20	0,2	61	19,5	75	77	127	20	6	53 642 20202	234,47
20	1,0	61	19,5	75	77	127	20	6	53 642 20210	236,85
20	1,5	61	19,5	75	77	127	20	6	53 642 20215	236,85
20	1,6	61	19,5	75	77	127	20	6	53 642 20216	236,85
20	2,0	61	19,5	75	77	127	20	6	53 642 20220	236,85
20	3,0	61	19,5	75	77	127	20	6	53 642 20230	236,85
20	4,0	61	19,5	75	77	127	20	6	53 642 20240	236,85

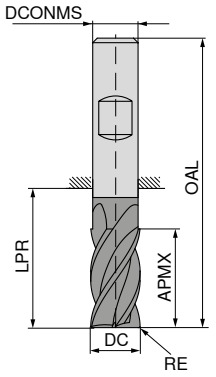
Steel	●
Stainless steel	○
Cast iron	●
Non ferrous metals	
Heat resistant alloys	○
Hardened materials	

CircularLine – End milling cutter

- Chip breaker 0.9 x DC
- Cutting depth: 5 x DC

CCR UNI | λ_s=35° γ_s= 9° | ZEFP | HPC | DPX72S | DRAGONSKIN

WNT \ Performance





Factory standard

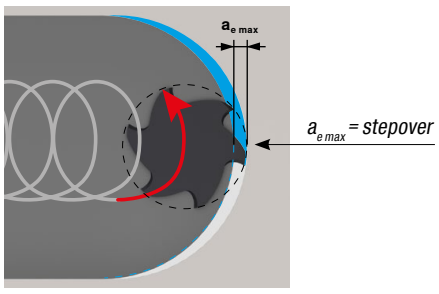
HB

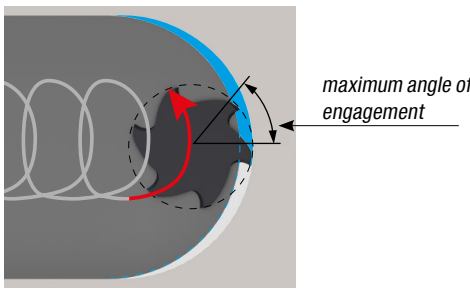
DC e8	RE ±0,05	APMX	LPR	OAL	DCONMS h6	ZEFP	Article no.	EUR
mm	mm	mm	mm	mm	mm			
6	0,2	31	39	75	6	5	53 593 06402	56,98
6	1,0	31	39	75	6	5	53 593 06410	56,98
6	1,5	31	39	75	6	5	53 593 06415	56,98
8	0,2	41	49	85	8	5	53 593 08402	65,68
8	1,0	41	49	85	8	5	53 593 08410	65,68
8	1,5	41	49	85	8	5	53 593 08415	65,68
8	2,0	41	49	85	8	5	53 593 08420	65,68
10	0,2	51	60	100	10	5	53 593 10402	90,68
10	1,0	51	60	100	10	5	53 593 10410	90,68
10	1,5	51	60	100	10	5	53 593 10415	90,68
10	1,6	51	60	100	10	5	53 593 10416	90,68
10	2,0	51	60	100	10	5	53 593 10420	90,68
12	0,2	61	70	115	12	5	53 593 12402	112,41
12	1,0	61	70	115	12	5	53 593 12410	112,41
12	1,5	61	70	115	12	5	53 593 12415	112,41
12	1,6	61	70	115	12	5	53 593 12416	112,41
12	2,0	61	70	115	12	5	53 593 12420	112,41
12	3,0	61	70	115	12	5	53 593 12430	112,41
14	0,2	71	81	126	14	5	53 593 14402	112,41
14	1,0	71	81	126	14	5	53 593 14410	230,89
14	1,5	71	81	126	14	5	53 593 14415	230,89
14	1,6	71	81	126	14	5	53 593 14416	230,89
14	2,0	71	81	126	14	5	53 593 14420	230,89
14	3,0	71	81	126	14	5	53 593 14430	230,89
16	0,2	81	92	140	16	5	53 593 16402	228,43
16	1,0	81	92	140	16	5	53 593 16410	228,43
16	1,5	81	92	140	16	5	53 593 16415	228,43
16	1,6	81	92	140	16	5	53 593 16416	228,43
16	2,0	81	92	140	16	5	53 593 16420	228,43
16	3,0	81	92	140	16	5	53 593 16430	228,43
16	4,0	81	92	140	16	5	53 593 16440	228,43
18	0,2	91	102	150	18	5	53 593 18402	261,23
18	1,0	91	102	150	18	5	53 593 18410	261,23
18	1,5	91	102	150	18	5	53 593 18415	261,23
18	1,6	91	102	150	18	5	53 593 18416	261,23
18	2,0	91	102	150	18	5	53 593 18420	261,23
18	3,0	91	102	150	18	5	53 593 18430	261,23
18	4,0	91	102	150	18	5	53 593 18440	261,23
20	0,2	102	113	163	20	5	53 593 20402	315,43
20	1,0	102	113	163	20	5	53 593 20410	315,43
20	1,5	102	113	163	20	5	53 593 20415	315,43
20	1,6	102	113	163	20	5	53 593 20416	315,43
20	2,0	102	113	163	20	5	53 593 20420	315,43
20	3,0	102	113	163	20	5	53 593 20430	315,43
20	4,0	102	113	163	20	5	53 593 20440	315,43

Steel	●
Stainless steel	○
Cast iron	●
Non ferrous metals	
Heat resistant alloys	○
Hardened materials	

Trochoidal milling

When programming the various CAM systems different information is required.





Features & benefits of trochoidal milling

- reduced tool wear
- higher material removal rate than HPC machining possible
- spindle and machine-friendly
- suitable for low-power machines
- suitable for thin-walled components and unstable workpiece clamping

Calculation of the average chip thickness

$$h_m \approx f_z \sqrt{\frac{a_e}{DC}} \qquad f_z \approx h_m \sqrt{\frac{DC}{a_e}}$$

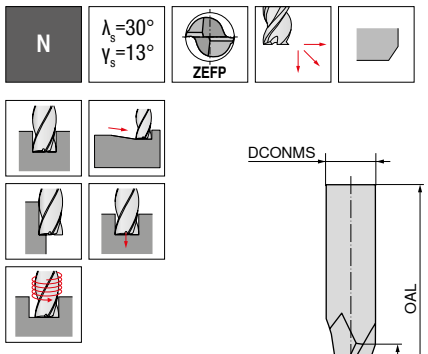
$a_{e\,max}$ = maximum lateral infeed (depending on the material to be machined)
f_z = maximum feed per tooth
h_m = average chip thickness
DC = tool diameter



Customer Service Centre
Freephone: 1800 93 22 55

Ordering via the Online Shop
http://cuttingtools.ceratizit.com

End milling cutter



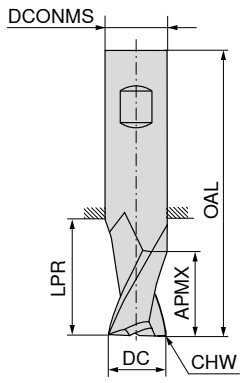
WNT \ Standard



≈DIN 6527

HA

DC e8	APMX	OAL	DCONMS h5	CHW	ZEFP	Article no.	EUR
mm	mm	mm	mm	mm			
0,25	0,5	38	3		2	50 594 925	22,84
0,30	1,0	38	3		2	50 594 930	20,99
0,35	1,0	38	3		2	50 594 935	20,99
0,40	1,0	38	3		2	50 594 940	20,99
0,50	1,5	38	3		2	50 594 950	20,99
0,60	1,5	38	3		2	50 594 960	20,99
0,70	2,0	38	3		2	50 594 970	20,99
0,80	2,0	38	3		2	50 594 980	20,99
0,90	2,5	38	3		2	50 594 990	20,99
1,00	3,0	50	3		2	50 594 010	22,07
1,10	3,0	50	3		2	50 594 011	22,07
1,20	4,0	50	3		2	50 594 012	22,07
1,40	4,0	50	3		2	50 594 014	22,07
1,50	4,0	50	3		2	50 594 015	22,07
1,60	4,0	50	3		2	50 594 016	22,07
1,80	5,0	50	3		2	50 594 018	22,07
2,00	5,0	50	3	0,07	2	50 594 020	20,31
2,50	6,0	50	3	0,07	2	50 594 025	22,07





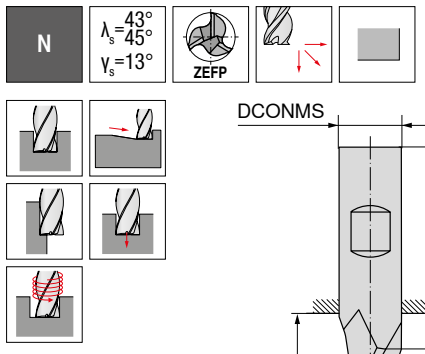
≈DIN 6527

HB

DC e8	APMX	LPR	OAL	DCONMS h5	CHW	ZEFP	Article no.	EUR
mm	mm	mm	mm	mm	mm			
2,8	8	21	57	6	0,07	2	50 594 028	18,45
3,0	8	21	57	6	0,15	2	50 594 030	18,45
3,8	11	21	57	6	0,15	2	50 594 038	18,45
4,0	11	21	57	6	0,15	2	50 594 040	18,45
4,8	13	21	57	6	0,15	2	50 594 048	18,45
5,0	13	21	57	6	0,15	2	50 594 050	18,45
5,8	13	21	57	6	0,15	2	50 594 058	18,45
6,0	13	21	57	6	0,15	2	50 594 060	18,45
6,8	16	27	63	8	0,15	2	50 594 068	21,30
7,0	16	27	63	8	0,15	2	50 594 070	21,30
7,8	19	27	63	8	0,15	2	50 594 078	21,30
8,0	19	27	63	8	0,15	2	50 594 080	21,30
8,7	19	32	72	10	0,15	2	50 594 087	32,93
9,0	19	32	72	10	0,15	2	50 594 090	32,93
9,7	22	32	72	10	0,15	2	50 594 097	32,93
10,0	22	32	72	10	0,15	2	50 594 100	32,93
10,7	26	38	83	12	0,15	2	50 594 107	51,25
11,0	26	38	83	12	0,15	2	50 594 110	51,25
11,7	26	38	83	12	0,15	2	50 594 117	51,25
12,0	26	38	83	12	0,15	2	50 594 120	48,94
13,7	26	38	83	14	0,15	2	50 594 137	62,66
14,0	26	38	83	14	0,15	2	50 594 140	62,66
15,7	32	44	92	16	0,15	2	50 594 157	82,63
16,0	32	44	92	16	0,15	2	50 594 160	73,52
17,7	32	44	92	18	0,15	2	50 594 177	136,94
18,0	32	44	92	18	0,15	2	50 594 180	97,34
19,7	38	54	104	20	0,15	2	50 594 197	180,49
20,0	38	54	104	20	0,15	2	50 594 200	123,33

Steel	●
Stainless steel	○
Cast iron	●
Non ferrous metals	○
Heat resistant alloys	○
Hardened materials	

End milling cutter



WNT \ Standard



≈DIN 6527

HB

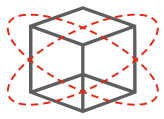


≈DIN 6527

HB

DC e8	APMX	LPR	OAL	DCONMS h5	ZEFP	Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm					
3,0	8	21	57	6	3	50 614 030	19,61		
3,5	11	21	57	6	3	50 614 035	21,63		
3,5	15	23	59	6	3			50 614 036	33,35
4,0	11	21	57	6	3	50 614 040	19,61		
4,0	19	27	63	6	3			50 614 041	33,35
4,5	13	21	57	6	3	50 614 045	21,63		
4,5	19	27	63	6	3			50 614 046	33,35
5,0	13	21	57	6	3	50 614 050	19,27		
5,0	24	32	68	6	3			50 614 051	36,20
5,5	13	21	57	6	3	50 614 055	21,63		
5,5	24	32	68	6	3			50 614 056	36,20
6,0	13	21	57	6	3	50 614 060	19,61		
6,0	24	32	68	6	3			50 614 061	35,12
6,5	16	27	63	8	3	50 614 065	25,41		
6,5	30	44	80	8	3			50 614 066	49,83
7,0	16	27	63	8	3	50 614 070	24,65		
7,0	30	44	80	8	3			50 614 071	49,83
7,5	19	27	63	8	3	50 614 075	23,24		
7,5	30	44	80	8	3			50 614 076	49,83
8,0	19	27	63	8	3	50 614 080	22,84		
8,0	38	52	88	8	3			50 614 081	45,87
8,5	19	32	72	10	3	50 614 085	35,10		
8,5	38	48	88	10	3			50 614 086	78,57
9,0	19	32	72	10	3	50 614 090	35,10		
9,0	38	48	88	10	3			50 614 091	78,57
9,5	22	32	72	10	3	50 614 095	40,95		
9,5	38	48	88	10	3			50 614 096	78,57
10,0	22	32	72	10	3	50 614 100	36,64		
10,0	45	55	95	10	3			50 614 101	76,51
11,0	26	38	83	12	3	50 614 110	58,16		
11,0	45	57	102	12	3			50 614 111	110,08
12,0	26	38	83	12	3	50 614 120	52,67		
12,0	53	65	110	12	3			50 614 121	110,08
14,0	26	38	83	14	3	50 614 140	67,60		
14,0	53	65	110	14	3			50 614 141	139,79
16,0	32	44	92	16	3	50 614 160	92,62		
16,0	63	75	123	16	3			50 614 161	192,24
18,0	32	44	92	18	3	50 614 180	112,26		
18,0	63	75	123	18	3			50 614 181	232,07
20,0	38	54	104	20	3	50 614 200	145,73		
20,0	75	91	141	20	3			50 614 201	309,87

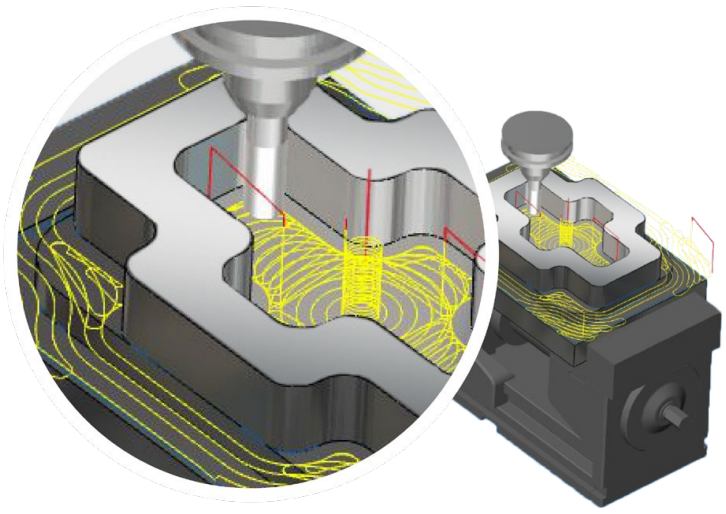
Steel	○	○
Stainless steel	●	●
Cast iron	○	○
Non ferrous metals	○	○
Heat resistant alloys	●	●
Hardened materials		



Tool data always at your fingertips

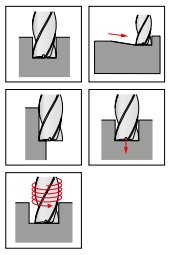
Cutting data and CAD models for day-to-day assistance

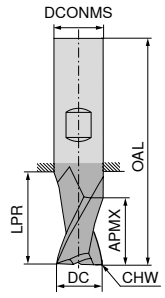
In addition to detailed cutting data we also offer 2D and 3D models to assist you with your tool management or for simulating an operation. All data for this Service is available for you in our Online Shop.



Mini milling cutter







WNT \ Standard

Ti1000



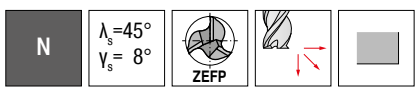
Ti1000

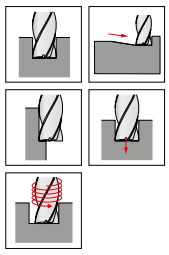


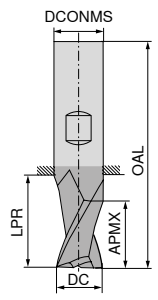
DC e8	APMX	LPR	OAL	DCONMS h5	CHW	ZEFP	Factory standard ~HA Article no.		Factory standard ~HA Article no.		Factory standard HB Article no.		Factory standard HB Article no.	
mm	mm	mm	mm	mm	mm			EUR		EUR		EUR		EUR
0,50	1,5	17	45	3	0,05	3	50 608 30500	12,64	50 609 30500	15,57				
1,00	2,0	12	45	6	0,05	3					50 608 01000	12,74	50 609 01000	16,39
1,00	2,0	17	45	3	0,05	3	50 608 31000	12,64	50 609 31000	15,57				
1,20	2,0	12	45	6	0,05	3					50 608 01200	12,74	50 609 01200	16,39
1,20	3,0	17	45	3	0,05	3	50 608 31200	12,64	50 609 31200	15,57				
1,50	3,0	12	45	6	0,05	3					50 608 01500	12,74	50 609 01500	16,39
1,50	3,0	17	45	3	0,05	3	50 608 31500	12,64	50 609 31500	15,57				
1,80	3,0	12	45	6	0,05	3					50 608 01800	12,74	50 609 01800	16,39
1,80	3,0	17	45	3	0,05	3	50 608 31800	12,64	50 609 31800	15,57				
2,00	4,0	13	45	6	0,05	3					50 608 020	14,54	50 609 02000	16,39
2,50	6,0	13	45	6	0,05	3					50 608 025	14,54	50 609 02500	16,39
2,80	6,0	13	45	6	0,05	3					50 608 02800	13,28	50 609 02800	16,39
3,00	6,0	13	45	6	0,10	3					50 608 030	14,54	50 609 03000	16,39
3,50	7,0	13	45	6	0,10	3					50 608 03500	13,88	50 609 03500	16,39
3,80	7,0	13	45	6	0,10	3					50 608 03800	13,88	50 609 03800	16,39
4,00	7,0	12	45	6	0,10	3					50 608 040	15,48	50 609 04000	16,39
4,50	8,0	11	45	6	0,10	3					50 608 04500	14,21	50 609 04500	16,39
4,80	8,0	11	45	6	0,10	3					50 608 04800	14,21	50 609 04800	16,39
5,00	8,0	11	45	6	0,10	3					50 608 050	15,80	50 609 05000	16,39
5,50	8,0	9	45	6	0,10	3					50 608 05500	14,21	50 609 05500	16,39
5,75	8,0	9	45	6	0,10	3					50 608 05700	14,21	50 609 05700	16,39
6,00	8,0	9	45	6	0,10	3					50 608 060	15,80	50 609 06000	16,39
6,70	10,0	19	55	8	0,10	3					50 608 06700	20,61	50 609 06700	16,39
7,00	12,0	19	55	8	0,10	3					50 608 070	22,51	50 609 07000	16,39
7,70	12,0	19	55	8	0,10	3					50 608 07700	20,61	50 609 07700	23,28
8,00	13,0	19	55	8	0,10	3					50 608 080	22,51	50 609 08000	23,28
8,70	14,0	17	55	10	0,10	3					50 608 08700	27,23	50 609 08700	28,30
9,00	16,0	17	55	10	0,10	3					50 608 09000	27,23	50 609 09000	28,30
9,70	16,0	17	55	10	0,10	3					50 608 09700	29,13	50 609 09700	28,30
10,00	16,0	17	55	10	0,10	3					50 608 100	31,86	50 609 10000	28,30

Steel		●		●
Stainless steel		●		●
Cast iron		●		●
Non ferrous metals	●	○	●	○
Heat resistant alloys	○	●	○	●
Hardened materials				

Mini milling cutter







WNT \ Standard

Ti1000



Ti1000



DC e8	APMX	LPR	OAL	DCONMS h5	ZEFP	Factory standard ~HA Article no.		Factory standard ~HA Article no.		Factory standard HB Article no.		Factory standard HB Article no.	
mm	mm	mm	mm	mm			EUR		EUR		EUR		EUR
0,50	1,5	17	45	3	3	50 664 30500	13,78	50 691 30500	15,39				
1,00	2,0	12	45	6	3					50 664 01000	12,42	50 691 01000	13,32
1,00	2,0	17	45	3	3	50 664 31000	13,78	50 691 31000	15,39				
1,20	2,0	12	45	6	3					50 664 01200	12,42	50 691 01200	13,32
1,20	3,0	17	45	3	3	50 664 31200	12,42	50 691 31200	15,39				
1,50	3,0	12	45	6	3					50 664 01500	12,42	50 691 01500	13,32
1,50	3,0	17	45	3	3	50 664 31500	13,78	50 691 31500	15,39				
1,80	3,0	12	45	6	3					50 664 01800	12,42	50 691 01800	13,32
1,80	3,0	17	45	3	3	50 664 31800	12,42	50 691 31800	15,39				
2,00	4,0	13	45	6	3					50 664 02000	12,75	50 691 02000	15,72
2,50	6,0	13	45	6	3					50 664 02500	12,75	50 691 02500	15,72
2,80	6,0	13	45	6	3					50 664 02800	12,75	50 691 02800	15,72
3,00	6,0	13	45	6	3					50 664 03000	12,75	50 691 03000	15,72
3,50	7,0	13	45	6	3					50 664 03500	13,32	50 691 03500	15,72
3,80	7,0	13	45	6	3					50 664 03800	13,32	50 691 03800	15,72
4,00	7,0	12	45	6	3					50 664 04000	13,32	50 691 04000	15,72
4,50	8,0	11	45	6	3					50 664 04500	13,63	50 691 04500	15,72
4,80	8,0	11	45	6	3					50 664 04800	13,63	50 691 04800	15,72
5,00	8,0	11	45	6	3					50 664 05000	13,63	50 691 05000	15,72
5,50	8,0	9	45	6	3					50 664 05500	13,63	50 691 05500	15,72
5,75	8,0	9	45	6	3					50 664 05700	13,63	50 691 05700	15,72
6,00	8,0	9	45	6	3					50 664 06000	13,63	50 691 06000	15,72
6,70	10,0	19	55	8	3					50 664 06700	19,78	50 691 06700	15,72
7,00	12,0	19	55	8	3					50 664 07000	19,78	50 691 07000	15,72
7,70	12,0	19	55	8	3					50 664 07700	19,78	50 691 07700	22,34
8,00	13,0	19	55	8	3					50 664 08000	19,78	50 691 08000	22,34
8,70	14,0	17	55	10	3					50 664 08700	27,96	50 691 08700	27,16
9,00	16,0	17	55	10	3					50 664 09000	27,96	50 691 09000	27,16
9,70	16,0	17	55	10	3					50 664 09700	27,96	50 691 09700	27,16
10,00	16,0	17	55	10	3					50 664 10000	27,96	50 691 10000	27,16

Steel		●		●
Stainless steel		●		●
Cast iron		●		●
Non ferrous metals	●	○	●	○
Heat resistant alloys	○	●	○	●
Hardened materials				

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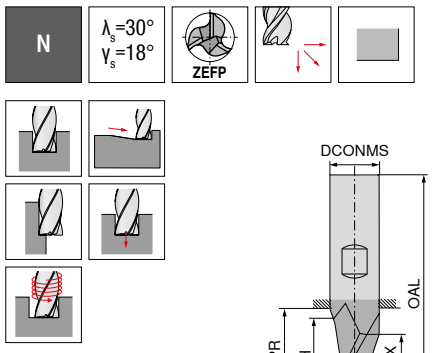


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Mini milling cutter

▲ Shank similar to DIN 6535



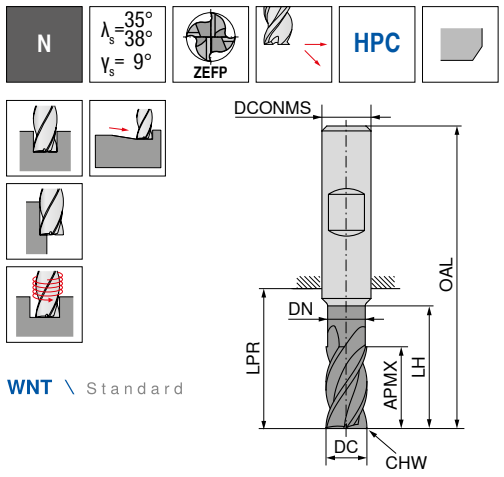




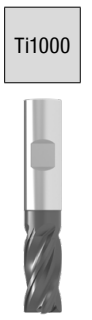
WNT \ Standard

DC e8	APMX	LH	LPR	OAL	DCONMS h5	ZEFP	Factory standard HB Article no.	EUR	Factory standard HB Article no.	EUR
mm	mm	mm	mm	mm	mm					
2,00	4	4,0	10	35	6	3	50 598 020	12,85	50 599 020	17,88
2,50	4	4,0	10	35	6	3	50 598 025	13,48	50 599 025	18,45
3,00	5	5,0	10	36	6	3	50 598 030	12,85	50 599 030	17,88
3,50	5	5,0	10	36	6	3	50 598 035	13,48	50 599 035	18,45
4,00	7	7,0	12	38	6	3	50 598 040	12,83	50 599 040	16,91
4,50	7	7,0	12	38	6	3	50 598 045	13,48	50 599 045	18,45
5,00	8	8,0	13	39	6	3	50 598 050	12,83	50 599 050	17,01
5,50	8	8,0	13	39	6	3	50 598 055	13,48	50 599 055	18,62
5,75	8	8,0	13	39	6	3	50 598 057	13,48	50 599 057	18,62
6,00	8	8,5	13	39	6	3	50 598 060	12,83	50 599 060	17,01
6,75	11	11,5	16	43	8	3	50 598 067	18,01	50 599 067	22,84
7,00	11	11,5	16	43	8	3	50 598 070	17,24	50 599 070	21,63
7,75	11	11,5	16	43	8	3	50 598 077	18,34	50 599 077	23,38
8,00	11	11,5	16	43	8	3	50 598 080	19,88	50 599 080	23,06
8,70	13	13,5	18	50	10	3	50 598 087	28,23	50 599 087	34,36
9,00	13	13,5	18	50	10	3	50 598 090	25,31	50 599 090	31,12
9,70	13	13,5	18	50	10	3	50 598 097	28,23	50 599 097	34,36
10,00	13	13,5	18	50	10	3	50 598 100	27,56	50 599 100	33,04
12,00	15	15,5	24	55	12	3	50 598 120	36,55	50 599 120	42,80
14,00	15	15,5	26	58	14	3	50 598 140	62,55	50 599 140	67,60
16,00	18	18,5	28	62	16	3	50 598 160	69,91	50 599 160	77,14
18,00	20	20,5	35	70	18	3	50 598 180	88,13	50 599 180	96,56
20,00	22	22,5	40	75	20	3	50 598 200	112,48	50 599 200	119,49
Steel							●		●	
Stainless steel							○		○	
Cast iron							●		●	
Non ferrous metals							○		○	
Heat resistant alloys							○		○	
Hardened materials									○	

End milling cutter



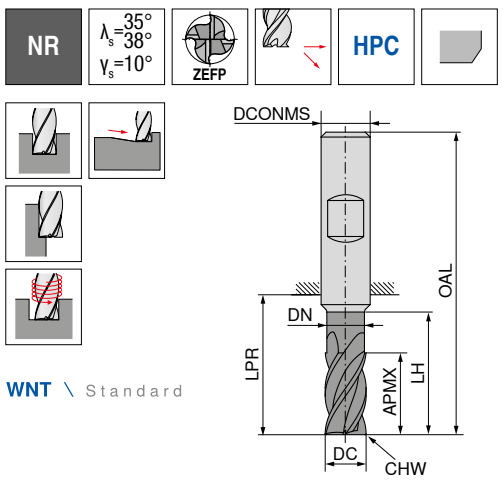


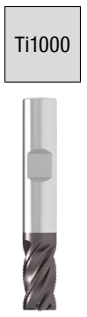


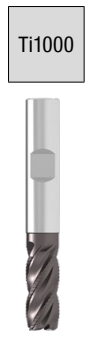
WNT \ Standard

DC f8	OAL	APMX	DN	LH	LPR	DCONMS h6	CHW	ZEFP	≈DIN 6527 HB Article no.	EUR	≈DIN 6527 HB Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm					
3,0	50	5			14	6	0,1	4	54 059 03100	12,91		
3,0	57	8	2,8	13,0	21	6	0,1	4			54 059 03200	13,52
4,0	57	11	3,8	17,0	21	6	0,1	4			54 059 04200	13,52
4,0	54	8			18	6	0,1	4	54 059 04100	12,91		
5,0	57	13	4,8	19,0	21	6	0,1	4			54 059 05200	13,52
5,0	54	9			18	6	0,1	4	54 059 05100	12,91		
6,0	57	13	5,8	19,0	21	6	0,1	4			54 059 06200	16,89
6,0	54	10			18	6	0,1	4	54 059 06100	15,83		
8,0	63	21	7,7	25,0	27	8	0,2	4			54 059 08200	17,71
8,0	58	12			22	8	0,2	4	54 059 08100	17,49		
10,0	72	22	9,7	30,0	32	10	0,2	4			54 059 10200	24,55
10,0	66	14			26	10	0,2	4	54 059 10100	23,23		
12,0	83	26	11,6	36,0	38	12	0,3	4			54 059 12200	38,42
12,0	73	16			28	12	0,3	4	54 059 12100	32,67		
16,0	92	36	15,5	42,0	44	16	0,3	4			54 059 16200	57,34
16,0	82	22			34	16	0,3	4	54 059 16100	57,11		
20,0	104	41	19,5	52,0	54	20	0,3	4			54 059 20200	89,03
20,0	92	26			42	20	0,3	4	54 059 20100	85,87		
Steel									●		●	
Stainless steel									●		●	
Cast iron									○		○	
Non ferrous metals									○		○	
Heat resistant alloys									●		●	
Hardened materials												

Rough milling cutter









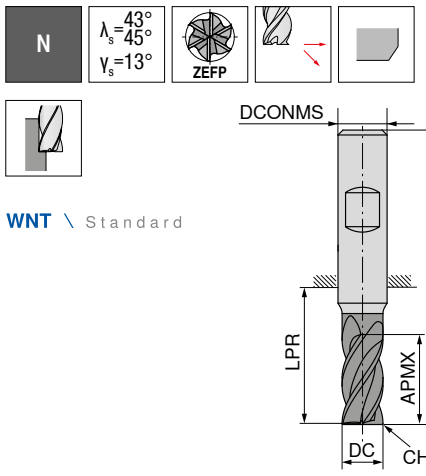
WNT \ Standard

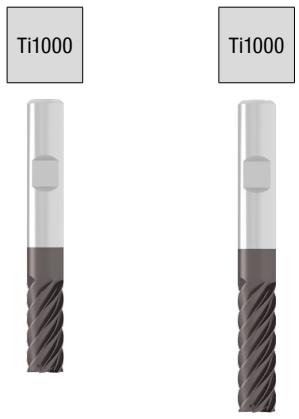
DC h10	APMX	DN	LH	LPR	OAL	DCONMS h6	CHW	ZEFP	DIN 6527 HB Article no.	EUR	Factory standard HB Article no.	EUR	Factory standard HB Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm							
3	5			14	50	6	0,15	4	54 000 03100	22,31				
3	8	2,8	12	21	57	6	0,15	4			54 015 03200	22,35		
3	8	2,8	15	34	70	6	0,15	4					54 015 03400	32,58
4	8			18	54	6	0,15	4	54 000 04100	22,29				
4	11	3,8	15	21	57	6	0,15	4			54 015 04200	22,35		
4	11	3,8	20	34	70	6	0,15	4					54 015 04400	32,58
5	9			18	54	6	0,15	4	54 000 05100	22,29				
5	13	4,8	17	21	57	6	0,15	4			54 015 05200	22,35		
5	13	4,8	25	34	70	6	0,15	4					54 015 05400	37,27
6	10			18	54	6	0,15	4	54 000 06100	22,29				
6	13	5,8	21	21	57	6	0,15	4			54 015 06200	26,82		
6	13	5,8	30	34	70	6	0,15	4					54 015 06400	42,20
8	12			22	58	8	0,25	4	54 000 08100	30,78				
8	19	7,7	27	27	63	8	0,25	4			54 015 08200	33,46		
8	19	7,7	40	44	80	8	0,25	4					54 015 08400	51,59
10	14			26	66	10	0,25	4	54 000 10100	38,28				
10	22	9,7	32	32	72	10	0,25	4			54 015 10200	42,66		
10	22	9,7	50	54	94	10	0,25	4					54 015 10400	70,47
12	16			28	73	12	0,35	4	54 000 12100	56,65				
12	26	11,6	38	38	83	12	0,35	4			54 015 12200	69,21		
12	26	11,6	64	65	109	12	0,35	4					54 015 12400	84,22
16	22			34	82	16	0,35	4	54 000 16100	97,17				
16	32	15,5	44	44	92	16	0,35	4			54 015 16200	104,19		
16	32	15,5	80	84	132	16	0,35	4					54 015 16400	158,80
20	26			42	92	20	0,35	4	54 000 20100	142,01				
20	38	19,5	54	54	104	20	0,35	4			54 015 20200	154,46		
20	38	19,5	100	104	154	20	0,35	4					54 015 20400	207,46
Steel									●		●		●	
Stainless steel									●		●		●	
Cast iron									○		○		○	
Non ferrous metals									○		○		○	
Heat resistant alloys									●		●		●	
Hardened materials														

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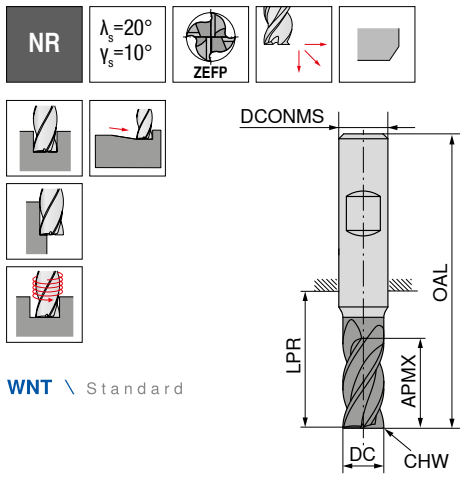
Finish milling cutter

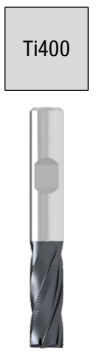




DC f8	APMX	LPR	OAL	DCONMS h5	CHW	ZEFP	≈DIN 6527 HB		Factory standard HB	
mm	mm	mm	mm	mm	mm		Article no.	EUR	Article no.	EUR
4	11	21	57	6	0,15	6	50 633 040	31,05	50 633 041	42,96
4	16	26	62	6	0,15	6				
5	13	21	57	6	0,15	6	50 633 050	31,05	50 633 051	42,96
5	18	26	62	6	0,15	6				
6	13	21	57	6	0,15	6	50 633 060	31,05	50 633 061	42,96
6	18	26	62	6	0,15	6				
7	16	27	63	8	0,15	6	50 633 070	37,15	50 633 071	57,40
7	21	32	68	8	0,15	6				
8	19	27	63	8	0,15	6	50 633 080	36,20	50 633 081	50,59
8	24	32	68	8	0,15	6				
9	19	32	72	10	0,15	6	50 633 090	59,69	50 633 091	91,07
9	27	40	80	10	0,15	6				
10	22	32	72	10	0,15	6	50 633 100	58,16	50 633 101	88,67
10	30	40	80	10	0,15	6				
12	26	38	83	12	0,15	6	50 633 120	75,57	50 633 121	121,57
12	36	48	93	12	0,15	6				
14	26	38	83	14	0,15	6	50 633 140	104,57	50 633 141	163,28
14	42	54	99	14	0,15	6				
16	32	44	92	16	0,15	6	50 633 160	138,15	50 633 161	210,23
16	48	60	108	16	0,15	6			50 633 162	263,99
16	65	77	125	16	0,15	6			50 633 163	295,13
16	75	102	150	16	0,15	6			50 633 164	341,35
16	95	102	150	16	0,15	6				
18	32	44	92	18	0,15	8	50 633 180	160,20	50 633 181	257,42
18	54	66	114	18	0,15	8				
20	38	54	104	20	0,15	8	50 633 200	196,63	50 633 201	327,75
20	60	76	126	20	0,15	8			50 633 202	348,61
20	75	85	135	20	0,15	8			50 633 203	360,67
20	95	100	150	20	0,15	8			50 633 250	430,89
25	75	94	150	25	0,15	8			50 633 251	628,98
25	95	104	160	25	0,15	8				
32	75	90	150	32	0,15	8	50 633 320	861,44	50 633 321	840,38
32	95	100	160	32	0,15	8				
Steel							○		○	
Stainless steel							●		●	
Cast iron							○		○	
Non ferrous metals							○		○	
Heat resistant alloys							●		●	
Hardened materials							●		●	

Rough milling cutter

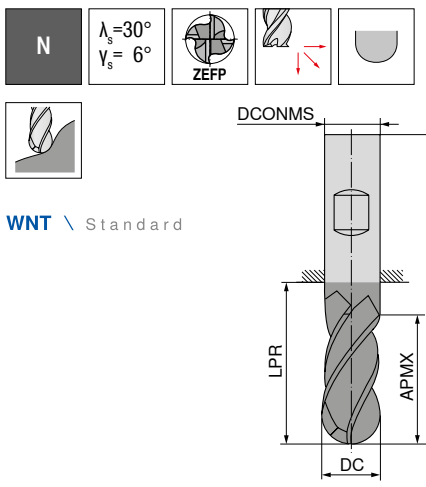


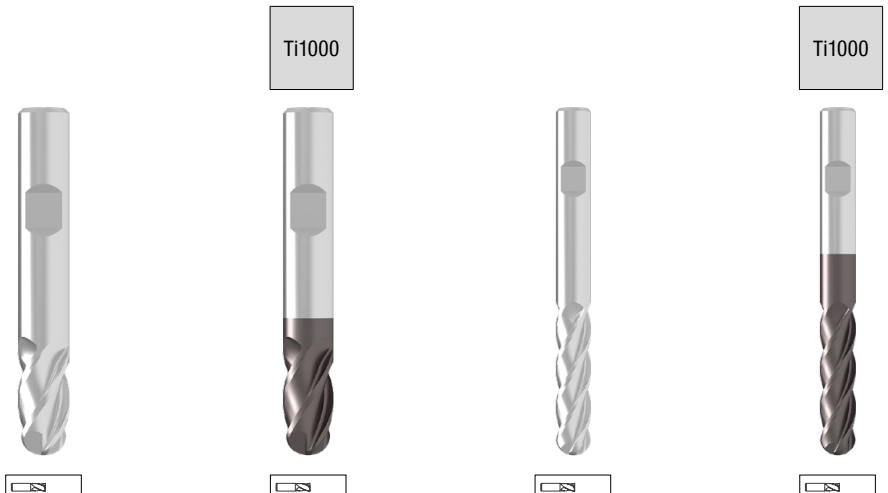


DC d11	APMX	LPR	OAL	DCONMS h5	CHW	ZEFP	DIN 6527 HB	
mm	mm	mm	mm	mm	mm		Article no.	EUR
4	8	21	57	6	0,6	4	50 624 040	60,35
5	13	21	57	6	0,6	4	50 624 050	60,35
6	13	21	57	6	0,6	4	50 624 060	56,30
7	19	27	63	8	0,6	4	50 624 070	74,95
8	19	27	63	8	0,6	4	50 624 080	66,72
9	22	32	72	10	0,6	4	50 624 090	82,07
10	22	32	72	10	0,6	4	50 624 100	77,46
11	26	38	83	12	0,6	4	50 624 110	97,34
12	26	38	83	12	0,6	4	50 624 120	91,85
13	26	38	83	14	0,6	4	50 624 130	136,05
14	26	38	83	14	0,6	4	50 624 140	128,27
16	32	44	92	16	0,6	4	50 624 160	146,05
18	32	44	92	18	0,6	4	50 624 180	194,11
20	38	54	104	20	0,6	4	50 624 200	217,69
25	45	65	121	25	0,6	5	50 624 250	282,56
Steel							●	
Stainless steel							○	
Cast iron							●	
Non ferrous metals							○	
Heat resistant alloys							○	
Hardened materials								

Ball Nosed Cutter

▲ Radius accuracy: ± 0,01 mm





DC f8	APMX	LPR	OAL	DCONMS h5	ZEFP	DIN 6527 HB		DIN 6527 HB		Factory standard HB		DIN 6527 HB	
mm	mm	mm	mm	mm		Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
3	8	21	57	6	4	50 642 030	31,94	50 643 030	36,64				
4	11	21	57	6	4	50 642 040	31,94	50 643 040	36,64				
6	13	21	57	6	4	50 642 060	31,94	50 643 060	36,64				
6	40	64	100	6	4					50 642 061	39,40	50 643 061	47,29
8	19	27	63	8	4	50 642 080	36,64	50 643 080	40,05				
8	40	64	100	8	4					50 642 081	45,32	50 643 081	52,45
10	22	32	72	10	4	50 642 100	62,55	50 643 100	64,06				
10	40	60	100	10	4					50 642 101	80,21	50 643 101	87,56
12	26	38	83	12	4	50 642 120	83,84	50 643 120	85,15				
12	45	55	100	12	4					50 642 121	108,85	50 643 121	116,22
12	75	105	150	12	4					50 642 122	168,87	50 643 122	175,99
14	26	38	83	14	4	50 642 140	106,01	50 643 140	103,87				
14	45	55	100	14	4					50 642 141	150,89	50 643 141	158,02
16	32	44	92	16	4	50 642 160	149,35	50 643 160	146,60				
16	75	102	150	16	4					50 642 161	206,73	50 643 161	213,96
20	38	54	104	20	4	50 642 200	206,94	50 643 200	188,74				
20	75	100	150	20	4					50 642 201	327,99	50 643 201	335,20
Steel						●		●		●		●	
Stainless steel						○		○		○		○	
Cast iron						●		●		●		●	
Non ferrous metals						○		○		○		○	
Heat resistant alloys						○		○		○		○	
Hardened materials								○				○	

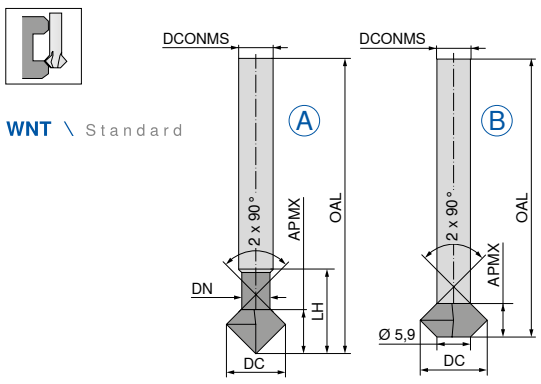
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NC front and rear chamfer milling cutter

N | λ_s=0° γ_s=0° | ZEFP

Ti1000





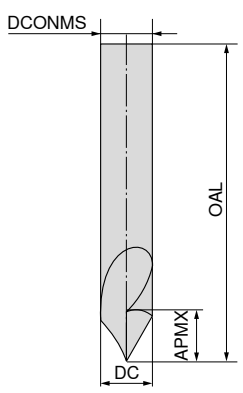


WNT \ Standard

DC	APMX	DN	LH	OAL	DCONMS h5	ZEFP	Fig.	Factory standard HA		Factory standard HA	
								Article no.	EUR	Article no.	EUR
mm	mm	mm	mm	mm	mm						
3	2,0	2,2	12,0	75	4	4	A	52 158 030	59,72	52 159 030	67,86
4	2,7	2,9	17,7	75	4	4	A	52 158 040	59,72	52 159 040	67,49
5	3,0	3,9	18,0	75	5	4	A	52 158 050	61,24	52 159 050	70,10
6	4,0	3,9	19,0	100	6	4	A	52 158 060	63,58	52 159 060	70,17
8	2,0			100	6	4	B	52 158 080	82,63	52 159 080	92,93
10	4,0			100	6	4	B	52 158 100	103,24	52 159 100	114,73
12	6,0			100	6	4	B	52 158 120	123,81	52 159 120	136,74
Steel								●		●	
Stainless steel								○		○	
Cast iron								●		●	
Non ferrous metals								○		○	
Heat resistant alloys								○		○	
Hardened materials										○	

Engraving cutter 60°

W | λ_s=15° γ_s=20° | ZEFP



WNT \ Standard

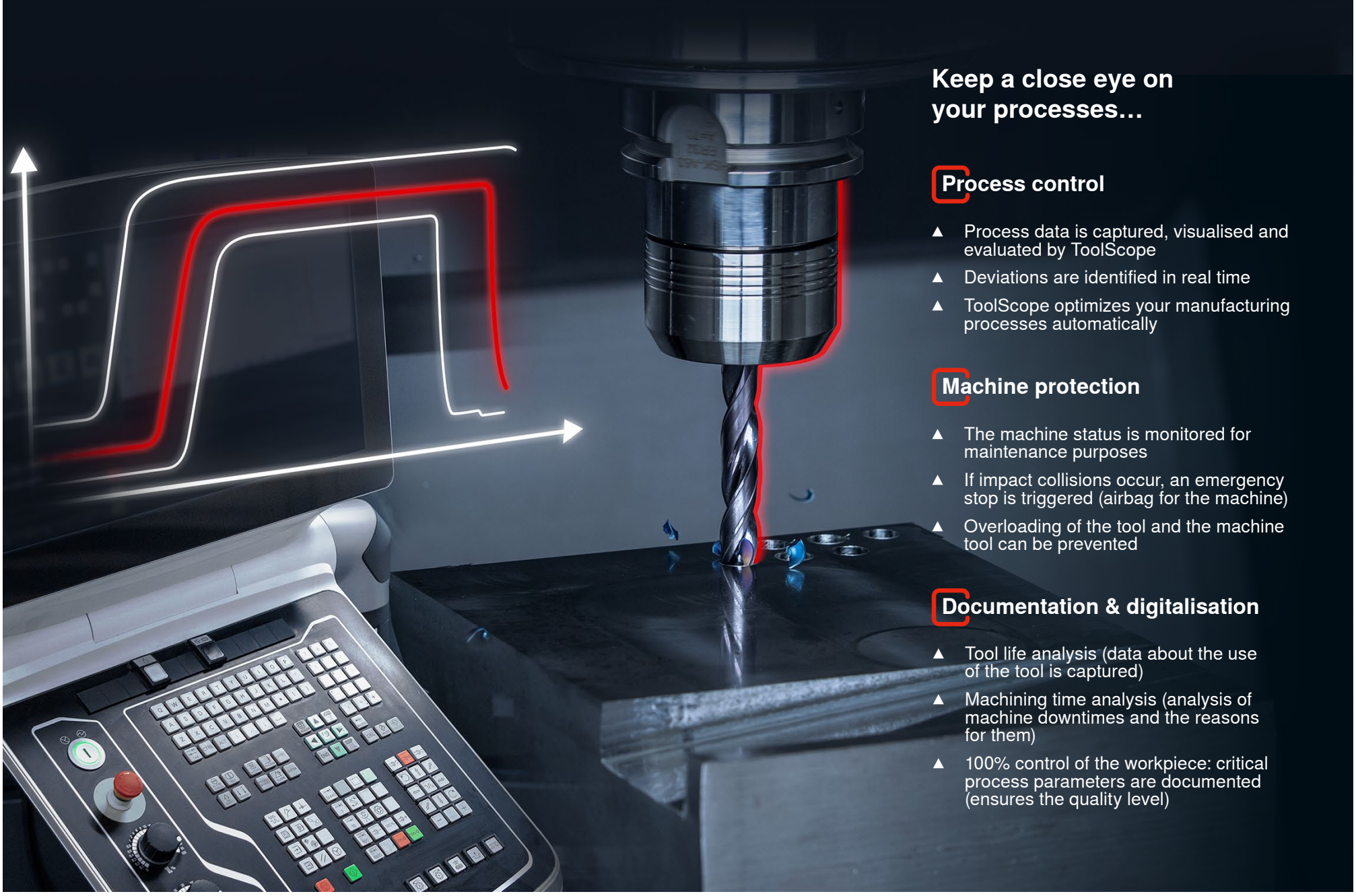


DC h6	APMX	OAL	DCONMS h6	ZEFP	Factory standard HA	
					Article no.	EUR
mm	mm	mm	mm			
3	15	50	3	1	52 195 030	36,37
4	18	50	4	1	52 195 040	38,18
6	20	54	6	1	52 195 060	41,57
Steel					○	
Stainless steel					○	
Cast iron					○	
Non ferrous metals					●	
Heat resistant alloys					○	
Hardened materials						

ToolScope

FULL PROCESS CONTROL WITH TOOLSCOPE

Digital monitoring for your production



Keep a close eye on your processes…

Process control

- Process data is captured, visualised and evaluated by ToolScope
- Deviations are identified in real time
- ToolScope optimizes your manufacturing processes automatically

Machine protection

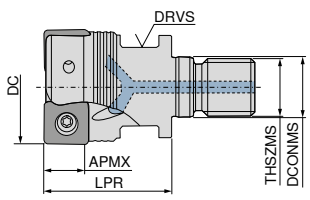
- The machine status is monitored for maintenance purposes
- If impact collisions occur, an emergency stop is triggered (airbag for the machine)
- Overloading of the tool and the machine tool can be prevented

Documentation & digitalisation

- Tool life analysis (data about the use of the tool is captured)
- Machining time analysis (analysis of machine downtimes and the reasons for them)
- 100% control of the workpiece: critical process parameters are documented (ensures the quality level)

MaxiMill – Screw in cutter G 491

CERATIZIT \ Performance

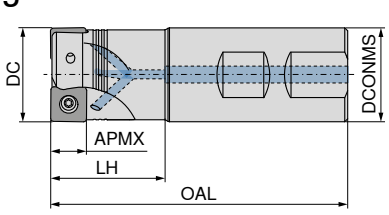




ISO designation	DC	LPR	THSZMS	DCONMS	APMX	DRVS	Insert	ZNF	Article no.	EUR
	mm	mm		mm	mm	mm				
G491.25.R.03-09	25	35	M12	12,5	6	17	SNHU 09T3	3	50 773 125	105,60
G491.32.R.03-09	32	35	M16	17,0	6	24	SNHU 09T3	3	50 773 132	106,70
G491.32.R.04-09	32	35	M16	17,0	6	24	SNHU 09T3	4	50 773 232	119,90
G491.32.R.02-12	32	35	M16	17,0	8	24	SNHU 1204	2	50 773 032	101,20

MaxiMill – End milling cutter C 491

CERATIZIT \ Performance



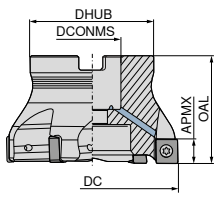


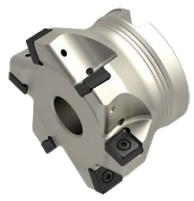


ISO designation	DC	OAL	LH	DCONMS h6	APMX	Insert	ZNF	Article no.	EUR	Article no.	EUR
	mm	mm	mm	mm	mm						
C491.25.R.03-09-A-50-225	25	225	50	25	6	SNHU 09T3	3	50 774 325	106,70		
C491.25.R.03-09-B-32	25	89	32	25	6	SNHU 09T3	3			50 774 425	106,70
C491.32.R.03-09-A-63-250	32	250	63	32	6	SNHU 09T3	3	50 774 532	110,00		
C491.32.R.04-09-B-40	32	101	40	32	6	SNHU 09T3	4			50 774 432	119,90
C491.32.R.04-09-A-63-250	32	250	63	32	6	SNHU 09T3	4	50 774 332	119,90		
C491.32.R.03-09-B-40	32	101	40	32	6	SNHU 09T3	3			50 774 632	110,00
C491.32.R.02-12-A-63-250	32	250	63	32	8	SNHU 1204	2	50 774 232	101,20		
C491.32.R.02-12-B-40	32	102	40	32	8	SNHU 1204	2			50 774 032	101,20

MaxiMill – Shell mill A 491

CERATIZIT \ Performance







ISO designation	DC	OAL	DHUB	DCONMS H6	APMX	Insert	ZNF	Article no.	EUR	Article no.	EUR
	mm	mm	mm	mm	mm						
A491.40.R.03-09	40	40	38	16	6	SNHU 09T3	3	50 775 240	116,60		
A491.40.R.05-09	40	40	38	16	6	SNHU 09T3	5			50 776 240	135,30
A491.50.R.04-09	50	40	43	22	6	SNHU 09T3	4	50 775 250	128,70		
A491.50.R.06-09	50	40	43	22	6	SNHU 09T3	6			50 776 250	147,40
A491.63.R.05-09	63	40	48	22	6	SNHU 09T3	5	50 775 263	154,00		
A491.63.R.08-09	63	40	48	22	6	SNHU 09T3	8			50 776 263	182,60
A491.80.R.06-09	80	50	58	27	6	SNHU 09T3	6	50 775 280	163,90		
A491.80.R.10-09	80	50	58	27	6	SNHU 09T3	10			50 776 280	201,30
A491.100.R.07-09	100	50	78	32	6	SNHU 09T3	7	50 775 300	207,90		
A491.100.R.12-09	100	50	78	32	6	SNHU 09T3	12			50 776 300	255,20
A491.125.R.08-09	125	63	88	40	6	SNHU 09T3	8	50 775 325	251,90		
A491.125.R.15-09	125	63	88	40	6	SNHU 09T3	15			50 776 325	308,00
A491.40.R.03-12	40	40	38	16	8	SNHU 1204	3	50 775 040	116,60		
A491.40.R.04-12	40	40	38	16	8	SNHU 1204	4			50 776 040	125,40
A491.50.R.04-12	50	40	43	22	8	SNHU 1204	4	50 775 050	128,70		
A491.50.R.05-12	50	40	43	22	8	SNHU 1204	5			50 776 050	138,60
A491.63.R.05-12	63	40	48	22	8	SNHU 1204	5	50 775 063	154,00		
A491.63.R.06-12	63	40	48	22	8	SNHU 1204	6			50 776 063	163,90
A491.80.R.06-12	80	50	58	27	8	SNHU 1204	6	50 775 080	163,90		
A491.80.R.08-12	80	50	58	27	8	SNHU 1204	8			50 776 080	189,20
A491.100.R.07-12	100	50	78	32	8	SNHU 1204	7	50 775 100	207,90		
A491.100.R.10-12	100	50	78	32	8	SNHU 1204	10			50 776 100	236,50
A491.125.R.08-12	125	63	88	40	8	SNHU 1204	8	50 775 125	251,90		
A491.125.R.12-12	125	63	88	40	8	SNHU 1204	12			50 776 125	289,30
A491.160.R.09-12	160	63	98	40	8	SNHU 1204	9	50 775 160 1)	292,60		
A491.160.R.14-12	160	63	98	40	8	SNHU 1204	14			50 776 160 1)	339,90

1) With threaded holes M12 on the front face, pitch circle diameter = 66.7 mm / Without Through Coolant

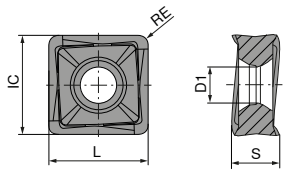
Spare parts	TORX® blade		Clamping key - T		Key D		Power Screw		Clamping screw	
	Article no.		Article no.		Article no.		Article no.		Article no.	
	EUR		EUR		EUR		EUR		EUR	
SNHU 09T3..	4,05	80 950 053			7,10	80 950 119			2,63	70 950 710
SNHU 09T3.. (Ø40)	4,05	80 950 053	2,89	80 397 040	7,10	80 950 119	10,62	70 950 151	2,63	70 950 710
SNHU 1204..					9,54	80 950 128			2,66	70 950 859
SNHU 1204.. (Ø40)			2,89	80 397 040	9,54	80 950 128	10,62	70 950 151	2,66	70 950 859

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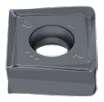
SNHU

Designation	IC	D1	L	S
	mm	mm	mm	mm
SNHU 09T3..	9,15	3,85	9,15	3,70
SNHU 1204..	12,20	4,40	12,20	5,00



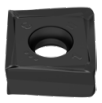
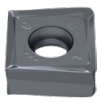
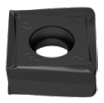
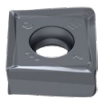
SNHU

CERATIZIT \ Performance

ISO	RE	-F50 CTPM240		-F10 CTWN215	
		-F50 DPX2240		-F10 CWK4615	
		DRAGONSKIN			
					
		SNHU		SNHU	
	mm	Article no.	EUR	Article no.	EUR
120408FR	0,8			51 101 358	20,11
120408SR	0,8	51 102 408	20,11		
120412FR	1,2			51 101 362	20,11
120412SR	1,2	51 102 412	20,11		
120416FR	1,6			51 101 366	20,11
120416SR	1,6	51 102 416	20,11		
120420FR	2,0			51 101 370	20,11
120420SR	2,0	51 102 420	20,11		
Steel		○			
Stainless steel		●			
Cast iron				○	
Non ferrous metals				●	
Heat resistant alloys					

SNHU

CERATIZIT \ Performance

ISO	RE	-M50 CTCP230		-M50 CTPP235		-M50 CTPM240		-R50 CTCK215		-R50 CTPK220	
		-M50 DCX1230		-M50 DPX1235		-M50 DPX2240		-R50 DCX3215		-R50 DPX3220	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
											
		SNHU		SNHU		SNHU		SNHU		SNHU	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
120408SR	0,8	51 100 008	20,11	51 100 108	20,11	51 100 408	20,11	51 103 508	20,11	51 103 608	20,11
120412SR	1,2			51 100 112	20,11			51 103 512	20,11		
120416SR	1,6			51 100 116	20,11			51 103 516	20,11		
120420SR	2,0			51 100 120	20,11			51 103 520	20,11		
Steel		●		●		○		○		○	
Stainless steel		○		○		●					
Cast iron								●		●	
Non ferrous metals											
Heat resistant alloys											

SNHU

CERATIZIT \ Performance

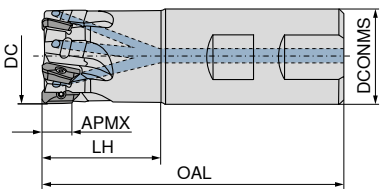
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		-M50 DCX1230		-M50 DPX1235		-F50 DPX2240		-M50 DPX2240		-R50 DCX3215		-F10 CWK4615	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN			
													
		SNHU		SNHU		SNHU		SNHU		SNHU		SNHU	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
09T308FR	0,8											51 118 358	16,46
09T308SR	0,8	51 120 008	16,46	51 120 108	16,46	51 119 408	16,46	51 120 408	16,46	51 121 508	16,46		
Steel		●		●		○		○		○			
Stainless steel		○		○		●		●					
Cast iron										●		○	
Non ferrous metals												●	
Heat resistant alloys													

MaxiMill – End milling cutter C 211-11

▲ Insert radius >1,6 mm: Modify cutter body



CERATIZIT \ Performance







A 

B 

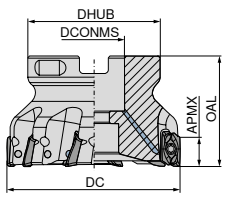
ISO designation	DC	OAL	LH	DCONMS $_{h6}$	APMX	RPMX	Insert	ZNF	Article no.	EUR	Article no.	EUR
	mm	mm	mm	mm	mm	1/min.						
C211.12.R.01-11-B-20	12	75	20	16	10	55000	XD.T 11T3	1			50 737 012	61,60
C211.16.R.02-11-A-25	16	75	25	16	10	42000	XD.T 11T3	2	50 737 116	69,30		
C211.16.R.02-11-B-25	16	75	25	16	10	42000	XD.T 11T3	2			50 737 016	69,30
C211.16.R.02-11-A15-32-165	16	165	32	15	10	14800	XD.T 11T3	2	50 737 316	69,30		
C211.16.R.02-11-A-32-165	16	165	32	16	10	14800	XD.T 11T3	2	50 737 216	69,30		
C211.20.R.03-11-A-25	20	77	25	20	10	36900	XD.T 11T3	3	50 737 120	78,10		
C211.20.R.03-11-B-25	20	77	25	20	10	36900	XD.T 11T3	3			50 737 020	78,10
C211.20.R.03-11-A-32-165	20	165	32	20	10	15800	XD.T 11T3	3	50 737 320	78,10		
C211.20.R.02-11-A19-40-200	20	200	40	19	10	10500	XD.T 11T3	2	50 737 620	72,60		
C211.20.R.02-11-A-40-200	20	200	40	20	10	10500	XD.T 11T3	2	50 737 420	72,60		
C211.25.R.03-11-A-32	25	90	32	25	10	33200	XD.T 11T3	3	50 737 625	82,50		
C211.25.R.03-11-B-32	25	90	32	25	10	33200	XD.T 11T3	3			50 737 725	82,50
C211.25.R.04-11-A-32	25	90	32	25	10	33200	XD.T 11T3	4	50 737 125	88,00		
C211.25.R.04-11-B-32	25	90	32	25	10	33200	XD.T 11T3	4			50 737 025	88,00
C211.25.R.04-11-A-40-165	25	165	40	25	10	19900	XD.T 11T3	4	50 737 325	88,00		
C211.25.R.03-11-A-50-225	25	225	50	25	10	9400	XD.T 11T3	3	50 737 425	82,50		
C211.25.R.03-11-A24-50-225	25	225	50	24	10	9400	XD.T 11T3	3	50 737 825	82,50		
C211.32.R.05-11-A-40	32	102	40	32	10	30200	XD.T 11T3	5	50 737 132	96,80		
C211.32.R.05-11-B-40	32	102	40	32	10	30200	XD.T 11T3	5			50 737 032	96,80
C211.32.R.05-11-A-50-165	32	165	50	32	10	20900	XD.T 11T3	5	50 737 332	96,80		
C211.32.R.04-11-A-64-250	32	250	64	32	10	8500	XD.T 11T3	4	50 737 432	91,30		

MaxiMill – Shell mill A 211-11

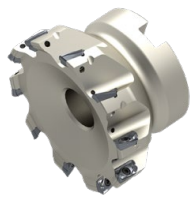
▲ Insert radius >1,6 mm: Modify cutter body



CERATIZIT \ Performance







ISO designation	DC	OAL	DCONMS $_{H6}$	DHUB	APMX	RPMX	Insert	ZNF	Article no.	EUR	Article no.	EUR
	mm	mm	mm	mm	mm	1/min.						
A211.40.R.04-11	40	40	16	38	10	27700	XD.T 11T3	4	50 738 040	95,70		
A211.40.R.06-11	40	40	16	38	10	27700	XD.T 11T3	6			50 739 040	106,70
A211.50.R.05-11	50	40	22	43	10	25400	XD.T 11T3	5	50 738 050	112,20		
A211.50.R.08-11	50	40	22	43	10	25400	XD.T 11T3	8			50 739 050	128,70
A211.63.R.06-11	63	40	22	48	10	23300	XD.T 11T3	6	50 738 063	128,70		
A211.63.R.10-11	63	40	22	48	10	23300	XD.T 11T3	10			50 739 063	151,80
A211.80.R.07-11	80	50	27	58	10	21300	XD.T 11T3	7	50 738 080	146,30		
A211.80.R.10-11	80	50	27	58	10	21300	XD.T 11T3	10			50 739 180	162,80

TORX® blade



Clamping key - T

Key D



Power Screw



Clamping screw



Torque screwdriver

Spare parts DC	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
12	80 950 043	4,05			80 950 125	8,16			70 950 116	2,19	80 950 191	98,97
16 - 32	80 950 043	4,05			80 950 125	8,16			70 950 128	3,48	80 950 191	98,97
40	80 950 043	4,05	80 397 040	2,89	80 950 125	8,16	70 950 151	10,62	70 950 131	3,48	80 950 191	98,97
40	80 950 043	4,05			80 950 125	8,16	70 950 151	10,62	70 950 131	3,48	80 950 191	98,97
50	80 950 043	4,05	80 397 050	3,69	80 950 125	8,16	70 950 154	14,56	70 950 131	3,48	80 950 191	98,97
63 - 80	80 950 043	4,05			80 950 125	8,16			70 950 131	3,48	80 950 191	98,97

Direct availability to a global innovator.



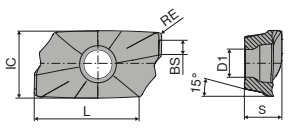
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XDKT / XDHT

Designation	IC	D1	L	BS	S
	mm	mm	mm	mm	mm
XD.T 11T302..	6,8	2,8	10,6	2	3,80
XD.T 11T304..	6,8	2,8	10,6	1,8	3,80
XD.T 11T308..	6,8	2,8	10,6	1,4	3,80
XD.T 11T312..	6,8	2,8	10,6	1,4	3,80
XD.T 11T316..	6,8	2,8	10,6	1,4	3,80
XD.T 11T320..	6,8	2,8	10,6	1,4	3,80
XD.T 11T325..	6,8	2,8	10,6	1,4	3,80
XD.T 11T332..	6,8	2,8	10,6	0,8	3,80
XD.T 11T340..	6,8	2,8	10,6	-	3,80
XDHT 11T350..	6,8	2,8	10,6	-	3,80
XDKT 11T332..	6,8	2,8	10,6	1,4	3,80



XDKT

XDKT / XDHT

CERATIZIT \ Performance

	-F40 CTPM245	-F50 CTPM245	-F40 CTC5240	-F20 CTWN215	-27P H216T
	-F40 DPX2245	-F50 DPX2245	-F40 HCF5240	-F20 CWK4615	-ALP CWK26
	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN		
					
	XDKT	XDKT	XDKT	XDKT	XDHT

ISO	RE	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
	mm										
11T302FR	0,2							50 478 502	13,26	50 477 502	19,98
11T304ER	0,4	51 113 454	13,57			50 463 504	13,57				
11T304FR	0,4							50 478 504	13,26	50 477 504	19,98
11T308ER	0,8	51 113 458	13,57			50 463 500	13,57				
11T308FR	0,8							50 478 508	13,26	50 477 508	19,98
11T308SR	0,8			51 034 458	13,57						
11T312ER	1,2	51 113 462	13,57			50 463 512	13,57				
11T312FR	1,2									50 477 512	19,98
11T316ER	1,6	51 113 466	13,57			50 463 516	13,57				
11T316FR	1,6									50 477 516	19,98
11T320ER	2,0	51 113 470 [1]	13,57								
11T320FR	2,0							50 478 520 [1]	13,26	50 477 520 [1]	19,98
11T325ER	2,5	51 113 475 [1]	13,57			50 463 525 [1]	13,57				
11T325FR	2,5							50 478 525 [1]	13,26	50 477 525 [1]	19,98
11T332ER	3,2	51 113 482 [1]	13,57			50 463 532 [1]	13,57				
11T332FR	3,2									50 477 532 [1]	19,98
11T340ER	4,0	51 113 490 [1]	13,57			50 463 540 [1]	13,57				
11T340FR	4,0									50 477 540 [1]	19,98
11T350FR	5,0									50 477 550 [1]	19,98

Steel	●	●			
Stainless steel	●	●			
Cast iron				○	○
Non ferrous metals				●	●
Heat resistant alloys			●		

1) Insert radius >1.6 mm: Modify cutter body

XDKT

CERATIZIT \ Performance

	-M50 CTCP220	-M50 CTPP225	-M50 CTCP230	-M50 CTPP235	-M50 CTPM225	-M50 CTCM235	-M50 CTPM240	-M50 CTCK215	-M50 CTPK220
	-M50 DCX1220	-M50 DPX1225	-M50 DCX1230	-M50 DPX1235	-M50 DPX2225	-M50 DCX2235	-M50 DPX2240	-M50 DCX3215	-M50 DPX3220
	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN
									
	XDKT	XDKT	XDKT	XDKT	XDKT	XDKT	XDKT	XDKT	XDKT

ISO	RE	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
	mm																
11T304SR	0,4					51 037 004	10,55	51 037 104	10,55					51 037 404	10,55	51 037 504	10,55
11T308SR	0,8	51 037 258	10,55	51 037 058	10,55	51 037 008	10,55	51 037 108	10,55	51 037 208	10,55	51 037 308	10,55	51 037 408	10,55	51 037 508	10,55
11T312SR	1,2					51 037 012	10,55							51 037 412	10,55		
11T320SR	2,0					51 037 020 [1]	10,55	51 037 120 [1]	10,55					51 037 420 [1]	10,55		
11T325SR	2,5					51 037 025 [1]	10,55	51 037 125 [1]	10,55								
11T332SR	3,2													51 037 432 [1]	10,55		

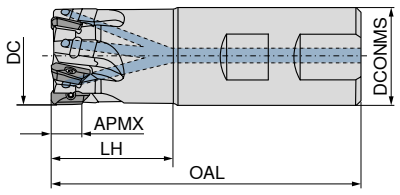
Steel	●	●	●	●	○	○	○	○	○
Stainless steel			○	○	●	●	●		
Cast iron								●	●
Non ferrous metals									
Heat resistant alloys									

1) Insert radius >1.6 mm: Modify cutter body

MaxiMill – End milling cutter C 211-15

▲ Insert radius >2,5 mm: Modify cutter body

CERATIZIT \ Performance





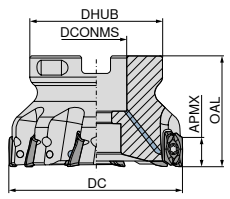


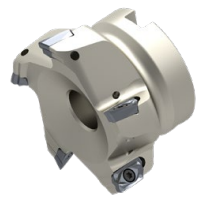
ISO designation	DC	OAL	LH	DCONMS	APMX	RPMX	Insert	ZNF	A Article no.	A EUR	B Article no.	B EUR
	mm	mm	mm	mm	mm	1/min.						
C211.25.R.02-15-B20-32	25	83	32	20	14	26560	XD.T 1505	2			50 747 125	79,20
C211.25.R.02-15-A-32	25	90	32	25	14	26560	XD.T 1505	2	50 747 225	79,20		
C211.25.R.02-15-B-32	25	90	32	25	14	26560	XD.T 1505	2			50 747 025	79,20
C211.25.R.02-15-A-50-225	25	225	50	25	14	7520	XD.T 1505	2	50 747 325	73,70		
C211.32.R.03-15-B25-40	32	96	40	25	14	22160	XD.T 1505	3			50 747 132	88,00
C211.32.R.03-15-A-40	32	103	40	32	14	24160	XD.T 1505	3	50 747 232	88,00		
C211.32.R.03-15-B-40	32	103	40	32	14	24160	XD.T 1505	3			50 747 032	88,00
C211.32.R.03-15-A-63-250	32	250	63	32	14	6800	XD.T 1505	3	50 747 332	82,50		
C211.40.R.04-15-A-50	40	110	50	32	14	22160	XD.T 1505	4	50 747 240	97,90		
C211.40.R.04-15-B32-50	40	110	50	32	14	22160	XD.T 1505	4			50 747 040	97,90
C211.40.R.03-15-A-50-275	40	275	50	32	14	6120	XD.T 1505	3	50 747 340	92,40		

MaxiMill – Shell mill A 211-15

▲ Insert radius >2,5 mm: Modify cutter body

CERATIZIT \ Performance







ISO designation	DC	OAL	DCONMS $_{H6}$	DHUB	APMX	RPMX	Insert	ZNF	Article no.	EUR	Article no.	EUR
	mm	mm	mm	mm	mm	1/min.						
A211.40.R.03-15	40	40	16	38	14	22160	XD.T 1505	3	50 748 040	86,90		
A211.40.R.04-15	40	40	16	38	14	22160	XD.T 1505	4			50 749 040	97,90
A211.50.R.03-15	50	40	22	43	14	20320	XD.T 1505	3	50 748 050	103,40		
A211.50.R.05-15	50	40	22	43	14	20320	XD.T 1505	5			50 749 050	113,30
A211.63.R.04-15	63	45	22	48	14	18640	XD.T 1505	4	50 748 063	124,30		
A211.63.R.06-15	63	45	22	48	14	18640	XD.T 1505	6			50 749 063	135,30
A211.80.R.05-15	80	50	27	58	14	17040	XD.T 1505	5	50 748 080	140,80		
A211.80.R.08-15	80	50	27	58	14	17040	XD.T 1505	8			50 749 080	151,80
A211.100.R.06-15	100	50	32	78	14	15680	XD.T 1505	6	50 748 100	157,30		
A211.100.R.10-15	100	50	32	78	14	15680	XD.T 1505	10			50 749 100	168,30
A211.125.R.07-15	125	63	40	88	14	14320	XD.T 1505	7	50 748 125	166,10		
A211.125.R.11-15	125	63	40	88	14	14320	XD.T 1505	11			50 749 125	177,10
A211.160.R.08-15	160	63	40	93	14	13200	XD.T 1505	8	50 748 160 [1]	232,10		
A211.160.R.12-15	160	63	40	93	14	13200	XD.T 1505	12			50 749 160 [1]	243,10

1) Without Through Coolant

Spare parts


Clamping key - T

Key D

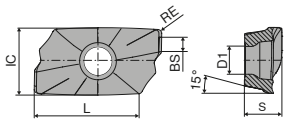

Power Screw


Clamping screw

DC	Clamping key - T Article no.	EUR	Key D Article no.	EUR	Power Screw Article no.	EUR	Clamping screw Article no.	EUR
40	80 397 040	2,89	80 950 128	9,54	70 950 151	10,62	70 950 839	2,71
50	80 397 050	3,69	80 950 128	9,54	70 950 154	14,56	70 950 839	2,71
63 - 160			80 950 128	9,54			70 950 839	2,71

XDKT

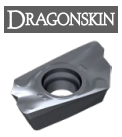
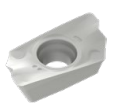
Designation	IC	D1	L	BS	S
	mm	mm	mm	mm	mm
XDKT 150508..	9,3	4,4	14,8	1,6	5,56
XDKT 150532..	9,3	4,4	14,8	1,9	5,56
XDKT 150540..	9,3	4,4	14,8	1,2	5,56



XDKT

XDKT

CERATIZIT \ Performance

	-F40 CTPM245	-F40 CTC5240	-F20 CTWN215
	-F40 DPX2245	-F40 HCF5240	-F20 CWK4615
	DRAGONSKIN	DRAGONSKIN	
	 XDKT	 XDKT	 XDKT

ISO	RE	-F40 CTPM245 Article no.	EUR	-F40 CTC5240 Article no.	EUR	-F20 CTWN215 Article no.	EUR
	mm						
150508ER	0,8	51 114 458	16,93	50 473 508	16,93	50 479 508	16,62
150508FR	0,8						
150532ER	3,2	51 114 482 [2]	16,93	50 473 532 [1]	16,93		
150540ER	4,0	51 114 490 [2]	16,93	50 473 540 [1]	16,93		

	-F40 CTPM245	-F40 CTC5240	-F20 CTWN215
Steel	●		
Stainless steel	●		
Cast iron			○
Non ferrous metals			●
Heat resistant alloys		●	

1) Insert radius >2.5 mm: Modify cutter body

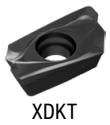
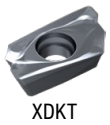
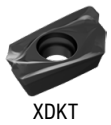
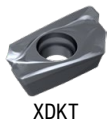
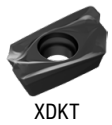
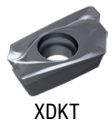
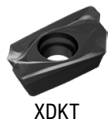
2) Insert radius >1.6 mm: Modify cutter body

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XDKT

CERATIZIT \ Performance

	-M50 CTCP220	-M50 CTPP225	-M50 CTCP230	-M50 CTPP235	-M50 CTPM225	-M50 CTCM235	-M50 CTPM240	-M50 CTCK215	-M50 CTPK220
	-M50 DCX1220	-M50 DPX1225	-M50 DCX1230	-M50 DPX1235	-M50 DPX2225	-M50 DCX2235	-M50 DPX2240	-M50 DCX3215	-M50 DPX3220
	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN
									
	XDKT	XDKT	XDKT	XDKT	XDKT	XDKT	XDKT	XDKT	XDKT

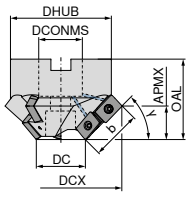
ISO	RE	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
	mm																		
150508SR	0,8	51 038 258	14,07	51 038 058	14,07	51 038 008	14,07	51 038 108	14,07	51 038 208	14,07	51 038 308	14,07	51 038 408	14,07	51 038 508	14,07	51 038 608	14,07
150512SR	1,2					51 038 012	14,07	51 038 112	14,07					51 038 412	14,07				
150516SR	1,6					51 038 016	14,07	51 038 116	14,07					51 038 416	14,07				
150520SR	2,0							51 038 120	14,07										
150530SR	3,0					51 038 030	14,07	51 038 130	14,07					51 038 430	14,07				
150540SR	4,0					51 038 040	14,07	51 038 140	14,07					51 038 440	14,07				

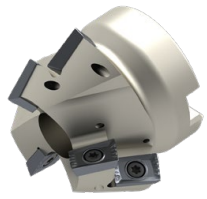
Steel	●	●	●	●	○	○	○	○	○
Stainless steel			○	○	●	●	●		
Cast iron								●	●
Non ferrous metals									
Heat resistant alloys									

MaxiMill – Chamfer Cutter A 242

- ▲ Caution: Use only inserts with a corner radius of less than 1.6 mm
- ▲ ZEFP = number of inserts
- ▲ ZNP = tooth rows

CERATIZIT \ Performance





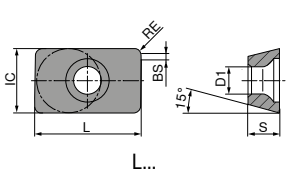
KAPR °	ZEFP	DCX ±0,3 mm	DC mm	b ±0,3 mm	OAL mm	APMX ±0,3 mm	DCONMS mm	DHUB mm	ZNP	Insert	ZNF	Article no.	EUR
15	6	92,2	35	29,6	50	7,6	27	62,5	2	LD.. 1504..	3	50 768 015	113,30
30	6	86,3	35	29,6	50	14,8	27	62,5	2	LD.. 1504..	3	50 768 030	113,30
45	6	76,9	35	29,6	50	20,9	27	62,5	2	LD.. 1504..	3	50 768 045	113,30
60	6	64,6	35	29,6	50	25,6	22	62,5	2	LD.. 1504..	3	50 768 060 1)	113,30
75	6	50,3	35	29,6	60	28,5	22	49,0	2	LD.. 1504..	3	50 768 075 1)	113,30

1) Version with Powerscrew

Spare parts KAPR	Clamping key - T		Key D		Power Screw		Clamping screw		clamping screw	
	Article no.		Article no.		Article no.		Article no.		Article no.	
	EUR		EUR		EUR		EUR		EUR	
15 - 45			7,41	80 950 113			2,66	70 950 304	4,27	83 950 125
60 - 75	3,69	80 397 050	7,41	80 950 113	14,56	70 950 154	2,66	70 950 304		

LDFT / LDFW

Designation	IC mm	D1 mm	L mm	BS mm	S mm
LDF. 1504PD..	9,52	4,4	15	1,2	4,76
LDFT 1504PD..	9,52	4,4	15	0,8	4,76



L...

LDFT / LDFW

CERATIZIT \ Performance

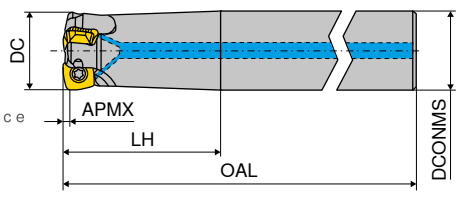
	-29 CTCP230	-29 CTPP235	-33 CTPM240	CTCK215
	-29 DCX1230	-29 DPX1235	-33 DPX2240	DCX3215
	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN
				
	LDFT	LDFT	LDFT	LDFW

ISO	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
1504PDSR	51 079 020	14,34	51 079 120	14,34	51 042 420	13,71	51 043 520	11,98

Steel	●	●	○	○
Stainless steel	○	○	●	
Cast iron				●
Non ferrous metals				
Heat resistant alloys				

MaxiMill – End milling cutter C HFC

CERATIZIT \ Performance

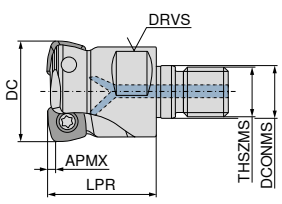




ISO designation	DC	OAL	LH	DCONMS $_{h6}$	APMX	RPMX	Insert	ZNF	Article no.	EUR
	mm	mm	mm	mm	mm	1/min.				
CHFC.25.R.02-09-A-50-225	25	225	50	25	1	9000	XDLX 09T3..	2	50 681 025	82,50
CHFC.25.R.03-09-A-50-225	25	225	50	25	1	9000	XDLX 09T3..	3	50 681 125	89,10
CHFC.32.R.03-09-A-63-250	32	250	63	32	1	8100	XDLX 09T3..	3	50 681 032	92,40
CHFC.32.R.02-12-A-63-250	32	250	63	32	2	6480	XOLX 1204..	2	50 681 132	86,90
CHFC.35.R.03-12-A-63-250	35	250	63	32	2	6480	XOLX 1204..	3	50 681 035	92,40

MaxiMill – Screw in cutter G HFC

CERATIZIT \ Performance

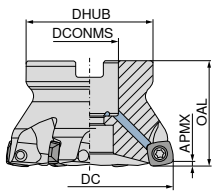


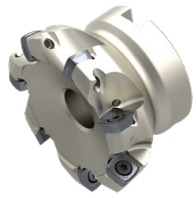


ISO designation	DC	LPR	DCONMS	THSZMS	DRVS	APMX	RPMX	Insert	ZNF	Article no.	EUR
	mm	mm	mm		mm	mm	1/min.				
GHFC.25.R.02-09	25	35	12,5	M12	17	1	30000	XDLX 09T3..	2	50 682 025	82,50
GHFC.25.R.03-09	25	35	12,5	M12	17	1	30000	XDLX 09T3..	3	50 682 125	89,10
GHFC.32.R.03-09	32	35	17,0	M16	24	1	27000	XDLX 09T3..	3	50 682 032	92,40
GHFC.32.R.02-12	32	35	17,0	M16	24	2	21600	XOLX 1204..	2	50 682 132	86,90
GHFC.35.R.03-12	35	35	17,0	M16	24	2	21360	XOLX 1204..	3	50 682 035	92,40

MaxiMill – Shell mill A HFC

CERATIZIT \ Performance





ISO designation	DC	OAL	DCONMS $_{H6}$	DHUB	APMX	RPMX	Insert	ZNF	Article no.	EUR
	mm	mm	mm	mm	mm	1/min.				
AHFC.32.R.03-09	32	40	16	38	1,0	27700	XDLX 09T3..	3	50 683 032	92,40
AHFC.35.R.04-09	35	40	16	38	1,0	26700	XDLX 09T3..	4	50 683 035	99,00
AHFC.40.R.04-09	40	40	16	38	1,0	26400	XDLX 09T3..	4	50 683 140	103,40
AHFC.42.R.05-09	42	40	16	38	1,0	26100	XDLX 09T3..	5	50 683 142	108,90
AHFC.50.R.05-09	50	40	22	43	1,0	23500	XDLX 09T3..	5	50 683 150	121,00
AHFC.52.R.06-09	52	40	22	43	1,0	23000	XDLX 09T3..	6	50 683 152	127,60
AHFC.63.R.06-09	63	40	22	48	1,0	20500	XDLX 09T3..	6	50 683 163	139,70
AHFC.40.R.03-12	40	40	16	38	2,0	21120	XOLX 1204..	3	50 683 040	96,80
AHFC.42.R.04-12	42	40	16	38	2,0	20880	XOLX 1204..	4	50 683 042	103,40
AHFC.50.R.04-12	50	40	22	43	2,0	18800	XOLX 1204..	4	50 683 050	115,50
AHFC.52.R.05-12	52	40	22	43	2,0	18400	XOLX 1204..	5	50 683 052	121,00
AHFC.63.R.05-12	63	40	22	48	2,0	16400	XOLX 1204..	5	50 683 063	133,10
AHFC.66.R.06-12	66	40	22	48	2,0	16000	XOLX 1204..	6	50 683 066	139,70
AHFC.80.R.07-12	80	50	27	58	2,0	14000	XOLX 1204..	7	50 683 080	157,30
AHFC.100.R.08-12	100	50	32	78	2,0	12000	XOLX 1204..	8	50 683 100	176,00
AHFC.63.R.05-19	63	40	22	48	3,3	5500	XOLX 1906..	5	50 683 263	139,70
AHFC.80.R.06-19	80	50	27	58	3,3	4700	XOLX 1906..	6	50 683 280	169,40
AHFC.100.R.08-19	100	52	32	78	3,3	4100	XOLX 1906..	8	50 683 300	201,30
AHFC.125.R.10-19	125	63	40	88	3,3	3600	XOLX 1906..	10	50 683 325	253,00
AHFC.160.R.11-19	160	63	40	98	3,3	3100	XOLX 1906..	11	50 683 360 [1]	305,80

1) With threaded holes M12 on the front face, pitch circle diameter = 66.7 mm / Without Through Coolant

Key D


Power Screw


Clamping screw

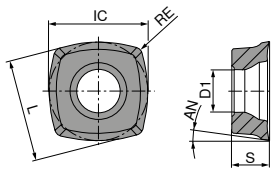
Spare parts		Article no.	EUR		Article no.	EUR		Article no.	EUR
XDLX 09T3..	T15	80 950 113	7,41				M3,5x7,2	70 950 110	2,66
XDLX 09T3.. (Ø32 – Ø42)	T15	80 950 113	7,41	M8x30	70 950 151	10,62	M3,5x7,2	70 950 110	2,66
XOLX 1204..	T20	80 950 114	7,93				M4,5x10,5	70 950 280	1,76
XOLX 1204.. (Ø40 – Ø42)	T20	80 950 114	7,93	M8x30	70 950 151	10,62	M4,5x10,5	70 950 280	1,76
XOLX 1906..	T20	80 950 114	7,93				M5x14	70 950 302	3,48

Customer Service Centre
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XDLX / XOLX

Designation	IC	D1	L	AN	S
	mm	mm	mm	°	mm
XDLX 09T308..	9,52	4,4	9	15	3,97
XOLX 120410..	12,70	5,5	12	10	4,76



XDLX

CERATIZIT \ Performance

ISO	RE	-M50 CTCP220		-M50 CTPP225		-M50 CTCP230		-M50 CTPP235	
		-M50 DCX1220		-M50 DPX1225		-M50 DCX1230		-M50 DPX1235	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
									
		XDLX		XDLX		XDLX		XDLX	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
09T308SR	0,8	51 016 258	9,54	51 016 058	9,54	51 016 008	9,54	51 016 108	9,54
Steel		●		●		●		●	
Stainless steel						○		○	
Cast iron									
Non ferrous metals									
Heat resistant alloys									

XDLX

CERATIZIT \ Performance

ISO	RE	-F40 CTPM245		-M50 CTPM225		-M50 CTCM235		-M50 CTPM240		-M50 CTPM245		-M50 CTCK215		-F40 CTC5240	
		-F40 DPX2245		-M50 DPX2225		-M50 DCX2235		-M50 DPX2240		-M50 DPX2245		-M50 DCX3215		-F40 HCF5240	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
															
		XDLX		XDLX		XDLX		XDLX		XDLX		XDLX		XDLX	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
09T308ER	0,8	51 115 458	11,52											50 503 558	11,52
09T308SR	0,8			51 016 208	9,54	51 016 308	9,54	51 016 408	9,54	51 016 458	11,52	51 016 508	9,54		
Steel		●		○		○		○		●		○			
Stainless steel		●		●		●		●		●					
Cast iron												●			
Non ferrous metals															
Heat resistant alloys														●	

XOLX

CERATIZIT \ Performance

ISO	RE	-M50 CTCP220		-M50 CTPP225		-M50 CTCP230		-M50 CTPP235		-R50 CTPP235	
		-M50 DCX1220		-M50 DPX1225		-M50 DCX1230		-M50 DPX1235		-R50 DPX1235	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
											
		XOLX		XOLX		XOLX		XOLX		XOLX	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
120410SR	1,0	51 017 260	11,44	51 017 060	11,44	51 017 010	11,44	51 017 110	11,44	51 018 110	11,44
Steel		●		●		●		●		●	
Stainless steel						○		○		○	
Cast iron											
Non ferrous metals											
Heat resistant alloys											

XOLX

CERATIZIT \ Performance

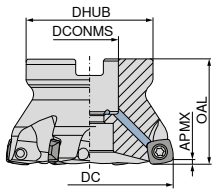
ISO	RE	-F40 CTPM245		-M50 CTPM225		-M50 CTCM235		-M50 CTPM240		-M50 CTPM245		-M50 CTCK215		-F40 CTC5240	
		-F40 DPX2245		-M50 DPX2225		-M50 DCX2235		-M50 DPX2240		-M50 DPX2245		-M50 DCX3215		-F40 HCF5240	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
															
		XOLX		XOLX		XOLX		XOLX		XOLX		XOLX		XOLX	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
120410ER	1,0	51 022 460	13,48											50 504 558	13,48
120410SR	1,0			51 017 210	11,44	51 017 310	11,44	51 017 410	11,44	51 017 460	13,48	51 017 510	11,44		
Steel		●		○		○		○		●		○			
Stainless steel		●		●		●		●		●					
Cast iron												●			
Non ferrous metals															
Heat resistant alloys														●	

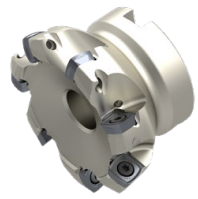
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MaxiMill – Shell mill A HFC

CERATIZIT \ Performance





ISO designation	DC	OAL	DCONMS $_{H6}$	DHUB	APMX	RPMX	Insert	ZNF	Article no.	EUR
	mm	mm	mm	mm	mm	1/min.				
AHFC.32.R.03-09	32	40	16	38	1,0	27700	XDLX 09T3..	3	50 683 032	92,40
AHFC.35.R.04-09	35	40	16	38	1,0	26700	XDLX 09T3..	4	50 683 035	99,00
AHFC.40.R.04-09	40	40	16	38	1,0	26400	XDLX 09T3..	4	50 683 140	103,40
AHFC.42.R.05-09	42	40	16	38	1,0	26100	XDLX 09T3..	5	50 683 142	108,90
AHFC.50.R.05-09	50	40	22	43	1,0	23500	XDLX 09T3..	5	50 683 150	121,00
AHFC.52.R.06-09	52	40	22	43	1,0	23000	XDLX 09T3..	6	50 683 152	127,60
AHFC.63.R.06-09	63	40	22	48	1,0	20500	XDLX 09T3..	6	50 683 163	139,70
AHFC.40.R.03-12	40	40	16	38	2,0	21120	XOLX 1204..	3	50 683 040	96,80
AHFC.42.R.04-12	42	40	16	38	2,0	20880	XOLX 1204..	4	50 683 042	103,40
AHFC.50.R.04-12	50	40	22	43	2,0	18800	XOLX 1204..	4	50 683 050	115,50
AHFC.52.R.05-12	52	40	22	43	2,0	18400	XOLX 1204..	5	50 683 052	121,00
AHFC.63.R.05-12	63	40	22	48	2,0	16400	XOLX 1204..	5	50 683 063	133,10
AHFC.66.R.06-12	66	40	22	48	2,0	16000	XOLX 1204..	6	50 683 066	139,70
AHFC.80.R.07-12	80	50	27	58	2,0	14000	XOLX 1204..	7	50 683 080	157,30
AHFC.100.R.08-12	100	50	32	78	2,0	12000	XOLX 1204..	8	50 683 100	176,00
AHFC.63.R.05-19	63	40	22	48	3,3	5500	XOLX 1906..	5	50 683 263	139,70
AHFC.80.R.06-19	80	50	27	58	3,3	4700	XOLX 1906..	6	50 683 280	169,40
AHFC.100.R.08-19	100	52	32	78	3,3	4100	XOLX 1906..	8	50 683 300	201,30
AHFC.125.R.10-19	125	63	40	88	3,3	3600	XOLX 1906..	10	50 683 325	253,00
AHFC.160.R.11-19	160	63	40	98	3,3	3100	XOLX 1906..	11	50 683 360 [1]	305,80

1) With threaded holes M12 on the front face, pitch circle diameter = 66.7 mm / Without Through Coolant

Spare parts

TORX® blade

Key D

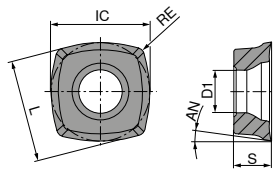


Clamping screw

Insert	Article no.	EUR	Article no.	EUR	Article no.	EUR
XOLX 1906..	80 950 037	4,05	80 950 114	7,93	70 950 302	3,48

XOLX

Designation	IC	D1	L	S	AN
	mm	mm	mm	mm	°
XOLX 1906..	19,14	6	19	6,35	10



XOLX

CERATIZIT \ Performance

ISO	RE	-F40 CTPM245		-F40 CTC5240	
		-F40 DPX2245		-F40 HCF5240	
		DRAGONSKIN		DRAGONSKIN	
		 XOLX		 XOLX	
	mm	Article no.	EUR	Article no.	EUR
190615ER	1,5	51 022 465	20,45	50 504 515	20,45
Steel		●			
Stainless steel		●			
Cast iron					
Non ferrous metals					
Heat resistant alloys				●	

XOLX

CERATIZIT \ Performance

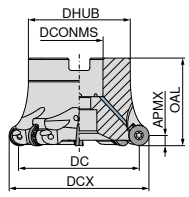
ISO	RE	-M50 CTCP230		-M50 CTPP235		-M50 CTPM240		-M50 CTCK215	
		-M50 DCX1230		-M50 DPX1235		-M50 DPX2240		-M50 DCX3215	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		 XOLX		 XOLX		 XOLX		 XOLX	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
190615SR	1,5	51 017 015	16,62	51 017 115	16,62	51 017 415	16,62	51 017 515	16,62
Steel		●		●		○		○	
Stainless steel		○		○		●			
Cast iron								●	
Non ferrous metals									
Heat resistant alloys									

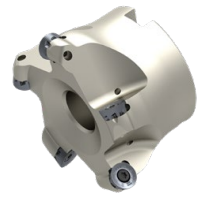
Customer Service Centre
Freephone: 1800 93 22 55

Ordering via the Online Shop
http://cuttingtools.ceratizit.com

MaxiMill – Shell mill A 251 RS

CERATIZIT \ Performance





ISO designation	DCX	DC	OAL	APMX	DHUB	DCONMS $_{H6}$	RPMX	Insert	ZNF	Article no.	EUR
	mm	mm	mm	mm	mm	mm	1/min.				
A251.40.R.03-10-RS	40	30	40	5	38	16	15900	RP.X 10T3..	3	50 686 240	94,60
A251.40.R.05-10-RS	40	30	40	5	38	16	16000	RP.X 10T3..	5	50 686 140	106,70
A251.42.R.06-10-RS	42	32	40	5	38	16	16000	RP.X 10T3..	6	50 686 142	122,10
A251.50.R.04-10-RS	50	40	40	5	43	22	12700	RP.X 10T3..	4	50 686 350	104,50
A251.50.R.06-10-RS	50	40	40	5	43	22	12500	RP.X 10T3..	6	50 686 150	126,50
A251.52.R.06-10-RS	52	42	40	5	43	22	12500	RP.X 10T3..	6	50 686 152	126,50
A251.40.R.04-12-RS	40	28	40	6	38	16	15900	RP.X 1204..	4	50 686 340	97,90
A251.50.R.04-12-RS	50	38	40	6	43	22	12700	RP.X 1204..	4	50 686 250	101,20
A251.50.R.05-12-RS	50	38	40	6	43	22	12500	RP.X 1204..	5	50 686 050	118,80
A251.63.R.06-12-RS	63	51	40	6	48	22	10000	RP.X 1204..	6	50 686 063	147,40
A251.80.R.05-12-RS	80	68	50	6	58	27	7950	RP.X 1204..	5	50 686 180	134,20
A251.80.R.07-12-RS	80	68	50	6	58	27	8000	RP.X 1204..	7	50 686 080	166,10
A251.100.R.06-12-RS	100	88	50	6	78	32	6350	RP.X 1204..	6	50 686 100	149,60
A251.100.R.10-12-RS	100	88	50	6	78	32	6350	RP.X 1204..	10	50 686 200	218,90


Clamping key - T

Key D

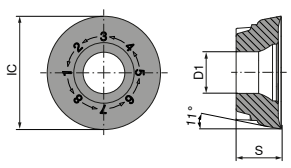

Power Screw


Clamping screw

Spare parts		Article no.	EUR		Article no.	EUR		Article no.	EUR		Article no.	EUR
Insert												
RP.X 10T3..	SW4	2,89	80 397 040	T10	7,29	80 950 112	M8x30	10,62	70 950 151	M3x7,3	2,19	70 950 840
RP.X 1204..	SW4	2,89	80 397 040	T15	7,41	80 950 113	M8x30	10,62	70 950 151	M3,5x8,6	2,66	70 950 304

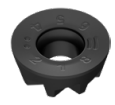
RPHX

Designation	IC	D1	S
	mm	mm	mm
RPHX 10T3..	10	3,4	3,97
RPHX 1204..	12	4,4	4,76



RPHX

CERATIZIT \ Performance

	-F50 CTPP235	-F50 CTPM225	-F50 CTCM235	-F50 CTPM240	-M30 CTPM225	-M30 CTCM235	-M30 CTPM240	-M50 CTPM240
	-F50 DPX1235	-F50 DPX2225	-F50 DCX2235	-F50 DPX2240	-M30 DPX2225	-M30 DCX2235	-M30 DPX2240	-M50 DPX2240
	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN
								
	RPHX	RPHX	RPHX	RPHX	RPHX	RPHX	RPHX	RPHX
ISO	Article no. / EUR	Article no. / EUR	Article no. / EUR	Article no. / EUR	Article no. / EUR	Article no. / EUR	Article no. / EUR	Article no. / EUR
1204M8EN					51 049 225 10,55	51 049 325 10,55	51 049 425 10,55	
1204M8SN	51 051 125 10,55	51 051 225 10,55	51 051 325 10,55	51 051 425 10,55				51 050 425 10,55
Steel	●	○	○	○	○	○	○	○
Stainless steel	○	●	●	●	●	●	●	●
Cast iron								
Non ferrous metals								
Heat resistant alloys								

RPHX

CERATIZIT \ Performance

	-SN CTPM225	-F50 CTPM245	-M50 CTPM245	-SN CTCK215	-M31 CTC5240	-27P H216T
	-SN DPX2225	-F50 DPX2245	-M50 DPX2245	-SN DCX3215	-M31 HCF5240	-ALP CWK26
	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	
						
	RPHX	RPHX	RPHX	RPHX	RPHX	RPHX
ISO	Article no. / EUR	Article no. / EUR	Article no. / EUR	Article no. / EUR	Article no. / EUR	Article no. / EUR
10T3M4SN		51 051 470 [1] 12,14	51 050 470 [1] 12,14			
10T3M8EN					50 493 551 12,14	
10T3M8SN			51 050 471 12,14			
1204M4SN			51 050 475 [1] 13,39			
1204M6SN			51 050 476 13,39			
1204M8EN					50 493 582 13,39	
1204M8FN						50 483 602 12,18
1204M8SN	51 052 225 10,55	51 051 477 13,39	51 050 477 13,39	51 052 525 10,55		
Steel	○	●	●	○		
Stainless steel	●	●	●			
Cast iron				●		○
Non ferrous metals						●
Heat resistant alloys					●	

1) Insert with 4 indexes

New system size for more economy

Efficiency, process security and flexibility. That's what MaxiMill 271 stands for. The extremely soft-cutting tool system can be used in a wide range of applications thanks to the fine and standard pitch holders, while the wiper insert also helps achieve first-class finishes. Furthermore, the system stands out thanks to the cutter's excellent wear behaviour and also impresses with optimal chip formation and removal.

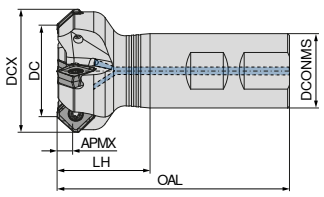


Find more Information in the UP2DATE catalogue (September 2019)

Cutting Data	98+99	Chip Breakers Overview	99

MaxiMill – End milling cutter C 271-12

CERATIZIT \ Performance





B

ISO designation	DC	DCX	ZNF	APMX	OAL	LH	DCONMS $_{h6}$	RPMX	torque moment	Insert	Article no.	
	mm	mm		mm	mm	mm	mm	1/min.	Nm			EUR
C271.32.R.03-12-B-40	32	45	3	6,8	100	40	32	18400	3,2	SOHU 1204.. / XOHU 1204..	50 786 03203	97,90
C271.40.R.04-12-B32-40	40	53	4	6,8	100	40	32	16800	3,2	SOHU 1204.. / XOHU 1204..	50 786 04004	122,10



Clamping screw

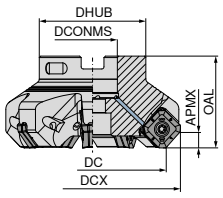
Spare parts

DC	Article no.	EUR
32 - 40	70 950 859	2,66

MaxiMill – A 271-12 Face mill

▲ 8 cutting edges per insert

CERATIZIT \ Performance





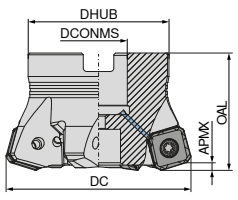


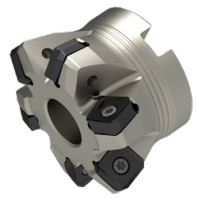
ISO designation	DC	DCX	ZNF	APMX	OAL	DHUB	DCONMS $_{H6}$	RPMX	torque moment	Insert	Article no.		Article no.	
	mm	mm		mm	mm	mm	mm	1/min.	Nm			EUR		EUR
A271.40.R.04-12	40	53	4	6,8	40	38	16	17900	3,2	SOHU 1204.. / XOHU 1204..	50 787 04004	122,10		
A271.50.R.05-12	50	63	5	6,8	40	43	22	15200	3,2	SOHU 1204.. / XOHU 1204..	50 787 05005	125,40		
A271.63.R.07-12	63	76	7	6,8	40	48	22	13100	3,2	SOHU 1204.. / XOHU 1204..	50 787 06307	159,50		
A271.80.R.06-12	80	93	6	6,8	50	58	27	11300	3,2	SOHU 1204.. / XOHU 1204..			50 787 08006	159,50
A271.80.R.08-12	80	93	8	6,8	50	58	27	11300	3,2	SOHU 1204.. / XOHU 1204..	50 787 08008	183,70		
A271.100.R.07-12	100	113	7	6,8	63	78	32	9900	3,2	SOHU 1204.. / XOHU 1204..			50 787 10007	201,30
A271.100.R.10-12	100	113	10	6,8	63	78	32	9900	3,2	SOHU 1204.. / XOHU 1204..	50 787 10010	228,80		
A271.125.R.08-12	125	138	8	6,8	63	88	40	8700	3,2	SOHU 1204.. / XOHU 1204..			50 787 12508	244,20
A271.125.R.12-12	125	138	12	6,8	63	88	40	8700	3,2	SOHU 1204.. / XOHU 1204..	50 787 12512	281,60		
A271.160.R.09-12	160	173	9	6,8	63	98	40	7600	3,2	SOHU 1204.. / XOHU 1204..			50 787 16009 1)	283,80
A271.160.R.14-12	160	173	14	6,8	63	98	40	7600	3,2	SOHU 1204.. / XOHU 1204..	50 787 16014 1)	330,00		
A271.200.R.11-12	200	213	11	6,8	63	132	60	6700	3,2	SOHU 1204.. / XOHU 1204..			50 787 20011 1)	356,40
A271.200.R.17-12	200	213	17	6,8	63	132	60	6700	3,2	SOHU 1204.. / XOHU 1204..	50 787 20017 1)	402,60		
A271.250.R.13-12	250	263	13	6,8	63	132	60	6000	3,2	SOHU 1204.. / XOHU 1204..			50 787 25013 1)	429,00
A271.250.R.21-12	250	263	21	6,8	63	132	60	6000	3,2	SOHU 1204.. / XOHU 1204..	50 787 25021 1)	503,80		

1) Without Through Coolant

MaxiMill – A 271-12 HFC Face mill

CERATIZIT \ Performance





ISO designation	DC	ZNF	APMX	OAL	DHUB	DCONMS $_{H6}$	RPMX	torque moment	Insert	Article no.	
	mm		mm	mm	mm	mm	1/min.	Nm			EUR
A271.50.R.04-12-HFC	50	4	2,6	40	43	22	14600	3,2	SOHU 1204..	50 788 05004	125,40
A271.63.R.06-12-HFC	63	6	2,6	40	48	22	12500	3,2	SOHU 1204..	50 788 06306	159,50
A271.80.R.07-12-HFC	80	7	2,6	50	58	27	10800	3,2	SOHU 1204..	50 788 08007	183,70



Clamping key - T



Power Screw



Clamping screw

Spare parts

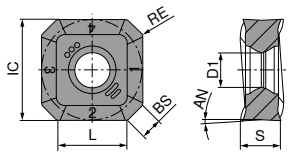
	Clamping key - T Article no.	EUR	Power Screw Article no.	EUR	Clamping screw Article no.	EUR
40 (5078704004)	80 397 040	2,89	70 950 151	10,62	70 950 859	2,66
50 - 250					70 950 859	2,66
50 (5078805004)	80 397 050	3,69	70 950 154	14,56	70 950 859	2,66

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SOHU

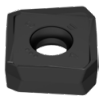
Designation	IC	D1	L	BS	S	AN
	mm	mm	mm	mm	mm	°
SOHU 1204..	13,36	4,4	8,8	1,7	5,00	7,4



SOHU

SOHU

CERATIZIT \ Performance

ISO	RE	-M50 CTPM240		-M50 CTPP235		-M50 CTCM235		-M50 CTCP230	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		 SOHU		 SOHU		 SOHU		 SOHU	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
1204ABSR	0,8	51 138 42000	19,34	51 138 12000	19,34	51 138 32000	19,34	51 138 02000	19,34
Steel		○		●		○		●	
Stainless steel		●		○		●		○	
Cast iron									
Non ferrous metals									
Heat resistant alloys									

SOHU

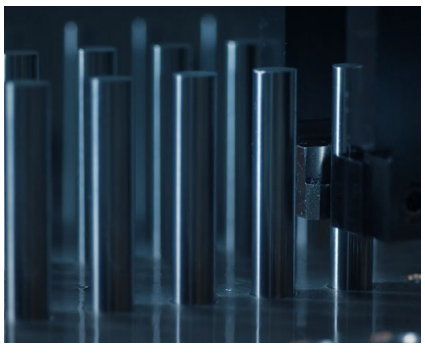
CERATIZIT \ Performance

ISO	RE	-F50 CTC5240		-R50 CTPK220		-R50 CTCK215		-F50 CTPM245	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		 SOHU		 SOHU		 SOHU		 SOHU	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
1204ABSR	0,8	51 140 17000	26,95	51 139 62000	19,34	51 139 52000	19,34	51 140 47000	26,95
Steel				○		○		●	
Stainless steel								●	
Cast iron				●		●			
Non ferrous metals									
Heat resistant alloys		●							

CERATIZIT Group

With passion and pioneering spirit for carbide

CERATIZIT has been a pioneer in the field of demanding carbide solutions for machining and wear protection for more than 95 years, controlling the entire value chain from powder to the finished end product.
With exclusive access to the highest quality carbide raw materials, CERATIZIT offers more than 130 carbide grades and as a full-range supplier manufactures highly specialized cutting tools, indexable inserts, rods made of hard materials and wear parts.
The goal remains the same: CERATIZIT provides competitive advantages – through new technological standards, innovative materials and coatings as well as unique carbide products.



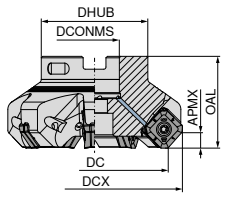
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3 time served engineers, available from 8:00 am to 6:30 pm, Monday to Friday

Order by 6:30 pm and get free,
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MaxiMill – A 271 Face mill

▲ 8 cutting edges per insert

CERATIZIT \ Performance





ISO designation	DC	OAL	APMX	DCX	DCONMS	DHUB	Insert	ZNF	Article no.	EUR
	mm	mm	mm	mm	mm	mm				
A271.50.R.04-17	50	40	8,4	66,1	22	43	SAKU 1706	4	50 767 050	118,80
A271.63.R.06-17	63	40	8,4	79,1	22	48	SAKU 1706	6	50 767 063	167,20
A271.80.R.07-17	80	50	8,4	96,1	27	58	SAKU 1706	7	50 767 080	191,40
A271.100.R.08-17	100	50	6,8	116,1	32	78	SAKU 1706	8	50 767 100	221,10
A271.125.R.10-17	125	63	8,4	141,1	40	88	SAKU 1706	10	50 767 125	255,20

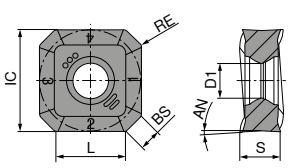
Spare parts
DC

DC	TORX® blade Article no.	EUR	Key D Article no.	EUR	Clamping screw Article no.	EUR
50 - 125	80 950 037	4,05	80 950 114	7,93	70 950 302	3,48



SAKU

Designation	IC	D1	L	BS	S	AN
	mm	mm	mm	mm	mm	°
SAKU 1706..	17	5,8	11,85	3,7	6,35	3



SAKU

SAKU

CERATIZIT \ Performance

ISO	RE	-F50 CTCP220 -F50 DCX1220 DRAGONSKIN		-F50 CTPP225 -F50 DPX1225 DRAGONSKIN		-F50 CTCP230 -F50 DCX1230 DRAGONSKIN		-F50 CTPP235 -F50 DPX1235 DRAGONSKIN	
		 SAKU		 SAKU		 SAKU		 SAKU	
	mm	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
1706ABSR	0,8	51 004 270	21,85	51 004 070	21,85	51 004 020	21,85	51 004 120	21,85
Steel		●		●		●		●	
Stainless steel						○		○	
Cast iron									
Non ferrous metals									
Heat resistant alloys									

More inserts can be found on → **Page 85.**



24

Stock around the clock!

Tool Supply 24/7

If you install a Tool-O-Mat it means that we take on all the procurement and stocking costs for you. You have 100 % availability of all tools at all times and without expenditure.

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SAKU

CERATIZIT \ Performance

ISO	RE mm	-F50 CTPM225 -F50 DPX2225 DRAGONSKIN SAKU		-F50 CTCM235 -F50 DCX2235 DRAGONSKIN SAKU		-F50 CTPM240 -F50 DPX2240 DRAGONSKIN SAKU		-F50 CTPM245 -F50 DPX2245 DRAGONSKIN SAKU		-F50 CTC5240 -F50 HCF5240 DRAGONSKIN SAKU	
		Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
1706ABSR	0,8	51 004 220	21,85	51 004 320	21,85	51 004 420	21,85	51 004 470	26,88	50 306 520	26,88
Steel		○		○		○		●			
Stainless steel		●		●		●		●			
Cast iron											
Non ferrous metals											
Heat resistant alloys										●	

SAKU

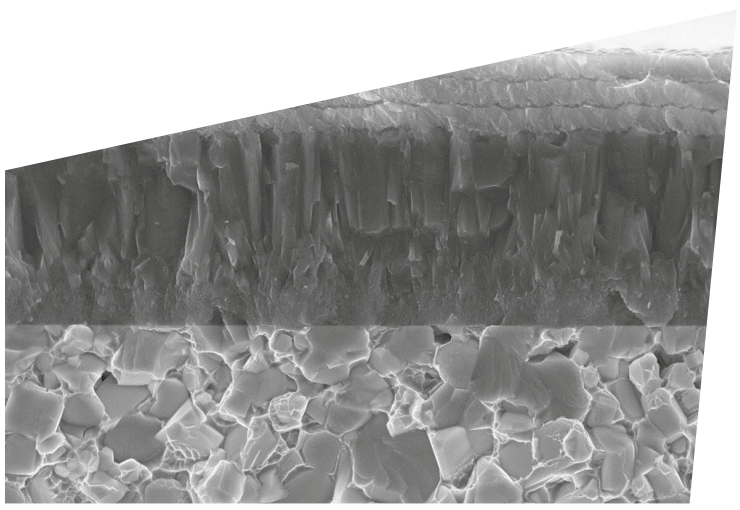
CERATIZIT \ Performance

ISO	RE mm	-M50 CTCP220 -M50 DCX1220 DRAGONSKIN SAKU		-M50 CTPP225 -M50 DPX1225 DRAGONSKIN SAKU		-M50 CTCP230 -M50 DCX1230 DRAGONSKIN SAKU		-M50 CTPP235 -M50 DPX1235 DRAGONSKIN SAKU	
		Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
1706ABSR	0,8	51 005 270	21,85	51 005 070	21,85	51 005 020	21,85	51 005 120	21,85
Steel		●		●		●		●	
Stainless steel						○		○	
Cast iron									
Non ferrous metals									
Heat resistant alloys									

SAKU

CERATIZIT \ Performance

ISO	RE mm	-M50 CTPM225 -M50 DPX2225 DRAGONSKIN SAKU		-M50 CTCM235 -M50 DCX2235 DRAGONSKIN SAKU		-M50 CTPM240 -M50 DPX2240 DRAGONSKIN SAKU		-M50 CTCK215 -M50 DCX3215 DRAGONSKIN SAKU		-M50 CTPK220 -M50 DPX3220 DRAGONSKIN SAKU		-R50 CTCK215 -R50 DCX3215 DRAGONSKIN SAKU		-R50 CTPK220 -R50 DPX3220 DRAGONSKIN SAKU	
		Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
1706ABSR	0,8	51 005 220	21,85	51 005 320	21,85	51 005 420	21,85	51 005 520	21,85	51 005 620	21,85	51 058 520	21,85	51 058 620	21,85
Steel		○		○		○		○		○		○		○	
Stainless steel		●		●		●									
Cast iron								●		●		●		●	
Non ferrous metals															
Heat resistant alloys															



Dragonskin Coating

DRAGONSKIN

The coatings for the highest performance

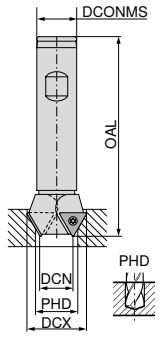
The product category Dragonskin is intended to help make tools easily recognizable and quick to find using CERATIZIT's high-performance coating technology. All products that are marked with the Dragonskin icon represent unmatchable performance, maximum tool life and maximum process reliability.

Insert countersink 90°

Supply details:

Indexable insert countersink including clamping screws

KOMET \ Performance



WPS



DCX	DCN	PHD	ZEFP	DCONMS	OAL	Insert	Article no.	EUR
mm	mm	mm		mm	mm			
19	7	9,5	2	16	100	TOHX 090204	30 196 19000	121,00
23	11	12,0	2	16	100	TOHX 090204	30 196 23000	121,00
26	11	12,0	1	16	100	TOHX 090204	30 196 26000	121,00
30	12	13,0	2	20	100	TOHX 140305	30 196 30000	132,00
34	16	17,0	2	20	100	TOHX 140305	30 196 34000	132,00
37	19	20,0	2	20	100	TOHX 140305	30 196 37000	132,00



TORX® Screws

Key D

Spare parts

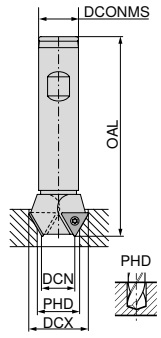
Insert		EUR	Article no.		EUR	Article no.
TOHX 090204	M2,6x6,2 - 08IP	2,45	62 950 09900	T08 - IP	8,16	80 950 125
TOHX 140305	M3,5x7,3 - 10IP	2,45	62 950 12600	T10 - IP	9,26	80 950 127

Insert countersink 60°

Supply details:

Indexable insert countersink including clamping screws

KOMET \ Performance



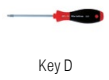
WPS



DCX	DCN	PHD	ZEFP	DCONMS	OAL	Insert	Article no.	EUR
mm	mm	mm		mm	mm			
16,5	8,1	8,5	1	16	100	TOHX 090204	30 197 16500	121,00
20,0	11,6	12,0	2	16	100	TOHX 090204	30 197 20000	121,00
22,0	13,6	14,0	2	16	100	TOHX 090204	30 197 22000	132,00
23,5	15,1	15,5	2	16	100	TOHX 090204	30 197 23500	132,00
25,5	17,1	17,5	2	16	100	TOHX 090204	30 197 25500	132,00



TORX® Screws



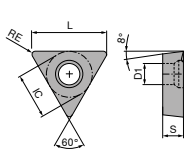
Key D

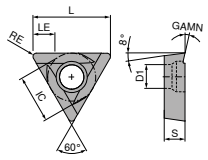
Spare parts

Insert		EUR	Article no.		EUR	Article no.
TOHX 090204	M2,6x6,2 - 08IP	2,45	62 950 09900	T08 - IP	8,16	80 950 125
TOHX 090204	M2,6x5,2 - 08IP	2,45	62 950 12000	T08 - IP	8,16	80 950 125

TOHX

Designation	L	S	D1	IC
	mm	mm	mm	mm
TOHX 06T1..	6,50	1,80	2,2	4,0
TOHX 0902..	9,12	2,50	2,8	5,6
TOHX 1403..	13,62	3,00	3,8	8,2

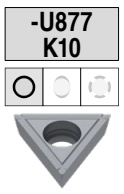




TOHX

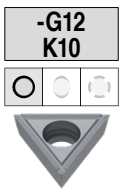
KOMET \ Performance

-U877 K10



F

-G12 K10



F

-U877 BK8425



F

-G06 BK8425



F

-G12 BK8425



F

ISO	RE	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
	mm										
06T103EL	0,3									62 603 30200	14,20
090204EL	0,4									62 603 31800	16,06
090204EN	0,4	62 604 51400	14,20			62 604 31400	16,06			62 603 31400	16,54
090204FN	0,4			62 603 51600	13,57						
140304EL	0,4									62 603 32600	18,11
140305EN	0,5							62 602 33000	18,57		
140305FN	0,5			62 603 52800	15,83						
Steel						●		●		●	
Stainless steel						●		●		●	
Cast iron						●		●		●	
Non ferrous metals		●		●							
Heat resistant alloys		●		●							



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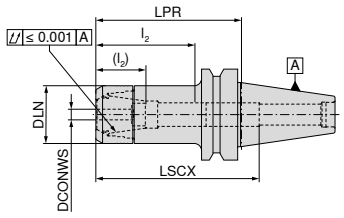
ER Precision Collet chuck – Centro-P

- for standard or sealed nuts
- maximum size collet to ISO tolerance field H10
- for clamping a roll key is required
- p_{max} = 80 bar
- also available with Balluff chip **on request**

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P **WNT** \ Performance





AD

G 2,5 n_{max} 25000

Adapter	DCONWS	LPR	DLN	LSCX	l_2 (l_2)	for collet	Article no.	EUR
	mm	mm	mm	mm	mm			
BT 40	1 - 10	75	30	90	38 - 53 (29 - 39)	426E (ER16)	84 524 210	84,48
BT 40	1 - 10	90	30	120	30 - 50 (29 - 36)	426E (ER16)	84 524 310	100,11
BT 40	1 - 10	120	30	140	29 - 45 (29 - 35)	426E (ER16)	84 524 410	136,31
BT 40	1 - 10	150	30	180	29 - 45 (29 - 32)	426E (ER16)	84 524 510	146,96
BT 40	2 - 16	60	40	92	44 - 64 (36 - 46)	430E (ER25)	84 524 116	95,85
BT 40	2 - 16	75	40	100	42 - 59 (36 - 41)	430E (ER25)	84 524 216	84,48
BT 40	2 - 16	90	40	91	42 - 59 (36 - 41)	430E (ER25)	84 524 316	100,11
BT 40	2 - 16	120	40	91	40 - 65 (36 - 47)	430E (ER25)	84 524 416	146,96
BT 40	2 - 16	150	40	100	40 - 64 (36 - 45)	430E (ER25)	84 524 516	157,61
BT 40	2 - 16	200	40	150	40 - 64 (36 - 45)	430E (ER25)	84 524 616	181,04
BT 40	2 - 20	60	50	55	45 - 64 (42 - 46)	470E (ER32)	84 524 120	95,85
BT 40	2 - 20	75	50	100	42 - 76 (42 - 52)	470E (ER32)	84 524 220	84,48
BT 40	2 - 20	90	50	100	42 - 76 (42 - 52)	470E (ER32)	84 524 320	100,11
BT 40	2 - 20	120	50	110	42 - 71 (42 - 53)	470E (ER32)	84 524 420	146,96
BT 40	2 - 20	150	50	110	42 - 71 (42 - 53)	470E (ER32)	84 524 520	157,61

LSCX = clamping depth without back stop screw for shanks
l_2 = with back stop screw 1, dimension in brackets ( ) = with back stop screw 2
dimension LPR when using tightening nuts with seals 4 mm longer

Roll key

- Version CP = for Centro-P lock nuts
- Version STD = for standard lock nuts
- Version HDC = for HDC lock nuts

WNT \ Performance

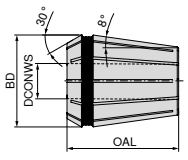


for lock nut	DLN	Article no.	EUR
	mm		
426E / ER 16 CP	30	84 950 027	66,26
430E / ER 25 CP	40	84 950 054	77,67
470E / ER 32 CP + STD / OZ 462E CP	50	84 950 056	72,82

ER precision collet for precision collet chucks – Centro-P

- DIN ISO 15488-B (old DIN 6499-B)
- 12 times slotted
- Double taper collet
- Coloured ring as identification of precision collet
- ER08: 5 µm runout and repeatability
- Coated precision collet

ER-B 20 µm **WNT** \ Performance



DCONWS	BD = 17 OAL = 27,5 426 E / ER16		BD = 26 OAL = 34 430 E / ER25		BD = 33 OAL = 40 470 E / ER32	
	Article no.		Article no.		Article no.	
mm		EUR		EUR		EUR
1,0	84 596 010	54,30				
1,1	84 596 011	97,11				
1,2	84 596 012	97,11				
1,4	84 596 014	97,11				
1,5	84 596 015	54,30				
1,6	84 596 016	97,11				
1,8	84 596 018	97,11				
2,0	84 596 020	46,38	84 597 020	48,00	84 598 020	49,10
2,2	84 596 022	86,20				
2,4	84 596 024	86,20				
2,5	84 596 025	46,38	84 597 025	48,00		
2,6	84 596 026	86,20				
2,8	84 596 028	86,20				
3,0	84 596 030	39,28	84 597 030	40,38	84 598 030	40,93
3,2	84 596 032	76,38				
3,4	84 596 034	67,63				
3,5	84 596 035	50,01	84 597 035	52,38		
3,6	84 596 036	76,38				
3,8	84 596 038	76,38				
4,0	84 596 040	39,28	84 597 040	40,38	84 598 040	40,93
4,5	84 596 045	50,01	84 597 045	52,38		
5,0	84 596 050	39,28	84 597 050	40,38	84 598 050	40,93
5,5	84 596 055	50,01	84 597 055	52,38		
5,6	84 596 056	76,38				
6,0	84 596 060	39,28	84 597 060	40,38	84 598 060	40,93
6,3	84 596 063	76,38				
6,5	84 596 065	50,01	84 597 065	52,38		
7,0	84 596 070	39,28	84 597 070	40,38	84 598 070	40,93

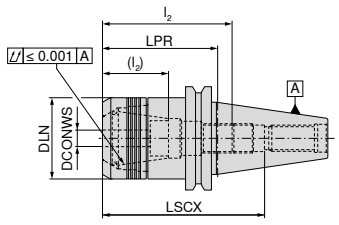
ER Precision Collet chuck – Centro-P

- for standard or sealed nuts
- maximum size collet to ISO tolerance field H10
- for clamping a roll key is required
- p_{max} = 80 bar
- also available with Balluff chip **on request**

Scope of supply:

Holder **without** nut, **without** backstop

Centro-P **WNT** \ Performance





AD/B

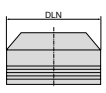
G 2,5 n_{max} 25000

Adapter	DCONWS	LPR	DLN	LSCX	l_2 (l_2)	for collet	Article no.	EUR
	mm	mm	mm	mm	mm			
SK 40	1 - 10	130	30	140	28 - 50 (14 - 34)	426E (ER16)	84 414 510	138,46
SK 40	1 - 10	160	30	200	28 - 45 (16 - 31)	426E (ER16)	84 414 910	152,81
SK 40	2 - 16	45	40	85	35 - 60 (20 - 42)	430E (ER25)	84 414 816	125,74
SK 40	2 - 16	130	40	140	38 - 67 (21 - 49)	430E (ER25)	84 414 516	150,48
SK 40	2 - 16	160	40	118	35 - 60 (20 - 42)	430E (ER25)	84 414 916	158,53
SK 40	2 - 20	130	50	114	50 - 74 (36 - 55)	470E (ER32)	84 414 620	150,48
SK 40	2 - 20	160	50	119	52 - 70 (32 - 52)	470E (ER32)	84 414 920	158,53
SK 50	2 - 20	100	50	150	53 - 81 (35 - 63)	470E (ER32)	84 414 520	257,55
SK 50	2 - 20	160	50	200	53 - 83 (35 - 65)	470E (ER32)	84 414 720	419,53

Your local Technical Sales Engineer carries a Demo Kit in his car - ASK FOR A DEMO

ER standard lock nut for precision collet chucks – Centro-P

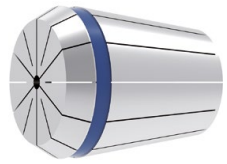
WNT \ Performance





for seals

for collet	DCONWS	DLN	TQX	Article no.	EUR
	mm	mm	Nm		
426E (ER16)	1 - 10	30	80	84 950 001	32,70
430E (ER25)	2 - 16	40	90	84 950 003	36,33
470E (ER32)	2 - 20	50	180	84 950 005	39,96



DCONWS	BD = 17 OAL = 27,5 426 E / ER16		BD = 26 OAL = 34 430 E / ER25		BD = 33 OAL = 40 470 E / ER32	
	Article no.		Article no.		Article no.	
mm		EUR		EUR		EUR
7,1	84 596 071	76,38				
7,5	84 596 075	50,01	84 597 075	52,38		
8,0	84 596 080	39,28	84 597 080	40,38	84 598 080	40,93
8,5	84 596 085	50,01	84 597 085	52,38		
9,0	84 596 090	39,28	84 597 090	40,38	84 598 090	40,93
9,5	84 596 095	50,01	84 597 095	52,38		
10,0	84 596 100	39,28	84 597 100	40,38	84 598 100	40,93
10,5			84 597 105	52,38		
11,0			84 597 110	40,38	84 598 110	40,93
11,5			84 597 115	52,38		
12,0			84 597 120	40,38	84 598 120	40,93
12,5			84 597 125	52,38		
13,0			84 597 130	40,38	84 598 130	40,93
13,5			84 597 135	52,38		
14,0			84 597 140	40,38	84 598 140	40,93
14,5			84 597 145	52,38		
15,0			84 597 150	40,38	84 598 150	40,93
15,5			84 597 155	52,38		
16,0			84 597 160	40,38	84 598 160	40,93
17,0					84 598 170	40,93
18,0					84 598 180	40,93
19,0					84 598 190	40,93
20,0					84 598 200	40,93

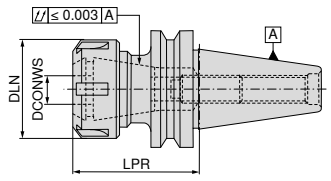
Clamping range covered: H10 corresponding to shank Ø DCONWS

ER-Collet chuck

▲ also available with Balluff chip **on request**

Scope of supply:
Holder with lock nut and adjustable back stop

WNT \ Standard







AD/B
G 2,5 n_{max} 18000

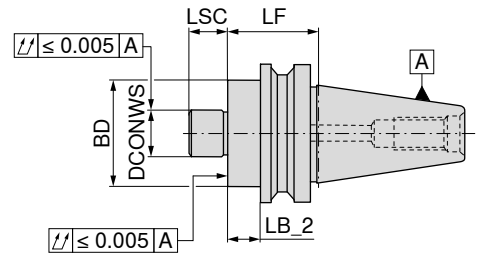
	Adapter	DCONWS	LPR	DLN	TQX	for collet	Article no.	EUR
		mm	mm	mm	Nm			
short	BT 40	1 - 10	60	32	56	426E (ER16)	82 509 110	61,77
	BT 40	1 - 16	70	42	104	430E (ER25)	82 509 116	61,77
	BT 40	2 - 20	70	50	136	470E (ER32)	82 509 120	61,77
	BT 40	3 - 26	70	63	176	472E (ER40)	82 509 126	63,57
long	BT 40	1 - 10	120	32	56	426E (ER16)	82 509 410	69,04
	BT 40	1 - 16	120	42	104	430E (ER25)	82 509 416	69,04
	BT 40	2 - 20	120	50	136	470E (ER32)	82 509 420	69,04

Shell mill adapter

▲ With fixed drive dogs and enlarged contact face for milling cutters with transverse groove
▲ also available with Balluff chip **on request**

Scope of supply:
Toolholder with retaining screw

WNT \ Standard







AD/B
G 6,3 n_{max} 8000

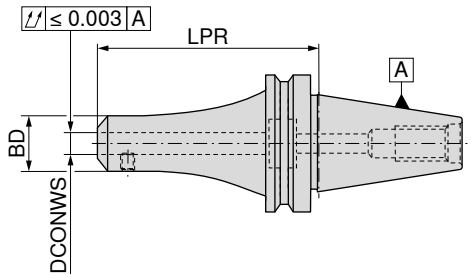
	Adapter	DCONWS	LB_2	LF	BD	LSC	Article no.	EUR
		mm	mm	mm	mm	mm		
short	BT 40	16	25	52	38	17	82 514 116	66,02
	BT 40	22	25	52	48	19	82 514 122	71,84
	BT 40	27	25	52	58	21	82 514 127	72,67
	BT 40	32	23	50	78	24	82 514 132	76,67
	BT 40	40	23	50	88	27	82 514 140 [1)]	83,31

1) with cross screw and 4 holes M12, Pitch Circle diameter = 66.7 mm, coolant outlet on the outer diameter of the spigot (DCONWS)!

Cylindrical shank adapter (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat
▲ also available with Balluff chip **on request**

WNT \ Standard







AD/B
G 2,5 n_{max} 18000



AD/Be
G 2,5 n_{max} 18000

	Adapter	DCONWS $_{H4}$	LPR	BD	Article no.	EUR	Article no.	EUR
		mm	mm	mm				
short	BT 40	6	50	25	82 501 106	58,15	82 504 106	76,30
	BT 40	8	50	28	82 501 108	58,15	82 504 108	76,30
	BT 40	10	63	35	82 501 110	58,15	82 504 110	76,30
	BT 40	12	63	42	82 501 112	58,15	82 504 112	76,30
	BT 40	14	63	44	82 501 114	58,15	82 504 114	76,30
	BT 40	16	63	48	82 501 116	58,15	82 504 116	76,30
	BT 40	18	63	50	82 501 118	58,15	82 504 118	76,30
	BT 40	20	63	52	82 501 120	58,15	82 504 120	76,30
	BT 40	25	100	65	82 501 125	58,15		
	BT 40	32	100	72	82 501 132	58,15		
long	BT 40	6	100	25	82 501 506	61,77		
	BT 40	8	100	28	82 501 508	61,77		
	BT 40	10	100	35	82 501 510	61,77		
	BT 40	12	100	42	82 501 512	61,77		
	BT 40	14	100	44	82 501 514	61,77		
	BT 40	16	100	48	82 501 516	61,77		
	BT 40	18	100	50	82 501 518	61,77		
	BT 40	20	100	52	82 501 520	61,77		
extra-long	BT 40	6	160	25	82 501 606	65,41		
	BT 40	8	160	28	82 501 608	65,41		
	BT 40	10	160	35	82 501 610	65,41		
	BT 40	12	160	42	82 501 612	65,41		
	BT 40	14	160	44	82 501 614	65,41		
	BT 40	16	160	48	82 501 616	65,41		
	BT 40	18	160	50	82 501 618	65,41		
	BT 40	20	160	52	82 501 620	65,41		
	BT 40	25	160	65	82 501 625	65,41		

Spare parts can be found in → **Main catalogue, chapter 16.**

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Freephone: 1800 93 22 55

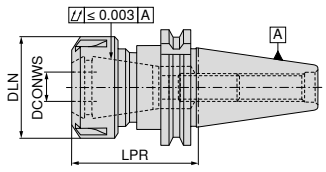
Ordering via the Online Shop
http://cuttingtools.ceratizit.com

ER Collet chuck

▲ also available with Balluff chip **on request**

Scope of supply:
Holder with lock nut and adjustable back stop

WNT \ Standard





AD/B
G 2,5 n_{max} 18000

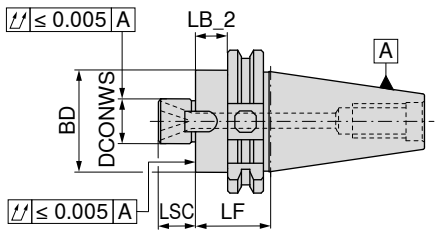
	Adapter	DCONWS	LPR	DLN	TQX	for collet	Article no.	EUR
		mm	mm	mm	Nm			
short	SK 40	1 - 10	60	32	56	426E (ER16)	82 415 110	61,77
	SK 40	1 - 16	70	42	104	430E (ER25)	82 415 116	61,77
	SK 40	2 - 20	70	50	136	470E (ER32)	82 415 120	61,77
	SK 40	3 - 26	70	63	176	472E (ER40)	82 415 126	63,57
long	SK 40	1 - 10	120	32	56	426E (ER16)	82 415 410	69,04
	SK 40	1 - 16	120	42	104	430E (ER25)	82 415 416	69,04
	SK 40	2 - 20	120	50	136	470E (ER32)	82 415 420	69,04

Shell mill adapter

▲ Screwed drive dogs
▲ also available with Balluff chip **on request**

Scope of supply:
Toolholder with retaining screw

WNT \ Standard





AD/B
G 6,3 n_{max} 8000

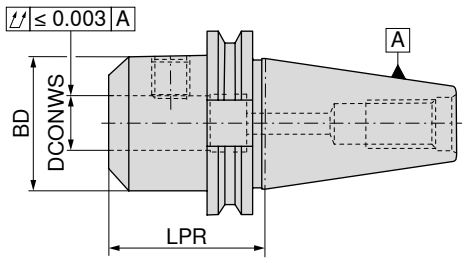
	Adapter	DCONWS	LB_2	LF	BD	LSC	Article no.	EUR
		mm	mm	mm	mm	mm		
short	SK 40	16	25	44	38	17	82 428 116	66,02
	SK 40	22	25	44	48	19	82 428 122	71,84
	SK 40	27	36	55	58	21	82 428 127	72,67
	SK 40	32	31	50	78	24	82 428 132	76,67
	SK 40	40	31	50	88	27	82 428 140 [1]	83,31

1) with cross screw and 4 holes M12, Pitch Circle diameter = 66.7 mm, coolant outlet on the outer diameter of the spigot (DCONWS)!

Cylindrical shank adapter (Weldon)

▲ For shanks according to DIN 6535 HB / 1835 B with lateral clamping flat
▲ also available with Balluff chip **on request**

WNT \ Standard





AD/B
G 2,5 n_{max} 18000

AD/Be
G 2,5 n_{max} 18000

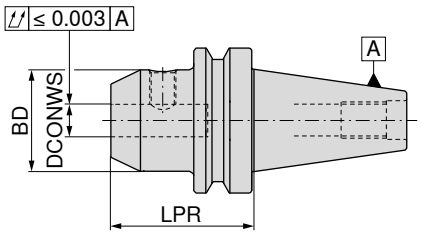
	Adapter	DCONWS $_{H4}$	LPR	BD	Article no.	EUR	Article no.	EUR
		mm	mm	mm				
short	SK 40	6	50	25	82 401 106	58,15	82 404 106	76,30
	SK 40	8	50	28	82 401 108	58,15	82 404 108	76,30
	SK 40	10	50	35	82 401 110	58,15	82 404 110	76,30
	SK 40	12	50	42	82 401 112	58,15	82 404 112	76,30
	SK 40	14	50	44	82 401 114	58,15	82 404 114	76,30
	SK 40	16	63	48	82 401 116	58,15	82 404 116	76,30
	SK 40	18	63	50	82 401 118	58,15	82 404 118	76,30
	SK 40	20	63	52	82 401 120	58,15	82 404 120	76,30
	SK 40	25	100	65	82 401 125	58,15		
	SK 40	32	100	72	82 401 132	58,15		
long	SK 40	6	100	25	82 401 506	61,77		
	SK 40	8	100	28	82 401 508	61,77		
	SK 40	10	100	35	82 401 510	61,77		
	SK 40	12	100	42	82 401 512	61,77		
	SK 40	14	100	44	82 401 514	61,77		
	SK 40	16	100	48	82 401 516	61,77		
	SK 40	18	100	50	82 401 518	61,77		
	SK 40	20	100	52	82 401 520	61,77		
extra-long	SK 40	6	160	25	82 401 606	65,41		
	SK 40	8	160	28	82 401 608	65,41		
	SK 40	10	160	35	82 401 610	65,41		
	SK 40	12	160	42	82 401 612	65,41		
	SK 40	14	160	44	82 401 614	65,41		
	SK 40	16	160	48	82 401 616	65,41		
	SK 40	18	160	50	82 401 618	65,41		
	SK 40	20	160	52	82 401 620	65,41		
	SK 40	25	160	65	82 401 625	65,41		

Spare parts can be found in → **Main catalogue, chapter 16.**

Cylindrical shank adapter (Weldon) – BT-FC

- with face contact
- for shanks according to DIN 6535 / 1835 B with lateral clamping flat
- also available with Balluff chip **on request**

WNT \ Standard





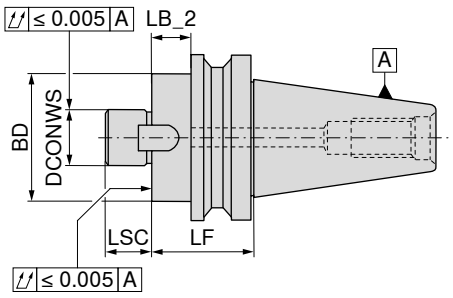
AD
G 2,5 n_{max} 25000

	Adapter	DCONWS $_{H4}$	LPR	BD	Article no.	
		mm	mm	mm		EUR
short	BT-FC 30	6	50	25	84 552 006	63,66
	BT-FC 30	8	50	28	84 552 008	63,66
	BT-FC 30	10	50	35	84 552 010	63,66
	BT-FC 30	12	50	42	84 552 012	63,66
	BT-FC 30	16	63	48	84 552 016	68,29
	BT-FC 30	20	63	52	84 552 020	68,29
	BT-FC 40	6	50	25	84 552 106	80,66
	BT-FC 40	8	50	28	84 552 108	78,05
	BT-FC 40	10	63	35	84 552 110	78,05
	BT-FC 40	12	63	42	84 552 112	78,05
	BT-FC 40	16	63	48	84 552 116	78,05
	BT-FC 40	20	63	52	84 552 120	78,05
	BT-FC 40	25	90	65	84 552 125	103,76
	BT-FC 40	32	100	72	84 552 132	103,76
	BT-FC 50	6	63	25	84 552 306	119,71
	BT-FC 50	8	63	28	84 552 308	116,18
	BT-FC 50	10	63	35	84 552 310	116,18
	BT-FC 50	12	80	42	84 552 312	116,18
	BT-FC 50	16	80	48	84 552 316	116,18
	BT-FC 50	20	80	52	84 552 320	116,18
	BT-FC 50	25	100	65	84 552 325	133,00
	BT-FC 50	32	105	72	84 552 332	133,00

Shell mill adapter – BT-FC

- with face contact
- with fixed drive dogs and enlarged contact face for milling cutters with transverse slot
- also available with Balluff chip **on request**

WNT \ Standard





AD
G 6,3 n_{max} 15000

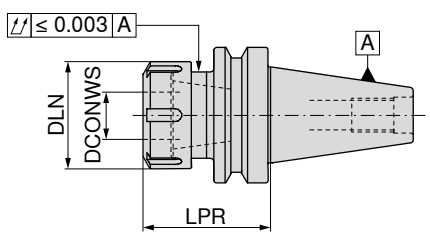
	Adapter	DCONWS	LB_2	LF	BD	LSC	Article no.	
		mm	mm	mm	mm	mm		EUR
short	BT-FC 30	16	18	39,0	40	17	84 562 016	70,06
	BT-FC 30	22	18	39,0	50	19	84 562 022	70,06
	BT-FC 30	27	18	39,0	60	21	84 562 027	70,06
	BT-FC 30	32	28	49,0	80	24	84 562 032	70,06
	BT-FC 40	16	8	34,0	40	17	84 562 116	84,26
	BT-FC 40	22	8	34,0	50	19	84 562 122	84,26
	BT-FC 40	27	8	34,0	60	21	84 562 127	84,26
	BT-FC 40	32	23	49,0	80	24	84 562 132	84,26
	BT-FC 40	40	23	49,0	89	27	84 562 140	84,26
	BT-FC 50	22	12	48,5	50	19	84 562 322	97,54
	BT-FC 50	27	12	48,5	60	21	84 562 327	97,54
	BT-FC 50	32	12	48,5	80	24	84 562 332	103,76
	BT-FC 50	40	17	53,5	89	27	84 562 340	103,76

ER Collet chuck – BT-FC

- with face contact
- also available with Balluff chip **on request**

Scope of supply:
Toolholder including nut

WNT \ Standard





AD
G 2,5 n_{max} 20000

	Adapter	DCONWS	LPR	DLN	TQX	for collet	Article no.	
		mm	mm	mm	Nm			EUR
short	BT-FC 30	1 - 10	63	28	56	426E (ER16)	84 557 010	71,83
	BT-FC 30	1 - 16	60	42	104	430E (ER25)	84 557 016	71,83
	BT-FC 30	2 - 20	60	50	136	470E (ER32)	84 557 020	71,83
	BT-FC 40	1 - 10	63	28	56	426E (ER16)	84 557 110	90,48
	BT-FC 40	1 - 16	60	42	104	430E (ER25)	84 557 116	90,48
	BT-FC 40	2 - 20	60	50	136	470E (ER32)	84 557 120	90,48
	BT-FC 50	1 - 16	70	42	104	430E (ER25)	84 557 316	123,24
	BT-FC 50	2 - 20	70	50	136	470E (ER32)	84 557 320	123,24
long	BT-FC 50	1 - 10	100	28	56	426E (ER16)	84 557 310	123,24

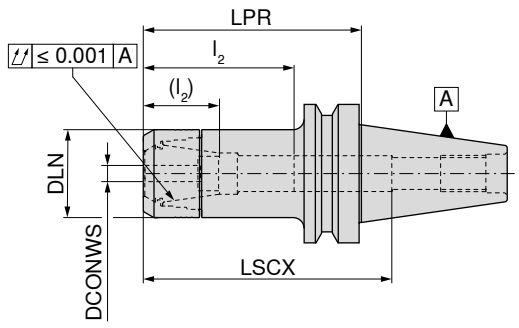
Spare parts can be found in → **Main catalogue, chapter 16.**

ER Precision Collet chuck – Centro-P – BT-FC

- with face contact
- for standard or sealed nuts
- maximum clamping range covered according to ISO tolerance field H10
- for clamping a roll key is required
- p_{max} = 80 bar
- also available with Balluff chip **on request**

Scope of supply:
Holder **without** nut, **without** backstop

Centro-P **WNT** \ Performance





AD
G 2,5 n_{max} 25000

Adapter	DCONWS	LPR	BD	LSCX	l_2 (l_2)	for collet	Article no.	
	mm	mm	mm	mm	mm			EUR
BT-FC 30	1 - 10	75	30	97	28 - 45 (14 - 31)	426E (ER16)	84 525 002	146,54
BT-FC 30	2 - 16	75	40	72	38 - 56 (23 - 39)	430E (ER25)	84 525 012	148,63
BT-FC 30	2 - 20	75	45	84	42 - 62 (24 - 45)	470E (ER32)	84 525 022	148,63
BT-FC 40	1 - 10	75	30	90	38 - 53 (29 - 39)	426E (ER16)	84 525 102	163,28
BT-FC 40	2 - 16	75	40	100	42 - 59 (36 - 41)	430E (ER25)	84 525 112	165,37
BT-FC 40	2 - 20	75	50	100	42 - 76 (42 - 52)	470E (ER32)	84 525 122	165,37

LSCX = clamping depth without back stop screw for shanks
l_2 = with back stop screw 1, dimension in brackets ( ) = with back stop screw 2
dimension LPR when using tightening nuts with seals 4 mm longer

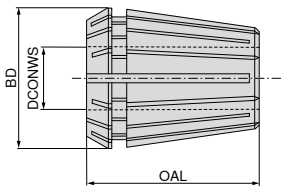
Customer Service Centre
Freephone: 1800 93 22 55

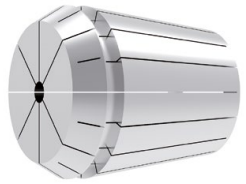
Ordering via the Online Shop
http://cuttingtools.ceratizit.com

ER precision collet

- ▲ DIN ISO 15488-B (old DIN 6499-B)
- ▲ Double taper collet
- ▲ 16 times slotted

ER-B 20 µm **WNT** \ Standard





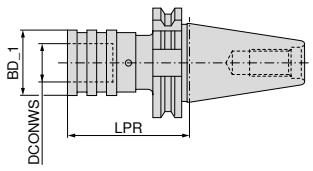
DCONWS mm		BD = 17 OAL = 27,5 426 E / ER16		BD = 21 OAL = 31,5 428 E / ER20		BD = 26 OAL = 34 430 E / ER25		BD = 33 OAL = 40 470 E / ER32		BD = 41 OAL = 46 472 E / ER40	
		Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR	Article no.	EUR
1		82 673 01000	15,41	82 674 01000 1)	15,06						
2		82 673 02000	15,41	82 674 02000	15,06	82 675 02000	15,53				
3		82 673 03000	12,65	82 674 03000	10,20	82 675 03000	10,73	82 676 03000	11,61	82 677 03000	14,66
4		82 673 04000	12,65	82 674 04000	10,20	82 675 04000	10,73	82 676 04000	11,61	82 677 04000	14,66
5		82 673 05000	12,65	82 674 05000	10,20	82 675 05000	10,73	82 676 05000	11,61	82 677 05000	14,66
6		82 673 06000	12,65	82 674 06000	10,20	82 675 06000	10,73	82 676 06000	11,61	82 677 06000	14,66
7		82 673 07000	12,65	82 674 07000	10,20	82 675 07000	10,73	82 676 07000	11,61	82 677 07000	14,66
8		82 673 08000	12,65	82 674 08000	10,20	82 675 08000	10,73	82 676 08000	11,61	82 677 08000	14,66
9		82 673 09000	12,65	82 674 09000	10,20	82 675 09000	10,73	82 676 09000	11,61	82 677 09000	14,66
10		82 673 10000	12,65	82 674 10000	10,20	82 675 10000	10,73	82 676 10000	11,61	82 677 10000	14,66
11				82 674 11000	10,20	82 675 11000	10,73	82 676 11000	11,61	82 677 11000	14,66
12				82 674 12000	10,20	82 675 12000	10,73	82 676 12000	11,61	82 677 12000	14,66
13				82 674 13000	10,20	82 675 13000	10,73	82 676 13000	11,61	82 677 13000	14,66
14						82 675 14000	10,73	82 676 14000	11,61	82 677 14000	14,66
15						82 675 15000	10,73	82 676 15000	11,61	82 677 15000	14,66
16						82 675 16000	10,73	82 676 16000	11,61	82 677 16000	14,66
17								82 676 17000	11,61	82 677 17000	14,66
18								82 676 18000	11,61	82 677 18000	14,66
19								82 676 19000	11,61	82 677 19000	14,66
20								82 676 20000	11,61	82 677 20000	14,66
21										82 677 21000	14,66
22										82 677 22000	14,66
23										82 677 23000	14,66
24										82 677 24000	14,66
25										82 677 25000	14,66
26										82 677 26000	14,66
	Set in a wooden box	82 673 99900	202,84	82 674 99900	202,84	82 675 99900	202,84			82 677 99900	341,40

1) not included in the set

Quick change tap chuck with length compensation

- ▲ With length compensation under tension and compression (LZD)
- ▲ also available with Balluff chip **on request**

WNT \ Standard





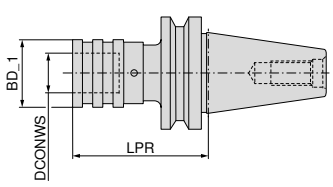


Adapter	cutting range	SZID	LPR mm	BD_1 mm	DCONWS mm	LZD± mm	Article no.	EUR
SK 30	M6 - M20	02	101	55	31	15	83 428 320	317,01
SK 30	M3 - M12	01	60	38	19	9	83 428 312	279,04
SK 40	M6 - M20	02	100	55	31	15	83 428 420	233,52
SK 40	M3 - M12	01	60	38	19	9	83 428 412	215,50
SK 50	M3 - M12	01	62	38	19	9	83 428 512	321,85
SK 50	M6 - M20	02	83	55	31	15	83 428 520	348,63

Quick change tap chuck with length compensation

- ▲ With length compensation under tension and compression (LZD)
- ▲ also available with Balluff chip **on request**

WNT \ Standard







Adapter	cutting range	SZID	LPR mm	BD_1 mm	DCONWS mm	LZD± mm	Article no.	EUR
BT 30	M3 - M12	01	63	38	19	9	83 528 312	280,52
BT 30	M6 - M20	02	96	55	31	15	83 528 320	351,80
BT 40	M3 - M12	01	68	38	19	9	83 528 412	225,08
BT 40	M6 - M20	02	93	55	31	15	83 528 420	233,52
BT 50	M3 - M12	01	80	38	19	9	83 528 512	377,20
BT 50	M6 - M20	02	102	55	31	15	83 528 520	434,24

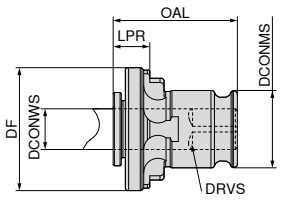
Technical support: 1800 93 22 55
3 time served engineers, available from 8:00 am to 6:30 pm, Monday to Friday

Order by 6:30 pm and get free,
guaranteed before 12 noon, next day delivery

Quick change tap adapter

- Normal version without overload clutch
- For mounting taps
- For right-hand and left-hand threads

WNT \ Standard







A

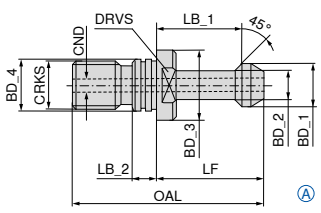
SZID	DCONWS	DRVS	DIN 371	DIN 374 / 376	DF	DCONMS	OAL	LPR	Article no.	EUR
	mm	mm			mm	mm	mm	mm		
01	3,5	2,7	M3		30	19	28,5	7	83 610 100	23,21
01	4,5	3,4	M4		30	19	28,5	7	83 610 101	23,21
01	4,0	3,0	M3,5		30	19	28,5	7	83 610 102	23,21
01	2,8	2,1	M2 - M2,6		30	19	28,5	7	83 610 103	23,21
01	5,5	4,3		M7	30	19	28,5	7	83 610 104	23,21
01	6,0	4,9	M4,5 - M6	M8	30	19	28,5	7	83 610 105	23,21
01	7,0	5,5	M7	M10	30	19	28,5	7	83 610 106	23,21
01	8,0	6,2	M8	M11	30	19	28,5	7	83 610 107	23,21
01	9,0	7,0	M9	M12	30	19	28,5	7	83 610 108	23,21
01	10,0	8,0	M10		30	19	28,5	7	83 610 109	23,21
01	11,0	9,0		M14	30	19	28,5	7	83 610 110	23,21
02	6,0	4,9	M4,5 - M6		46	31	46,0	11	83 610 200	31,91
02	7,0	5,5	M7		46	31	46,0	11	83 610 201	31,91
02	8,0	6,2	M8		46	31	46,0	11	83 610 202	31,91
02	9,0	7,0	M9		46	31	46,0	11	83 610 203	31,91
02	10,0	8,0	M10		46	31	46,0	11	83 610 204	31,91
02	11,0	9,0		M14	46	31	46,0	11	83 610 205	31,91
02	12,0	9,0		M16	46	31	46,0	11	83 610 206	31,91
02	14,0	11,0		M18	46	31	46,0	11	83 610 207	31,91
02	16,0	12,0		M20	46	31	46,0	11	83 610 208	31,91
02	18,0	14,5		M22 - M24	46	31	46,0	11	83 610 209	31,91

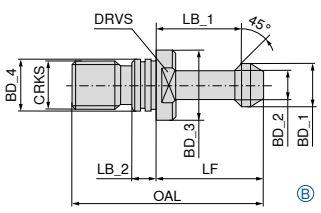
Pull stud for tool holders according to ISO 7388-2

- MAS-BT 45° Form A and B

Scope of supply:
including O-Ring

WNT \ Standard







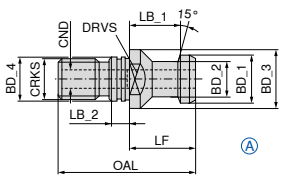
Adapter	BD_1	BD_2	BD_3	BD_4	CRKS	OAL	LF	LB_1	LB_2	CND	DRVS	TQX	form	Article no.	EUR	Article no.	EUR
	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	Nm					
BT 30	11	7	16,5	12,5	M12	43	23	18	4,0	2,2	13	60	A			82 534 030	10,47
BT 30	11	7	16,5	12,5	M12	43	23	18	4,0		13	60	B	82 530 030	10,47		
BT 40	15	10	23,0	17,0	M16	60	35	28	5,5	4,0	19	90	A			82 534 040	10,47
BT 40	15	10	23,0	17,0	M16	60	35	28	5,5		19	90	B	82 530 040	8,98		
BT 50	23	17	38,0	25,0	M24	85	45	35	8,0	6,0	30	145	A			82 534 050	13,48
BT 50	23	17	38,0	25,0	M24	85	45	35	8,0		30	145	B	82 530 050	12,73		

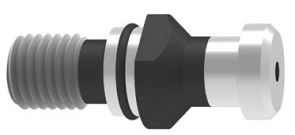
Pull studs for tool holders according to ISO 7388-1

- DIN 69872 form A and B
- For tools with or without axial coolant supply

Scope of supply:
including O-Ring

WNT \ Standard





Adapter	BD_1	BD_2	BD_3	BD_4	CRKS	OAL	LF	LB_1	LB_2	CND	DRVS	TQX	form	Article no.	EUR
	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	Nm			
SK 30	13	9	17	13	M12	44	24	19	5	3,5	14	60	A	82 468 030	8,54
SK 40	19	14	23	17	M16	54	26	20	7	7,0	19	90	A	82 468 040	7,27
SK 50	28	21	36	25	M24	74	34	25	10	11,5	30	145	A	82 468 050	10,79

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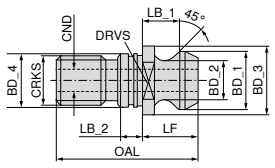
Pull studs for tool holders according to ISO 7388-1

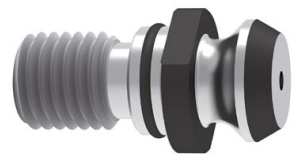
▲ Similar to ISO / DIS 7388 (ANSI-CAT only for SK 40) Form A

Scope of supply:

SK 50 including O-ring
SK 40 without O-ring groove

WNT \ Standard



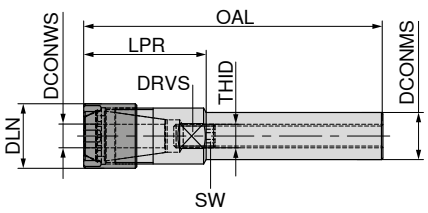


Adapter	BD_1	BD_2	BD_3	BD_4	CRKS	OAL	LF	LB_1	LB_2	CND	DRVS	TQX	Article no.	EUR
	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	Nm		
SK 40	18,79	12,44	22,5	17	M16	41,26	16,25	11,17	4,0	6,0	19	90	82 487 040	7,27
SK 50	29,10	19,60	37,0	25	M24	65,50	25,55	17,95	5,5	11,5	30	145	82 487 050	11,40

ER collet chuck with mini clamping nut

▲ with cylindrical shank

WNT \ Standard





AD

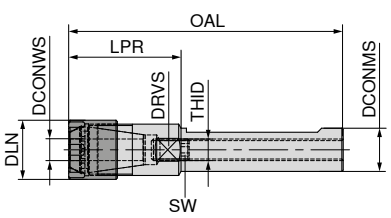
DCONMS h6	DCONWS	OAL	LPR	DLN	THID	DRVS	for collet	Article no.	EUR
mm	mm	mm	mm	mm		mm			
8	1 - 5	81	26	12		9	4004E (ER08)	83 453 081 [1]	74,76
12	1 - 5	157	20	12	M5x0,8	10	4004E (ER08)	83 453 122	158,11
16	1 - 7	185	25	16	M7,5x0,5	14	4008E (ER11)	83 453 163	155,34
16	1 - 10	117	37	22	M11x1	17	426E (ER16)	83 453 164	158,11
16	1 - 10	199	39	22	M8x1,25	17	426E (ER16)	83 453 165	155,34
20	1 - 10	168	28	22	M11x1	17	426E (ER16)	83 453 204	111,42
25	1 - 13	168	28	28	M14x1	22	428E (ER20)	83 453 254	128,90
25	1 - 16	189	39	35	M18x1	27	430E (ER25)	83 453 256	162,38

1) ohne Kühlmittelzufuhr (Form A)

ER collet chuck with mini clamping nut

▲ with cylindrical shank and clamping flat

WNT \ Standard





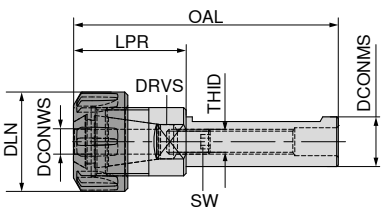
AD

DCONMS h6	DCONWS	OAL	LPR	DLN	THID	DRVS	for collet	Article no.	EUR
mm	mm	mm	mm	mm		mm			
20	1 - 10	168	28	22	M11x1	17	426E (ER16)	83 454 204	111,42
20	1 - 13	138	38	28	M11x1	22	428E (ER20)	83 454 206	80,11
20	1 - 16	146	46	35	M14x1	27	430E (ER25)	83 454 208	93,40
25	1 - 13	168	28	28	M14x1	22	428E (ER20)	83 454 254	128,90
25	1 - 16	189	39	35	M18x1	27	430E (ER25)	83 454 256	162,38

ER Collet Chuck

▲ with cylindrical shank and clamping flat

WNT \ Standard





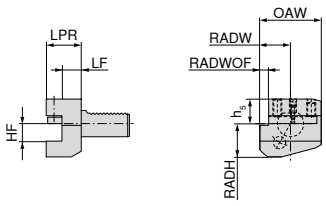
AD

DCONMS h6	DCONWS	OAL	LPR	DLN	THID	DRVS	for collet	Article no.	EUR
mm	mm	mm	mm	mm		mm			
40	2 - 20	100	35	50	M22x1,5	36	470E (ER32)	83 455 401	94,91
40	2 - 20	160	35	50	M22x1,5	36	470E (ER32)	83 455 402	117,19
40	3 - 30	139	59	63	M28x1,5	40	472E (ER40)	83 455 405	108,81

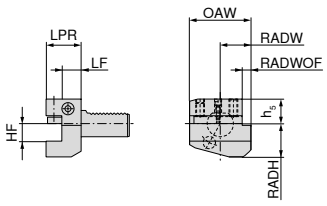
Note: Spanner to be ordered separately.

Radial tool holders, short

WNT \ Performance



B2



B1

B2



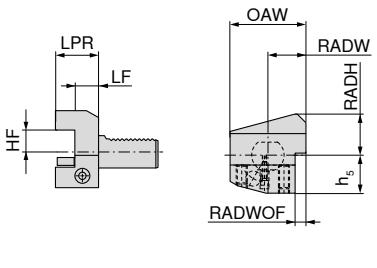
B1



DCONMS $_{h6}$	HF $_{0/-0,1}$	OAW	RADW	RADWOF	h_5	RADH	LF $_{0/+0,5}$	LPR	Left-hand Article no.	EUR	Right-hand Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm	mm				
16	12	42	23,0	5,0	20,0	22	13,0	24			82 185 160	106,87
20	16	55	30,0	7,0	25,0	30	16,0	30	82 189 200	91,22	82 185 200	97,38
20	16	55	30,0	7,0	25,0	30	26,0	40	82 189 201	118,91	82 185 201	112,37
30	20	70	35,0	10,0	28,0	38	18,5	40	82 189 300	98,79	82 185 300	89,56
30	20	70	35,0	10,0	28,0	38	42,0	60	82 189 301	156,20	82 185 301	148,24
40	25	85	42,5	12,5	32,5	48	18,5	44	82 189 400	100,10	82 185 400	91,40
50	32	100	50,0	16,0	35,0	60	30,0	55	82 189 500	155,21	82 185 500	152,66

Radial tool holders, overhead, short

WNT \ Performance



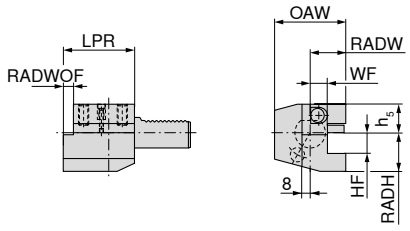
B3



DCONMS $_{h6}$	HF $_{0/-0,1}$	OAW	RADW	RADWOF	h_5	RADH	LF $_{0/+0,5}$	LPR	Right-hand Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm	mm		
16	12	42	23,0	5,0	20,0	22	13,0	24	82 193 160	112,65
20	16	55	30,0	7,0	25,0	30	16,0	30	82 193 200	97,38
20	16	55	30,0	7,0	25,0	30	26,0	40	82 193 201	141,38
25	16	55	30,0	7,0	25,0	30	16,0	30	82 193 250	156,78
30	20	70	35,0	10,0	35,0	38	18,5	40	82 193 300	92,28
30	20	70	35,0	10,0	35,0	38	42,0	60	82 193 301	156,20
40	25	85	42,5	12,5	42,5	48	18,5	44	82 193 400	97,59
50	32	100	50,0	16,0	50,0	60	30,0	55	82 193 500	155,21

Axial tool holders

WNT \ Performance



C1

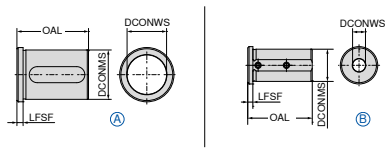


DCONMS $_{h6}$	HF $_{0/-0,1}$	OAW	RADW	WF $_{0/+0,3}$	h_5	RADH	LPR	RADWOF	Right-hand Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm	mm		
20	16	52	27,0	13,0	25,0	30	55	7,0	82 211 200	134,24
30	20	70	35,0	17,0	28,0	38	70	10,0	82 211 300	103,88
40	25	85	42,5	20,5	32,5	48	85	12,5	82 211 400	120,85
50	32	100	50,0	25,5	35,0	60	100	16,0	82 211 500	176,21

Reduction sleeves for direct clamping

▲ For tools with cylindrical shank

WNT \ Performance

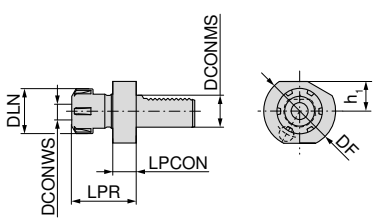




DCONMS	DCONWS	OAL	LFSF	Fig.	Article no.	EUR
mm	mm	mm	mm			
25	12	50	4	B	83 272 262	60,79
25	10	50	4	B	83 272 260	60,79
25	16	50	4	A	83 272 266	60,79
25	8	50	4	B	83 272 258	60,79
25	20	50	4	A	83 272 270	60,79
25	6	50	4	B	83 272 256	79,72
32	6	58	5	B	83 272 326	82,26
32	16	58	5	A	83 272 336	62,51
32	12	58	5	B	83 272 332	62,51
32	20	58	5	A	83 272 340	62,51
32	10	58	5	B	83 272 330	62,51
32	25	58	5	A	83 272 345	62,51
32	8	58	5	B	83 272 328	82,26
40	8	58	5	B	83 272 408	99,94
40	20	58	5	A	83 272 420	82,26
40	16	58	5	A	83 272 416	82,26
40	25	58	5	A	83 272 425	82,26
40	12	58	5	B	83 272 412	82,26
40	32	58	5	A	83 272 432	82,26
40	10	58	5	B	83 272 410	82,26
50	12	75	5	B	83 272 512	92,81
50	25	75	5	A	83 272 525	92,81
50	32	75	5	A	83 272 532	92,81
50	20	75	5	A	83 272 520	92,81
50	40	75	5	A	83 272 540	92,81
50	16	75	5	A	83 272 516	92,81

ER Collet chucks

WNT \ Performance



E4

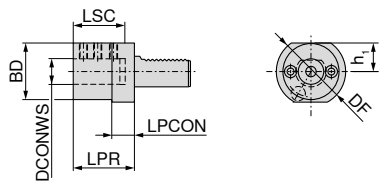


DCONMS $_{h6}$	DCONWS	DF	DLN	h_1	LPR	LPCON	for collet	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm			
16	1 - 10	40	28	18,0	45,5	14	426E (ER16)	82 286 160	154,08
16	1 - 13	40	34	18,0	44,0	14	428E (ER20)	82 286 161	152,47
20	1 - 16	50	42	23,0	57,0	18	430E (ER25)	82 286 202	125,51
20	2 - 20	50	50	23,0	62,0	18	470E (ER32)	82 286 203	131,22
30	1 - 16	68	42	28,0	57,0	22	430E (ER25)	82 286 300	123,88
30	2 - 20	68	50	28,0	75,0	22	470E (ER32)	82 286 301	124,00
40	1 - 16	83	42	32,5	63,0	22	430E (ER25)	82 286 400	134,33
40	2 - 20	83	50	32,5	75,0	22	470E (ER32)	82 286 401	134,33
40	3 - 26	83	63	32,5	75,0	22	472E (ER40)	82 286 402	131,92
50	2 - 20	94	50	35,0	75,0	30	470E (ER32)	82 286 500	195,64
50	3 - 26	94	63	35,0	63,0	30	472E (ER40)	82 286 501	195,64

Boring bar holder

▲ for turning tools with cylindrical shank
▲ Coolant supply either through the tool or via the ball-shaped spray nozzle

WNT \ Performance



E2



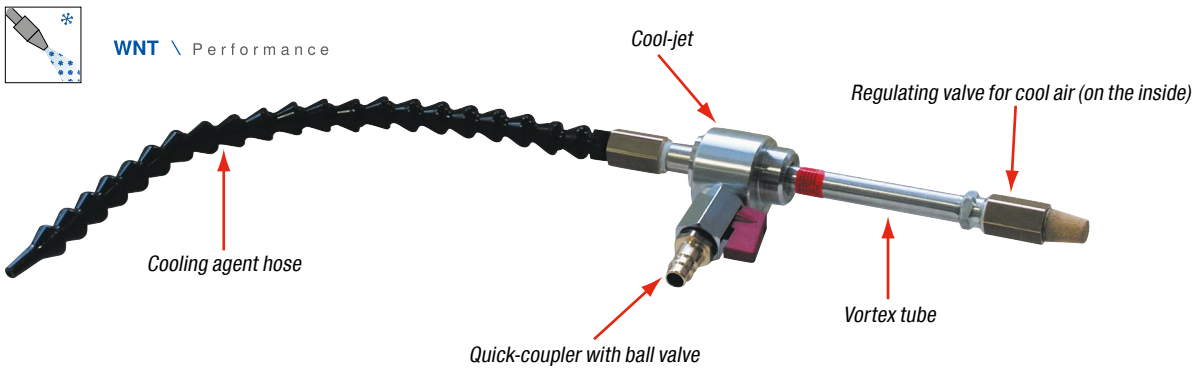
DCONMS $_{h6}$	DCONWS $_{H7}$	DF	BD	h_1	LPR	LPCON	LSC	Article no.	EUR
mm	mm	mm	mm	mm	mm	mm	mm		
16	6	40	32	18,0	44	13	34	82 268 160 [1]	132,17
16	8	40	32	18,0	44	13	34	82 268 161 [1]	100,86
16	10	40	32	18,0	44	13	34	82 268 162 [1]	100,86
16	12	40	40	18,0	44	13	34	82 268 163 [1]	100,86
16	16	40	40	18,0	44	13	34	82 268 164 [1]	100,86
20	8	50	40	23,0	50	18	41	82 268 200	93,78
20	10	50	40	23,0	50	18	41	82 268 201	93,78
20	12	50	40	23,0	50	18	41	82 268 202	93,78
20	16	50	40	23,0	50	18	41	82 268 203	93,78
20	20	50	50	23,0	50	18	41	82 268 204	93,78
20	25	50	50	23,0	60	18	51	82 268 205	93,78
25	8	58	40	25,0	50	18	41	82 268 250	152,91
25	10	58	40	25,0	50	18	41	82 268 251	152,91
25	12	58	40	25,0	50	18	41	82 268 252	152,91
25	16	58	40	25,0	50	18	41	82 268 253	152,91
25	20	58	58	25,0	50	18	41	82 268 254	152,91
25	25	58	58	25,0	60	18	51	82 268 255	152,91
30	8	68	55	28,0	60	22	51	82 268 300	91,40
30	10	68	55	28,0	60	22	51	82 268 301	91,40
30	12	68	55	28,0	60	22	51	82 268 302	91,40
30	16	68	55	28,0	60	22	51	82 268 303	91,40
30	20	68	55	28,0	60	22	51	82 268 304	91,40
30	25	68	55	28,0	60	22	51	82 268 305	91,40
30	32	68	68	28,0	75	22	61	82 268 306	91,40
40	8	83	55	32,5	75	22	61	82 268 400	93,17
40	10	83	55	32,5	75	22	61	82 268 401	93,17
40	12	83	55	32,5	75	22	61	82 268 402	93,17
40	16	83	55	32,5	75	22	61	82 268 403	93,17
40	20	83	55	32,5	75	22	61	82 268 404	93,17
40	25	83	55	32,5	75	22	61	82 268 405	93,17
40	32	83	83	32,5	75	22	61	82 268 406	93,17
40	40	83	83	32,5	90	22	76	82 268 407	93,17
50	12	98	68	35,0	90	30	76	82 268 500	134,21
50	16	98	68	35,0	90	30	76	82 268 501	134,21
50	20	98	68	35,0	90	30	76	82 268 502	134,21
50	25	98	68	35,0	90	30	76	82 268 503	128,67
50	32	98	68	35,0	90	30	76	82 268 504	128,67
50	40	98	98	35,0	90	30	76	82 268 505	128,67
50	50	98	98	35,0	100	30	86	82 268 506	128,67

1) Coolant supply through pipe joint

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Cool-jet



Utilizable air temperature measured at the effective discharge of the vortex tube (not the nozzle end)

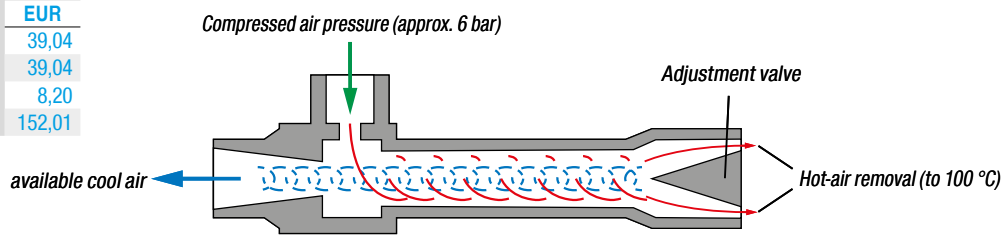
Entrance pressure				
	3 bar	–31 °C	up to	–6 °C
	4 bar	**–35 °C**	**up to**	**–8 °C**
	5 bar	–39 °C	up to	–10 °C
	6 bar	**–42 °C**	**up to**	**–11 °C**
	7 bar	–46 °C	up to	–13 °C

In order to operate the regulating valve, the silencer must be unscrewed – there is a burn danger! The valve of the hot air side can reach up to 100 °C: Before contact, allow cooling!

Air consumption at an inlet temperature of + 21 °C and an inlet pressure of 6.9 bar: 7,08 l / sec. (25.5 m³ / h)

Cool-jet	Article no.	EUR
3–7 bar air pressure, at -46 °C	81 900 100	729,14

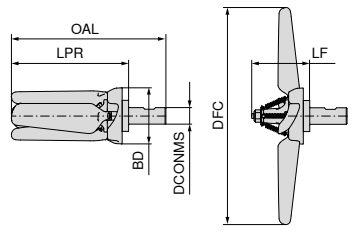
Accessories	Article no.	EUR
Magnetic plate Ø 80 mm without clamping arm	81 900 101	39,04
Spare tube, length 300 mm	81 900 104	39,04
Jet silencer (air filter)	81 900 105	8,20
Complete set (with magnetic set and clamping arm), weight 0,4 kg	81 900 107	152,01



Cleaning propeller

- Chip and emulsion removal or drying processes via the tool spindle
- Simple replacement of the rotor blades

WNT \ Standard





IK central

DCONMS	OAL	LPR	LF	DFC	BD	RPMX	Article no.	EUR
mm	mm	mm	mm	mm	mm	1/min.		
20	186,3	141,3	69,75	254	67,68	5000 - 8000	80 399 02000	159,50



Rotor blade



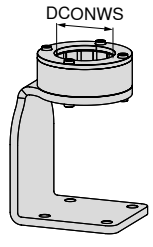
Rotor blade kit

Spare parts	Article no.	EUR	Article no.	EUR
for Article no.				
80 399 02000	80 399 30100	31,82	80 399 30200	122,98

Assembly fixture for tool holders

- gripping by roller
- secure clamping
- quick assembly, no additional clamping necessary

WNT \ Standard





Adapter	DCONWS	Article no.	Y7 EUR
	mm		
HSK 32, PSC 32	32.0	80 722 032	132,00
HSK 40, PSC 40	40.0	80 722 040	132,00
MAS-BT 30	46.0	80 722 046	110,00
DIN 69871 / DIN 2080 - SK 30, HSK 50, PSC 50	50.0	80 722 050	110,00
DIN 69871 / DIN 2080 - SK 40, HSK 63, PSC 63, MAS-BT 40, ANSI-CAT 40	63.0	80 722 063	110,00
DIN 69871 - SK 50	97.5	80 722 097	220,00
HSK 100, MAS-BT 50, ANSI-CAT 50	100.0	80 722 100	220,00

Zero Height Setting Gauge

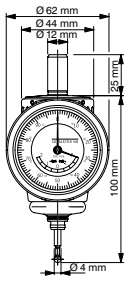


Designation	Ref height mm	Article no.	EUR
Zero height setting gauge	100	85 900 018	82,50

Universal 3D-Tester HQ

- fast and accurate positioning at reference edges
- characterised by over travel safety
- Accuracy 0,01 mm

Scope of supply:
3D tester including tracer insert and Allen key





	Article no.	EUR
Universal 3D-Tester HQ	85 292 100	242,00

Assembly device for ISO adapters

- Aluminium



Collet	Article no.	EUR
SK 30	80 720 030	60,50
SK 40	80 720 040	66,00
SK 50	80 720 050	71,50

Tool Supply 24/7



Tool-O-Mat 840
up to 840 tools



Tool-O-Mat 80
up to 80 tools



Tool-O-Mat 60
up to 60 tools

Access to Cutting Tools 24/7
with full control

Itemised Reporting

Major cashflow benefits
you only pay for the tools you use

Zero obsolete stock
you don't get left with old cutting tool technology

Major purchasing cost reduction
only one consolidated invoice per month

Simple stock maintenance by CERATIZIT
Your local CERATIZIT service/sales engineer refills the machine with tools. We manage everything for you so you can concentrate on machining.

Supervisor key function
the ability to control high value items

Tried and tested system
over 400 machines in operation in the UK & Ireland

CERATIZIT UK & IRELAND LTD
Europa Link \ UK-Sheffield S9 1XU
Tel.: 1800 073 2 073
info.uk@ceratizit.com \ www.ceratizit.com

CERATIZIT GROUP

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