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**Application engineers
with know-how**

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Freefax Number: 0800 073 2074

VALID TO: 01.09.2020 – 30.11.2020



**NEW SOLID CARBIDE DRILLS, MILLING CUTTERS
AND INSERTS AT GREAT PRICES**

**SPECIAL
SELECTION**

TEAM CUTTING TOOLS



KOMET



klenk

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

Tooling the Future

www.ceratizit.com

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NEW Products at great prices – Introductory offer
Get up to 30 % discount on our new standard line products until 30.11.2020



Drilling and Milling

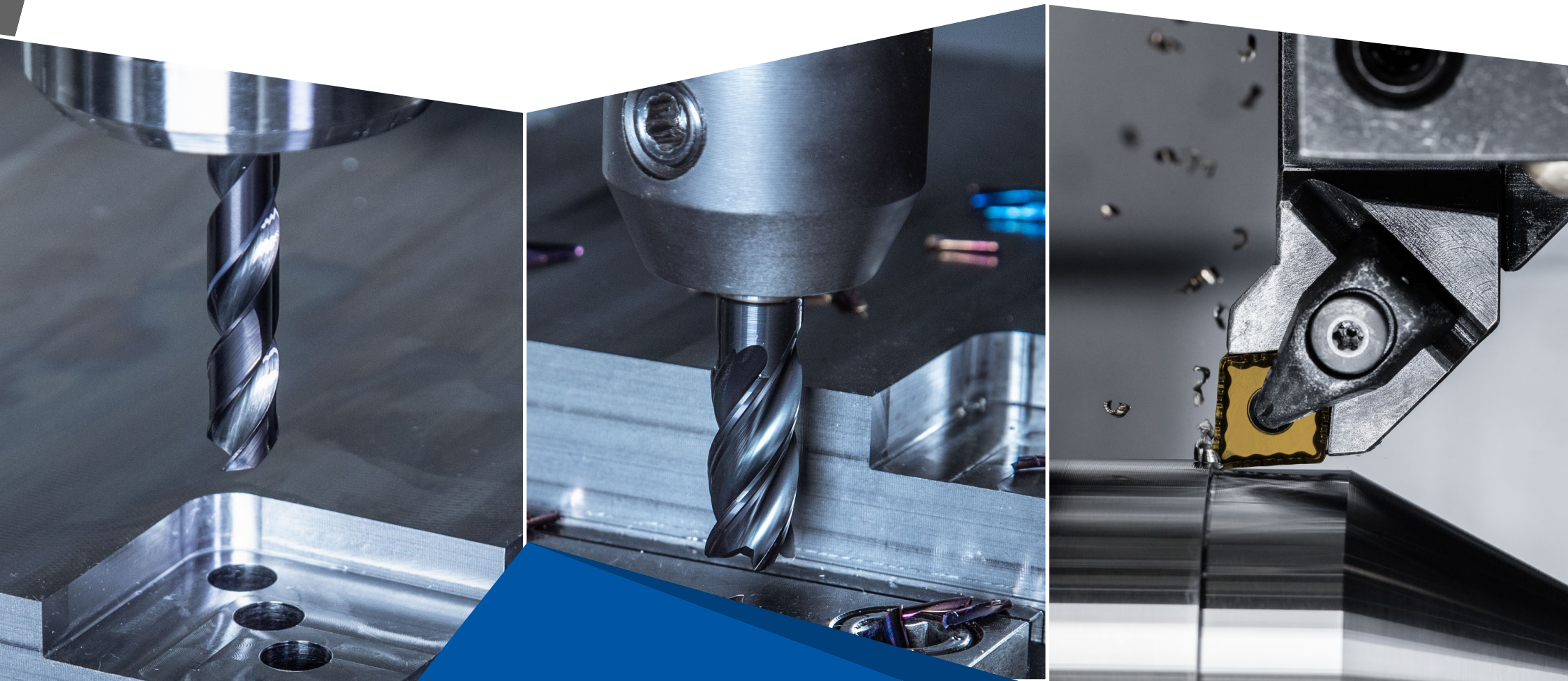
- ▲ Universal geometry drills for steel, stainless steel and cast iron
- ▲ High performance
- ▲ 3xD – 12xD with thro' coolant
- ▲ HA & HB shank
- ▲ TiAlN based coating
- ▲ Milling Cutters for universal Machining
- ▲ HPC Geometry 35°/38°
- ▲ High performance
- ▲ TiAlN based coating
- ▲ Available overall length: short and long

 Further information on the product can be found on page 3-5

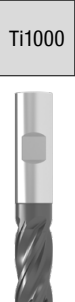
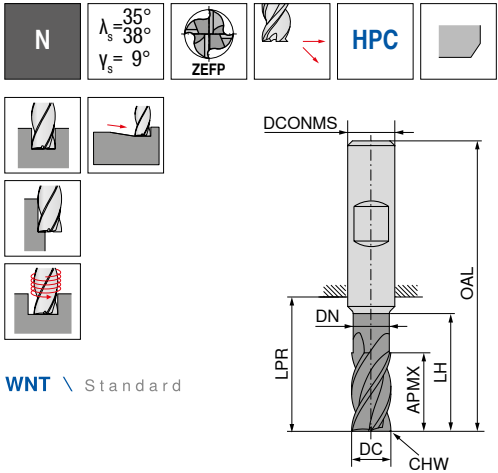
Turning Tools

- ▲ NEW Standard line turning insert
- ▲ Main application steel
- ▲ Standard chip breakers
- ▲ Coated carbide
- ▲ Powerful and reliable
- ▲ First choice for many standard applications

 Further information on the product can be found on page 6+7



End milling cutter



DC ₁₈	APMX	DN	LH	LPR	OAL	DCONMS ₁₈	CHW	ZEFP
mm	mm	mm	mm	mm	mm	mm	mm	
3.0	5			14	50	6	0.1	4
3.0	8	2.8	13.0	21	57	6	0.1	4
4.0	8			18	54	6	0.1	4
4.0	11	3.8	17.0	21	57	6	0.1	4
5.0	9			18	54	6	0.1	4
5.0	13	4.8	19.0	21	57	6	0.1	4
6.0	10			18	54	6	0.1	4
6.0	13	5.8	19.0	21	57	6	0.1	4
8.0	12			22	58	8	0.2	4
8.0	21	7.7	25.0	27	63	8	0.2	4
10.0	14			26	66	10	0.2	4
10.0	22	9.7	30.0	32	72	10	0.2	4
12.0	16			28	73	12	0.3	4
12.0	26	11.6	36.0	38	83	12	0.3	4
16.0	22			34	82	16	0.3	4
16.0	36	15.5	42.0	44	92	16	0.3	4
20.0	26			42	92	20	0.3	4
20.0	41	19.5	52.0	54	104	20	0.3	4

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

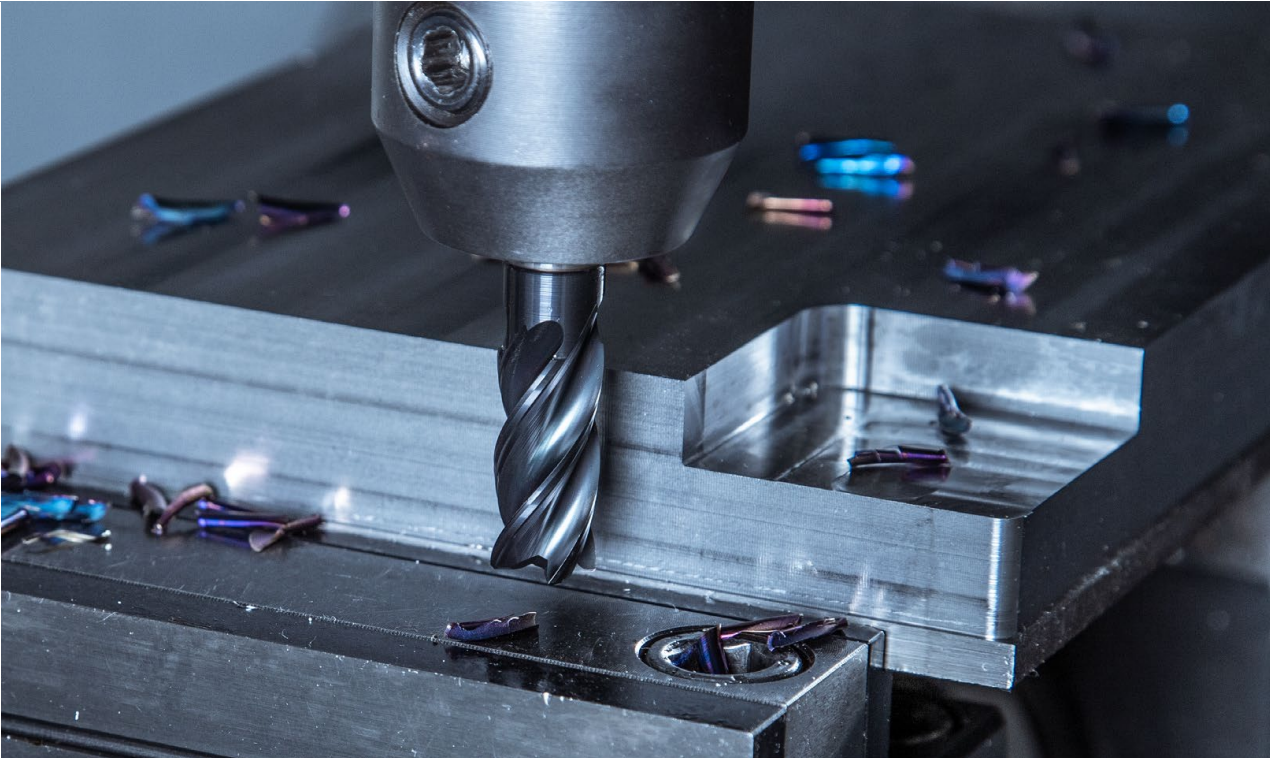
NEW		NEW	
Article no.	V3	Article no.	V3
	£		£
54 059 03100	9.39	54 059 03200	9.83
54 059 04100	9.39	54 059 04200	9.83
54 059 05100	9.39	54 059 05200	9.83
54 059 06100	11.51	54 059 06200	12.28
54 059 08100	12.72	54 059 08200	12.88
54 059 10100	16.90	54 059 10200	17.86
54 059 12100	23.76	54 059 12200	27.94
54 059 16100	41.54	54 059 16200	41.70
54 059 20100	62.45	54 059 20200	64.75

Special

Introductory Offer

20% discount

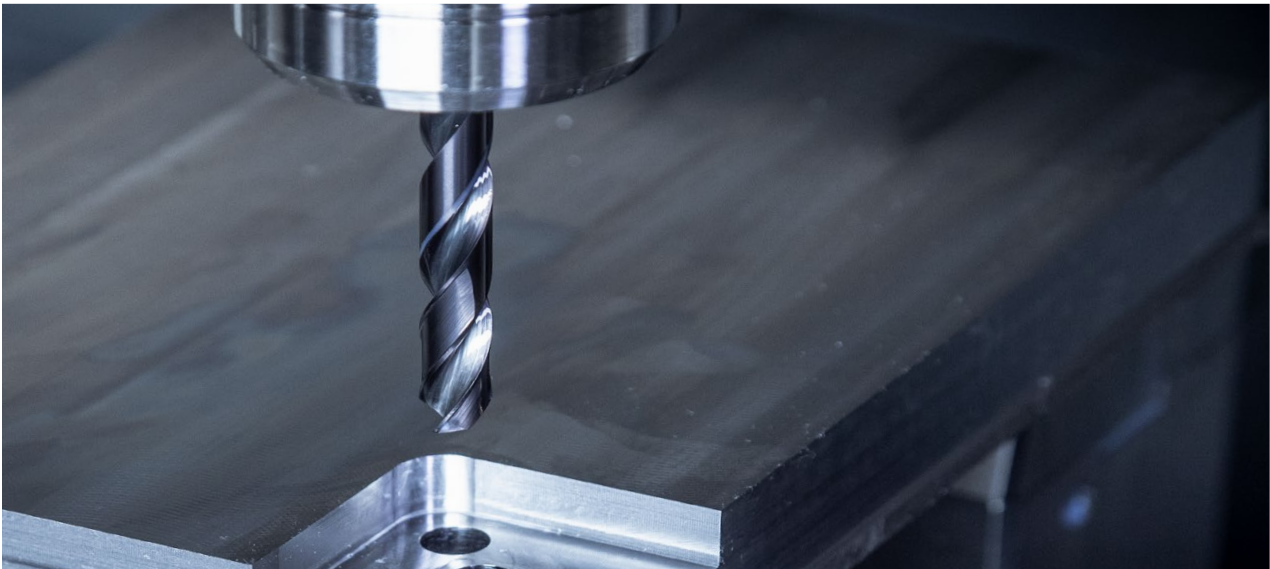
on this new range of milling cutters until 30.11.2020



High Performance Drill, factory standard

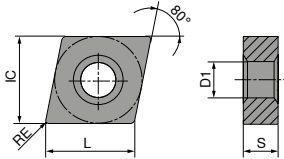
	UNI TiAlN ≤ 3xD DIN 6537 HA HB	UNI TiAlN ≤ 3xD DIN 6537 HB HA	UNI TiAlN ≤ 5xD DIN 6537 HA HB	UNI TiAlN ≤ 5xD DIN 6537 HB HA	UNI TiAlN ≤ 8xD DIN 6537 HA HA	UNI TiAlN ≤ 12xD DIN 6537 HA HA
	WNT \ Standard	WNT \ Standard	WNT \ Standard	WNT \ Standard	WNT \ Standard	WNT \ Standard
DC ₁₇	NEW		NEW		NEW	
	Article no.		Article no.		Article no.	
	T1		T1		T1	
	£		£		£	
mm						
9.90	11 700 09900	27.24	11 701 09900	27.24	11 702 09900	30.48
10.00	11 700 10000	27.24	11 701 10000	27.24	11 703 10000	30.48
10.10	11 700 10100	39.27	11 701 10100	39.27	11 703 10100	45.33
10.20	11 700 10200	39.27	11 701 10200	39.27	11 703 10200	45.33
10.30	11 700 10300	39.27	11 701 10300	39.27	11 703 10300	45.33
10.40	11 700 10400	39.27	11 701 10400	39.27	11 703 10400	45.33
10.50	11 700 10500	39.27	11 701 10500	39.27	11 703 10500	45.33
10.60	11 700 10600	39.27	11 701 10600	39.27	11 703 10600	45.33
10.70	11 700 10700	39.27	11 701 10700	39.27	11 703 10700	45.33
10.80	11 700 10800	39.27	11 701 10800	39.27	11 703 10800	45.33
10.90	11 700 10900	39.27	11 701 10900	39.27	11 703 10900	45.33
11.00	11 700 11000	39.27	11 701 11000	39.27	11 703 11000	45.33
11.10	11 700 11100	39.27	11 701 11100	39.27	11 703 11100	45.33
11.20	11 700 11200	39.27	11 701 11200	39.27	11 703 11200	45.33
11.30	11 700 11300	39.27	11 701 11300	39.27	11 703 11300	45.33
11.40	11 700 11400	39.27	11 701 11400	39.27	11 703 11400	45.33
11.50	11 700 11500	39.27	11 701 11500	39.27	11 703 11500	45.33
11.60	11 700 11600	39.27	11 701 11600	39.27	11 703 11600	45.33
11.70	11 700 11700	39.27	11 701 11700	39.27	11 703 11700	45.33
11.80	11 700 11800	39.27	11 701 11800	39.27	11 703 11800	45.33
11.90	11 700 11900	39.27	11 701 11900	39.27	11 703 11900	45.33
12.00	11 700 12000	39.27	11 701 12000	39.27	11 703 12000	45.33
12.10					11 703 12100	57.79
12.20	11 700 12200	52.60	11 701 12200	52.60	11 703 12200	57.79
12.30	11 700 12300	52.60	11 701 12300	52.60		
12.40					11 703 12400	57.79
12.50	11 700 12500	52.60	11 701 12500	52.60	11 703 12500	57.79
12.60					11 703 12600	57.79
12.70	11 700 12700	52.60	11 701 12700	52.60		
12.80	11 700 12800	52.60	11 701 12800	52.60	11 703 12800	57.79
12.90	11 700 12900	52.60	11 701 12900	52.60		
13.00	11 700 13000	52.60	11 701 13000	52.60	11 703 13000	57.79
13.10					11 703 13100	57.79
13.20					11 703 13200	57.79
13.30					11 703 13300	57.79
13.50	11 700 13500	52.60	11 701 13500	52.60	11 703 13500	57.79
13.80	11 700 13800	52.60	11 701 13800	52.60	11 703 13800	57.79
14.00	11 700 14000	52.60	11 701 14000	52.60	11 703 14000	57.79
14.20	11 700 14200	67.90	11 701 14200	67.90	11 703 14200	74.15
14.30					11 703 14300	74.15
14.40	11 700 14400	67.90	11 701 14400	67.90	11 703 14400	74.15
14.50	11 700 14500	67.90	11 701 14500	67.90	11 703 14500	74.15
14.80	11 700 14800	67.90	11 701 14800	67.90	11 703 14800	74.15
15.00	11 700 15000	67.90	11 701 15000	67.90	11 703 15000	74.15
15.10	11 700 15100	67.90	11 701 15100	67.90	11 703 15100	74.15
15.20	11 700 15200	67.90	11 701 15200	67.90	11 703 15200	74.15
15.25					11 703 15250	74.15
15.30					11 703 15300	74.15
15.50	11 700 15500	67.90	11 701 15500	67.90	11 703 15500	74.15
15.80	11 700 15800	67.90	11 701 15800	67.90	11 703 15800	74.15
16.00	11 700 16000	67.90	11 701 16000	67.90	11 703 16000	74.15
16.20					11 703 16200	114.72
16.30					11 703 16300	114.72
16.50	11 700 16500	103.01	11 701 16500	103.01	11 703 16500	114.72
16.80					11 703 16800	114.72
17.00	11 700 17000	103.01	11 701 17000	103.01	11 703 17000	114.72
17.30					11 703 17300	114.72
17.50	11 700 17500	103.01	11 701 17500	103.01	11 703 17500	114.72
18.00	11 700 18000	103.01	11 701 18000	103.01	11 703 18000	114.72
18.50	11 700 18500	113.58	11 701 18500	113.58	11 703 18500	124.69
18.90	11 700 18900	113.58	11 701 18900	113.58	11 703 18900	124.69
19.00	11 700 19000	113.58	11 701 19000	113.58	11 703 19000	124.69
19.20					11 703 19200	124.69
19.30	11 700 19300	113.58	11 701 19300	113.58	11 703 19300	124.69
19.50	11 700 19500	113.58	11 701 19500	113.58	11 703 19500	124.69
19.70					11 703 19700	124.69
20.00	11 700 20000	113.58	11 701 20000	113.58	11 703 20000	124.69
Steel	●		●		●	
Stainless steel	●		●		●	
Cast iron	●		●		●	
Non ferrous metals						
Heat resistant alloys						

Special
Introductory Offer
30% discount
on this new range of drills
until 30.11.2020

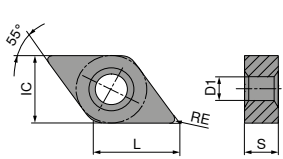


CNMG / DNMG / VNMG / WNMG

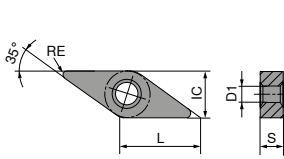
Designation	L	S	D1	IC
	mm	mm	mm	mm
CNMG 1204..	12.9	4.76	5.16	12.70
CNMG 1606..	16.1	6.35	6.35	15.87
CNMG 1906..	19.3	6.35	7.94	19.05
DNMG 1506..	15.5	6.35	5.16	12.70
VNMG 1604..	16.6	4.76	3.81	9.52
WNMG 0804..	8.6	4.76	5.16	12.70



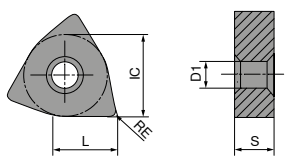
CNMG



DNMG



VNMG



WNMG

CNMG

CERATIZIT \ Standard

		-FMS CT-P15		-FMS CT-P25		-MRS CT-P15		-MRS CT-P25		-MRS CT-P35	
		M		F		M		M		M	
		NEW		NEW		NEW		NEW		NEW	
ISO	RE	Article no.		Article no.		Article no.		Article no.		Article no.	
	mm	1S/1N		1S/1N		1S/1N		1S/1N		1S/1N	
120404EN	0.4	75 302 02809	£ 2.80	75 302 12809	£ 2.80	75 303 03009	£ 2.80	75 303 13009	£ 2.80	75 303 23009	£ 2.80
120408EN	0.8	75 302 03009	£ 2.80	75 302 13009	£ 2.80	75 303 03209	£ 2.80	75 303 13209	£ 2.80	75 303 23209	£ 2.80
120412EN	1.2	75 302 03209	£ 2.80			75 303 03409	£ 2.80	75 303 13409	£ 2.80	75 303 23409	£ 2.80
120416EN	1.6					75 303 04409	£ 4.10	75 303 14409	£ 4.10	75 303 24409	£ 4.10
160612EN	1.2					75 303 04609	£ 4.10	75 303 14609	£ 4.10	75 303 24609	£ 4.10
160616EN	1.6					75 303 05609	£ 6.09	75 303 15609	£ 6.09	75 303 25609	£ 6.09
190612EN	1.2					75 303 05809	£ 6.09	75 303 15809	£ 6.09	75 303 25809	£ 6.09
190616EN	1.6										
Steel		●		●		●		●		●	
Stainless steel		○		○		○		○		○	
Cast iron		○		○		○		○		○	
Non ferrous metals											
Heat resistant alloys										○	

DNMG

CERATIZIT \ Standard

		-FMS CT-P15		-FMS CT-P25		-MRS CT-P15		-MRS CT-P25		-MRS CT-P35	
		M		F		M		M		M	
		NEW		NEW		NEW		NEW		NEW	
ISO	RE	Article no.		Article no.		Article no.		Article no.		Article no.	
	mm	1S/1N		1S/1N		1S/1N		1S/1N		1S/1N	
150604EN	0.4	75 306 02809	£ 3.78	75 306 12809	£ 3.78	75 307 03009	£ 3.78	75 307 13009	£ 3.78	75 307 23009	£ 3.78
150608EN	0.8	75 306 03009	£ 3.78	75 306 13009	£ 3.78	75 307 03209	£ 3.78	75 307 13209	£ 3.78	75 307 23209	£ 3.78
150612EN	1.2	75 306 03209	£ 3.78	75 306 13209	£ 3.78	75 307 03409	£ 3.78	75 307 13409	£ 3.78	75 307 23409	£ 3.78
150616EN	1.6										
Steel		●		●		●		●		●	
Stainless steel		○		○		○		○		○	
Cast iron		○		○		○		○		○	
Non ferrous metals											
Heat resistant alloys										○	

VNMG

CERATIZIT \ Standard

		-FMS CT-P15		-FMS CT-P25	
		F		F	
		NEW		NEW	
ISO	RE	Article no.		Article no.	
	mm	1S/1N		1S/1N	
160404EN	0.4	75 310 01609	£ 3.56	75 310 11609	£ 3.56
160408EN	0.8	75 310 01809	£ 3.56	75 310 11809	£ 3.56
Steel		●		●	
Stainless steel		○		○	
Cast iron		○		○	
Non ferrous metals					
Heat resistant alloys					

WNMG

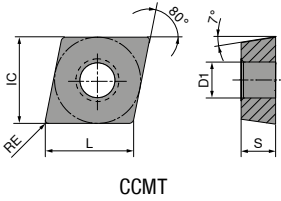
CERATIZIT \ Standard

		-FMS CT-P15		-FMS CT-P25		-MRS CT-P15		-MRS CT-P25		-MRS CT-P35	
		M		F		M		M		M	
		NEW		NEW		NEW		NEW		NEW	
ISO	RE	Article no.		Article no.		Article no.		Article no.		Article no.	
	mm	1S/1N		1S/1N		1S/1N		1S/1N		1S/1N	
080404EN	0.4	75 311 01609	£ 3.29	75 311 11609	£ 3.29	75 312 01809	£ 3.29	75 312 11809	£ 3.29	75 312 21809	£ 3.29
080408EN	0.8	75 311 01809	£ 3.29	75 311 11809	£ 3.29	75 312 02009	£ 3.29	75 312 12009	£ 3.29	75 312 22009	£ 3.29
080412EN	1.2	75 311 02009	£ 3.29	75 311 12009	£ 3.29						
Steel		●		●		●		●		●	
Stainless steel		○		○		○		○		○	
Cast iron		○		○		○		○		○	
Non ferrous metals											
Heat resistant alloys										○	

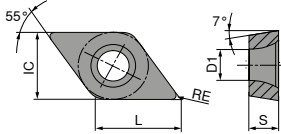


CCMT / DCMT / VCMT

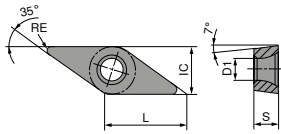
Designation	L	S	D1	IC
	mm	mm	mm	mm
CCMT 09T3..	9.70	3.97	4.4	9.52
CCMT 1204..	12.90	4.76	5.5	12.70
DCMT 0702..	7.75	2.38	2.8	6.35
DCMT 11T3..	11.60	3.97	4.4	9.52
VCMT 1103..	11.10	3.18	2.9	6.35
VCMT 1604..	16.60	4.76	4.4	9.52



CCMT



DCMT



VCMT

CCMT

CERATIZIT \ Standard

ISO	RE	Article no.		1S/1P	Article no.		1S/1P	Article no.		1S/1P	Article no.		1S/1P
	mm			£			£			£			£
09T304EN	0.4	75 300 01609		2.03	75 300 11609		2.03	75 301 01609		2.03	75 301 11609		2.03
09T308EN	0.8	75 300 01809		2.03	75 300 11809		2.03	75 301 01809		2.03	75 301 11809		2.03
120404EN	0.4	75 300 02809		2.73	75 300 12809		2.73	75 301 02809		2.73	75 301 12809		2.73
120408EN	0.8												
120412EN	1.2	75 300 03009		2.73	75 300 13009		2.73	75 301 03009		2.73	75 301 13009		2.73
								75 301 03209		2.73	75 301 13209		2.73
Steel		●			●			●			●		
Stainless steel		○			○			○			○		
Cast iron		○			○			○			○		
Non ferrous metals													
Heat resistant alloys													

DCMT

CERATIZIT \ Standard

ISO	RE	Article no.		1S/1P	Article no.		1S/1P	Article no.		1S/1P	Article no.		1S/1P
	mm			£			£			£			£
070204EN	0.4	75	304 00409	1.78	75	304 10409	1.78	75	305 00409	1.78	75	305 10409	1.78
070208EN	0.8	75	304 00609	1.78	75	304 10609	1.78	75	305 00609	1.78	75	305 10609	1.78
11T304EN	0.4	75	304 01609	2.24	75	304 11609	2.24	75	305 01609	2.24	75	305 11609	2.24
11T308EN	0.8	75	304 01809	2.24	75	304 11809	2.24	75	305 01809	2.24	75	305 11809	2.24
Steel		●			●			●			●		
Stainless steel		○			○			○			○		
Cast iron		○			○			○			○		
Non ferrous metals													
Heat resistant alloys													

VCMT

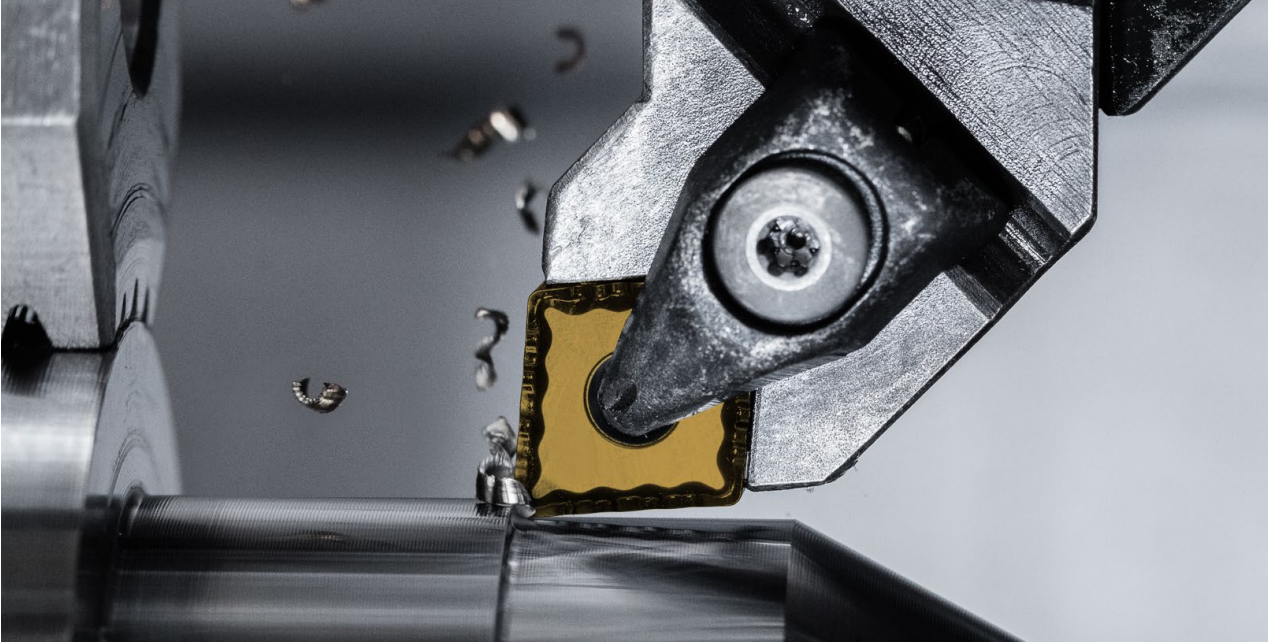
CERATIZIT \ Standard

ISO	RE	Article no.		1S/1P	Article no.		1S/1P	Article no.		1S/1P	Article no.		1S/1P
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110304EN	0.4	75 308 01609		3.45	75 308 11609		3.45						
160404EN	0.4	75 308 02809		3.48	75 308 12809		3.48	75 309 02809		3.48	75 309 12809		3.48
160408EN	0.8	75 308 03009		3.48	75 308 13009		3.48	75 309 03009		3.48	75 309 13009		3.48
Steel		●			●			●			●		
Stainless steel		○			○			○			○		
Cast iron		○			○			○			○		
Non ferrous metals													
Heat resistant alloys													

Special
Introductory Offer

10% discount

on this new range
of turning inserts
until 30.11.2020



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

NC-A		UNI 		WT		VX 		UNI		VX 		UNI	
		TiN 		TiN 		TiN 		TiN 		TiN 		TiN 	
		≤ 3xD		≤ 3xD		≤ 3xD		≤ 5xD		≤ 5xD		≤ 10xD	
		DIN 1897		DIN 1897		≈DIN 1897		DIN 338		≈DIN 338		DIN 340	
						A 				A 			
WNT \ Performance													
WNT \ Performance													
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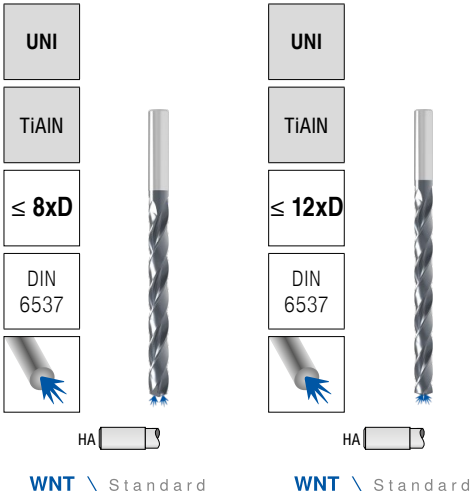
NC spot drills, factory standard and high-performance twist drills

NC-A														
UNI TiN ≤ 3xD DIN 1897 WT TiN ≤ 3xD DIN 1897 VX TiN ≤ 3xD ≈DIN 1897 UNI TiN ≤ 5xD DIN 338 VX TiN ≤ 5xD ≈DIN 338 UNI TiN ≤ 10xD DIN 340														
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WNT \ Performance WNT \ Performance WNT \ Performance WNT \ Performance WNT \ Performance WNT \ Performance WNT \ Performance														
DC_{h8/h6} Article no. Article no. Article no. Article no. Article no. Article no. Article no.														
mm £ £ £ £ £ £ £														
7.30	10 520 080	11.61	10 107 073	15.29	10 110 073	11.27	10 122 073	25.31	10 171 073	9.82	10 124 073	30.99	10 270 073	18.84
7.40			10 107 074	15.19	10 110 074	11.27	10 122 074	25.31	10 171 074	9.82	10 124 074	30.99	10 270 074	19.52
7.45							10 122 745	25.31	10 171 745	7.89				
7.50			10 107 075	9.53	10 110 075	8.60	10 122 075	17.88	10 171 075	7.89	10 124 075	30.99	10 270 075	19.86
7.55											10 124 755	30.94		
7.60			10 107 076	14.23	10 110 076	12.23	10 122 076	25.69	10 171 076	11.53	10 124 076	30.94	10 270 076	21.32
7.70			10 107 077	17.65	10 110 077	12.23	10 122 077	27.64	10 171 077	11.87	10 124 077	30.94	10 270 077	20.14
7.80			10 107 078	17.06	10 110 078	12.23	10 122 078	27.64	10 171 078	11.53	10 124 078	30.94	10 270 078	22.19
7.90			10 107 079	18.70	10 110 079	12.23	10 122 079	27.64	10 171 079	11.87	10 124 079	30.94	10 270 079	21.39
7.94			10 107 794	9.64					10 171 794	11.53				
8.00			10 107 080	9.21	10 110 080	8.86	10 122 080	18.35	10 171 080	9.57	10 124 080	30.94	10 270 080	18.16
8.10			10 107 081	19.18	10 110 081	12.23	10 122 081	31.37	10 171 081	11.53	10 124 081	34.65	10 270 081	20.02
8.20			10 107 082	20.01	10 110 082	12.23	10 122 082	31.37	10 171 082	12.34	10 124 082	34.65	10 270 082	21.84
8.30			10 107 083	21.51	10 110 083	12.85	10 122 083	31.37	10 171 083	12.34	10 124 083	34.65	10 270 083	23.15
8.40			10 107 084	22.11	10 110 084	12.85	10 122 084	31.37	10 171 084	12.95	10 124 084	34.65	10 270 084	24.88
8.50			10 107 085	10.94	10 110 085	10.64	10 122 085	20.82	10 171 085	9.45	10 124 085	34.94	10 270 085	21.32
8.60			10 107 086	13.15	10 110 086	13.22	10 122 086	32.60	10 171 086	21.13	10 124 086	32.24	10 270 086	21.17
8.70			10 107 087	15.13	10 110 087	13.22	10 122 087	32.60	10 171 087	21.13	10 124 087	32.24	10 270 087	21.39
8.73			10 107 873	17.33					10 171 873	13.88				
8.80			10 107 088	14.23	10 110 088	13.22	10 122 088	32.60	10 171 088	14.71	10 124 088	32.24	10 270 088	21.73
8.90			10 107 089	18.71	10 110 089	13.58	10 122 089	32.60	10 171 089	18.16	10 124 089	32.24	10 270 089	22.09
9.00			10 107 090	11.53	10 110 090	10.80	10 122 090	22.71	10 171 090	11.88	10 124 090	32.24	10 270 090	22.40
9.10			10 107 091	15.77	10 110 091	17.30	10 122 091	40.88	10 171 091	19.75	10 124 091	34.65	10 270 091	22.40
9.20			10 107 092	15.88	10 110 092	17.30	10 122 092	40.88	10 171 092	20.26	10 124 092	34.65	10 270 092	22.40
9.30			10 107 093	27.99	10 110 093	17.30	10 122 093	40.88	10 171 093	17.99	10 124 093	34.65	10 270 093	22.40
9.35							10 122 935	40.88	10 171 935	14.01				
9.40			10 107 094	18.41	10 110 094	17.30	10 122 094	40.88	10 171 094	22.24	10 124 094	34.65	10 270 094	22.40
9.50			10 107 095	12.34	10 110 095	14.06	10 122 095	28.39	10 171 095	14.01	10 124 095	34.65	10 270 095	22.40
9.55											10 124 955	37.80		
9.60			10 107 096	19.25	10 110 096	17.57	10 122 096	30.63	10 171 096	20.11	10 124 096	37.80	10 270 096	23.72
9.70			10 107 097	18.71	10 110 097	17.57	10 122 097	30.63	10 171 097	23.62	10 124 097	37.80	10 270 097	24.88
9.80			10 107 098	28.82	10 110 098	18.79	10 122 098	30.63	10 171 098	20.11	10 124 098	37.80	10 270 098	26.58
9.90			10 107 099	19.99	10 110 099	18.79	10 122 099	30.63	10 171 099	18.51	10 124 099	37.80	10 270 099	28.88
10.00	10 520 100	12.14	10 107 100	14.36	10 110 100	13.22	10 122 100	27.29	10 171 100	14.08	10 124 100	37.80	10 270 100	31.23
10.10			10 107 101	19.25			10 122 101	42.28	10 171 101	18.18	10 124 101	47.91	10 270 101	34.11
10.20			10 107 102	22.81	10 110 102	18.66	10 122 102	40.39	10 171 102	19.05	10 124 102	47.91	10 270 102	36.44
10.30			10 107 103	17.88			10 122 103	41.11	10 171 103	15.88	10 124 103	47.91	10 270 103	39.31
10.40			10 107 104	20.94			10 122 104	43.75	10 171 104	19.66	10 124 104	47.91	10 270 104	39.31
10.50			10 107 105	24.71	10 110 105	17.78	10 122 105	39.25	10 171 105	19.76	10 124 105	47.91	10 270 105	39.91
10.55									10 171 955	21.66				
10.60							10 122 106	47.00			10 124 106	52.62		
10.70							10 122 107	42.90			10 124 107	52.62		
10.80					10 110 108	39.65	10 122 108	41.23			10 124 108	52.62		
10.90							10 122 109	60.58			10 124 109	52.62		
11.00			10 107 110	26.34	10 110 110	17.78	10 122 110	39.25	10 171 110	21.66	10 124 110	44.35	10 270 110	47.37
11.10			10 107 111	31.05			10 122 111	38.39			10 124 111	47.49		
11.20									10 171 111	41.76				
11.30									10 171 112	41.76	10 124 112	47.49		
11.40									10 171 113	41.98	10 124 113	47.49		
11.50									10 171 114	41.98	10 124 114	47.49		
11.60			10 107 115	29.89	10 110 115	18.54	10 122 115	40.88	10 171 115	27.64	10 124 115	47.49	10 270 115	47.99
11.70									10 171 116	48.10	10 124 116	52.36		
11.80					10 110 118	22.24	10 122 117	45.95			10 124 117	52.36		
11.90							10 122 118	47.98			10 124 118	52.36		
12.00	10 520 120	18.66	10 107 120	35.16	10 110 120	21.21	10 122 119	60.67			10 124 119	52.36		
12.10							10 122 120	46.94	10 171 120	30.82	10 124 120	52.36	10 270 120	48.54
12.15							10 122 121	34.19			10 124 121	60.15		
12.20									10 171 121	31.64				
12.30			10 107 123	32.71	10 110 123	32.60	10 122 122	50.90			10 124 122	60.15		
12.40							10 122 123	62.57	10 171 123	32.71	10 124 123	60.15		
12.50			10 107 125	35.41	10 110 125	22.24	10 122 124	74.66			10 124 124	60.15		
12.60							10 122 125	48.35	10 171 925	31.64	10 124 125	60.15	10 270 125	53.18
12.70			10 107 127	27.01			10 122 126	98.01	10 171 127	24.81	10 124 126	63.35		
12.80					10 110 128	41.07	10 122 127	107.26			10 124 127	63.35		

WPC – High Performance Drill, DIN 6537

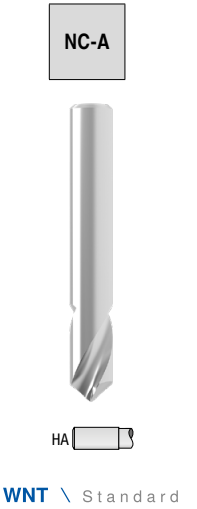
UNI TiAIN ≤ 3xD DIN 6537			UNI TiAIN ≤ 3xD DIN 6537			UNI TiAIN ≤ 5xD DIN 6537			UNI TiAIN ≤ 5xD DIN 6537			VA TiAIN ≤ 3xD DIN 6537			VA TiAIN ≤ 3xD DIN 6537			VA TiAIN ≤ 5xD DIN 6537		
HB			HB			HB			HB			HB			HB					
WNT \ Standard			WNT \ Standard			WNT \ Standard			WNT \ Standard			WNT \ Standard			WNT \ Standard					
DC _{m7}	Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.					
mm		£		£		£		£		£		£		£		£				
9.25	11 601 925	23.25	11 604 925	43.60	11 607 925	26.16	11 610 925	46.49	11 621 925	23.25	11 624 925	43.60	11 630 925	45.05						
9.30	11 601 093	23.25	11 604 093	43.60	11 607 093	26.16	11 610 093	46.49	11 621 093	23.25	11 624 093	43.60	11 630 093	45.05						
9.35			11 604 930	42.13			11 610 930	45.05												
9.40	11 601 094	23.25	11 604 094	43.60	11 607 094	26.16	11 610 094	46.49	11 621 094	23.25	11 624 094	43.60	11 630 094	45.05						
9.50	11 601 095	23.25	11 604 095	43.60	11 607 095	26.16	11 610 095	46.49	11 621 095	23.25	11 624 095	43.60	11 630 095	45.05						
9.60	11 601 096	23.25	11 604 096	43.60	11 607 096	26.16	11 610 096	46.49	11 621 096	23.25	11 624 096	43.60	11 630 096	45.05						
9.70	11 601 097	23.25	11 604 097	43.60	11 607 097	26.16	11 610 097	46.49	11 621 097	23.25	11 624 097	43.60	11 630 097	45.05						
9.80	11 601 098	23.25	11 604 098	43.60	11 607 098	26.16	11 610 098	46.49	11 621 098	23.25	11 624 098	43.60	11 630 098	45.05						
9.90	11 601 099	23.25	11 604 099	43.60	11 607 099	26.16	11 610 099	46.49	11 621 099	23.25	11 624 099	43.60	11 630 099	45.05						
10.00	11 601 100	23.25	11 604 100	43.60	11 607 100	26.16	11 610 100	46.49	11 621 100	23.25	11 624 100	43.60	11 630 100	45.05						
10.10	11 601 101	34.87	11 604 101	62.47	11 607 101	39.23	11 610 101	68.29	11 621 101	34.87	11 624 101	62.47	11 630 101	68.29						
10.20	11 601 102	34.87	11 604 102	62.47	11 607 102	39.23	11 610 102	68.29	11 621 102	34.87	11 624 102	62.47	11 630 102	68.29						
10.30	11 601 103	34.87	11 604 103	62.47	11 607 103	39.23	11 610 103	68.29	11 621 103	34.87	11 624 103	62.47	11 630 103	68.29						
10.40	11 601 104	34.87	11 604 104	62.47	11 607 104	39.23	11 610 104	68.29	11 621 104	34.87	11 624 104	62.47	11 630 104	68.29						
10.50	11 601 105	34.87	11 604 105	62.47	11 607 105	39.23	11 610 105	68.29	11 621 105	34.87	11 624 105	62.47	11 630 105	68.29						
10.60	11 601 106	34.87	11 604 106	62.47	11 607 106	39.23	11 610 106	68.29	11 621 106	34.87	11 624 106	62.47	11 630 106	68.29						
10.70	11 601 107	34.87	11 604 107	62.47	11 607 107	39.23	11 610 107	68.29	11 621 107	34.87	11 624 107	62.47	11 630 107	68.29						
10.75			11 604 904	59.54			11 610 904	65.36												
10.80	11 601 108	34.87	11 604 108	62.47	11 607 108	39.23	11 610 108	68.29	11 621 108	34.87	11 624 108	62.47	11 630 108	68.29						
10.90	11 601 109	34.87	11 604 109	62.47	11 607 109	39.23	11 610 109	68.29	11 621 109	34.87	11 624 109	62.47	11 630 109	68.29						
11.00	11 601 110	34.87	11 604 110	62.47	11 607 110	39.23	11 610 110	68.29	11 621 110	34.87	11 624 110	62.47	11 630 110	68.29						
11.10	11 601 111	34.87	11 604 111	62.47	11 607 111	39.23	11 610 111	68.29	11 621 111	34.87	11 624 111	62.47	11 630 111	68.29						
11.20	11 601 112	34.87	11 604 112	62.47	11 607 112	39.23	11 610 112	68.29	11 621 112	34.87	11 624 112	62.47	11 630 112	68.29						
11.25			11 604 912	59.54			11 610 912	65.36												
11.30	11 601 113	34.87	11 604 113	62.47	11 607 113	39.23	11 610 113	68.29	11 621 113	34.87	11 624 113	62.47	11 630 113	68.29						
11.40	11 601 114	34.87	11 604 114	62.47	11 607 114	39.23	11 610 114	68.29	11 621 114	34.87	11 624 114	62.47	11 630 114	68.29						
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11.90	11 601 119	34.87	11 604 119	62.47	11 607 119	39.23	11 610 119	68.29	11 621 119	34.87	11 624 119	62.47	11 630 119	68.29						
12.00	11 601 120	34.87	11 604 120	62.47	11 607 120	39.23	11 610 120	68.29	11 621 120	34.87	11 624 120	62.47	11 630 120	68.29						
12.25	11 601 122	45.05	11 604 122	84.25	11 607 122	50.84	11 610 122	88.61												
12.50	11 601 125	46.49	11 604 125	87.16	11 607 125	50.84	11 610 125	92.97	11 621 125	46.49	11 624 125	87.16	11 630 125	92.97						
12.70	11 601 127	46.49	11 604 127	87.16	11 607 127	50.84	11 610 127	92.97	11 621 127	46.49	11 624 127	87.16	11 630 127	92.97						
12.80	11 601 128	45.05	11 604 128	84.25	11 607 128	50.84	11 610 128	88.61												
12.90	11 601 129	45.05	11 604 129	84.25	11 607 129	50.84	11 610 129	88.61												
13.00	11 601 130	46.49	11 604 130	87.16	11 607 130	50.84	11 610 130	92.97	11 621 130	46.49	11 624 130	87.16	11 630 130	92.97						
13.10			11 604 131	84.25			11 610 131	88.61												
13.30	11 601 133	45.05	11 604 133	84.25	11 6															

WPC – High Performance Drill, factory standard



DC _{h7}	Article no.		Article no.	
	mm	£		£
3.0	11 612 030	87.71	11 615 030	131.14
3.1	11 612 031	87.71	11 615 031	131.14
3.2	11 612 032	87.71	11 615 032	131.14
3.3	11 612 033	87.71	11 615 033	131.14
3.4	11 612 034	87.71	11 615 034	131.14
3.5	11 612 035	87.71	11 615 035	131.14
3.6	11 612 036	87.71	11 615 036	131.14
3.7	11 612 037	87.71	11 615 037	131.14
3.8	11 612 038	87.71	11 615 038	131.14
3.9	11 612 039	87.71	11 615 039	131.14
4.0	11 612 040	87.71	11 615 040	131.14
4.1	11 612 041	87.71	11 615 041	131.14
4.2	11 612 042	87.71	11 615 042	131.14
4.3	11 612 043	87.71	11 615 043	131.14
4.4	11 612 044	87.71	11 615 044	131.14
4.5	11 612 045	87.71	11 615 045	131.14
4.6	11 612 046	87.71	11 615 046	131.14
4.7	11 612 047	87.71	11 615 047	131.14
4.8	11 612 048	87.71	11 615 048	131.14
4.9	11 612 049	87.71	11 615 049	131.14
5.0	11 612 050	87.71	11 615 050	131.14
5.1	11 612 051	87.71		
5.2	11 612 052	87.71		
5.3	11 612 053	87.71		
5.5	11 612 055	87.71	11 615 055	131.14
5.8	11 612 058	87.71	11 615 058	131.14
5.9	11 612 059	87.71		
6.0	11 612 060	87.71	11 615 060	131.14
6.1	11 612 061	112.47		
6.2	11 612 062	112.47		
6.3	11 612 063	112.47	11 615 063	150.94
6.5	11 612 065	112.47	11 615 065	150.94
6.6	11 612 066	112.47	11 615 066	150.94
6.8	11 612 068	112.47	11 615 068	150.94
7.0	11 612 070	112.47	11 615 070	150.94
7.4	11 612 074	112.47		
7.5	11 612 075	112.47	11 615 075	150.94
7.7	11 612 077	112.47		
7.8	11 612 078	112.47	11 615 078	150.94
7.9	11 612 079	112.47		
8.0	11 612 080	112.47	11 615 080	150.94
8.1	11 612 081	141.40		
8.2	11 612 082	141.40	11 615 082	217.74
8.3	11 612 083	141.40		
8.5	11 612 085	141.40	11 615 085	217.74
8.6	11 612 086	141.40		
8.7	11 612 087	141.40		
8.8	11 612 088	141.40		
9.0	11 612 090	141.40	11 615 090	217.74
9.1	11 612 091	141.40		
9.2	11 612 092	141.40		
9.3	11 612 093	141.40		
9.4	11 612 094	141.40		
9.5	11 612 095	141.40	11 615 095	217.74
9.7	11 612 097	141.40		
9.8	11 612 098	141.40	11 615 098	217.74
9.9	11 612 099	141.40		
10.0	11 612 100	141.40	11 615 100	217.74
10.2	11 612 102	188.17		
10.5	11 612 105	188.17	11 615 105	300.63
10.8	11 612 108	188.17		
11.0	11 612 110	188.17	11 615 110	300.63
11.2	11 612 112	188.17		
11.5	11 612 115	188.17	11 615 115	300.63
11.8	11 612 118	188.17		
12.0	11 612 120	188.17	11 615 120	300.63
12.5	11 612 125	276.15		
13.0	11 612 130	276.15	11 615 130	377.33
13.5	11 612 135	276.15		
14.0	11 612 140	276.15	11 615 140	377.33
14.5	11 612 145	360.75		
15.0	11 612 150	360.75	11 615 150	498.57
15.5	11 612 155	360.75		
16.0	11 612 160	360.75	11 615 160	498.57
16.5	11 612 165	448.72		
17.0	11 612 170	448.72		
17.5	11 612 175	448.72		
18.0	11 612 180	448.72	11 615 180	570.32
18.5	11 612 185	499.95		
19.0	11 612 190	499.95		
20.0	11 612 200	499.95		
Steel	●		●	
Stainless steel	○		○	
Cast iron	●		●	
Non ferrous metals	○		○	
Heat resistant alloys				

NC Spot Drill, factory standard

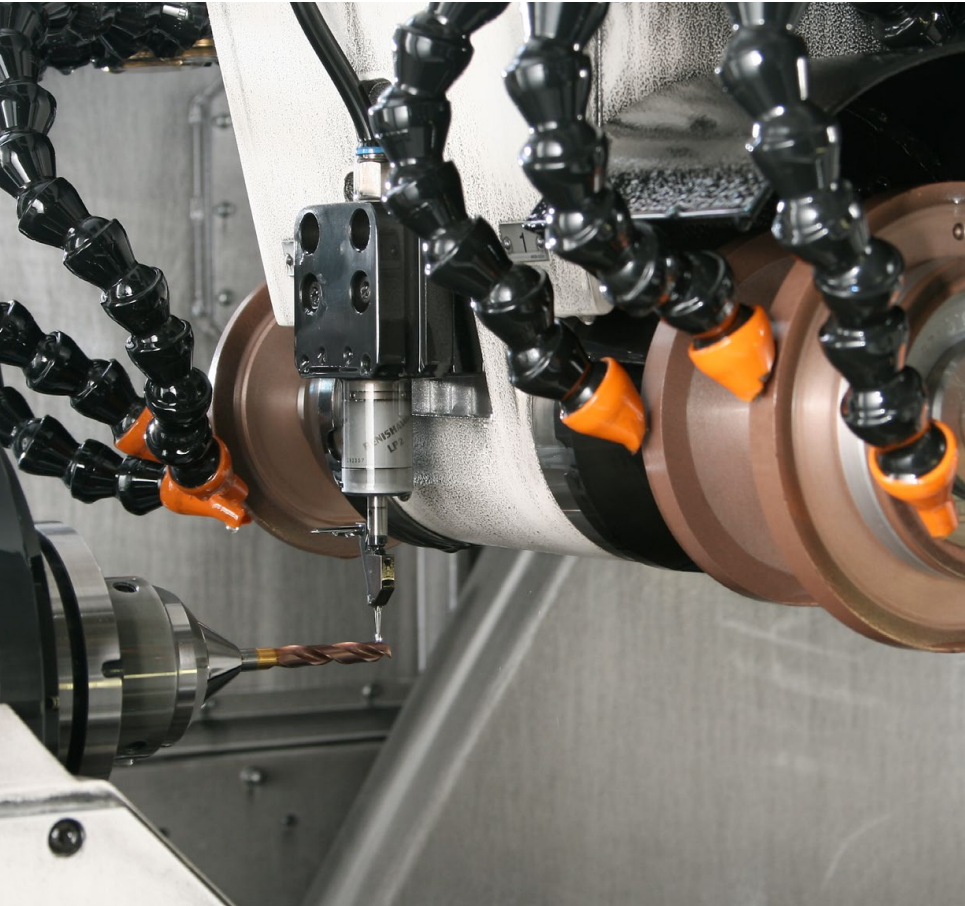
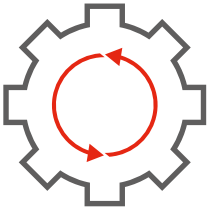


DC _{h5}	Article no.	
	mm	£
2	10 702 002	15.40
3	10 702 003	15.40
4	10 702 004	12.08
5	10 702 005	13.87
6	10 702 006	15.48
8	10 702 008	23.79
10	10 702 010	33.36
12	10 702 012	48.11
14	10 702 014	55.32
16	10 702 016	80.75
18	10 702 018	156.60
20	10 702 020	131.47
Steel	●	
Stainless steel		
Cast iron	●	
Non ferrous metals	●	
Heat resistant alloys		

New for old

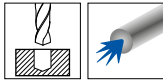
Regrind instead of buying new

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.



WTX – High performance deep hole drills

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



WNT \ Performance



DC _{N7}	mm	Article no.		Article no.		Article no.		Article no.	
			£		£		£		£
	2.0	11 016 020	100.29	11 017 020	100.29	11 020 020	106.11	11 021 020	106.11
	2.2	11 016 022	100.29	11 017 022	100.29	11 020 022	102.52	11 021 022	106.11
	2.3	11 016 023	100.29	11 017 023	100.29	11 020 023	106.11	11 021 023	106.11
	2.4	11 016 024	111.95	11 017 024	111.95	11 020 024	114.92	11 021 024	118.94
	2.5	11 016 025	111.95	11 017 025	111.95	11 020 025	118.94	11 021 025	118.94
	2.7	11 016 027	111.95	11 017 027	111.95	11 020 027	114.92	11 021 027	118.94
	2.8	11 016 028	111.95	11 017 028	111.95	11 020 028	118.94	11 021 028	118.94
	3.0	11 016 030	142.27	11 017 030	142.27	11 020 030	153.23	11 021 030	158.59
	3.2	11 016 032	142.27	11 017 032	142.27	11 020 032	158.59	11 021 032	158.59
	3.3	11 016 033	142.27	11 017 033	142.27	11 020 033	153.23	11 021 033	158.59
	3.5	11 016 035	142.27	11 017 035	142.27	11 020 035	158.59	11 021 035	158.59
	3.8	11 016 038	148.10	11 017 038	148.10	11 020 038	159.99	11 021 038	165.58
	4.0	11 016 040	148.10	11 017 040	148.10	11 020 040	165.58	11 021 040	165.58
	4.2	11 016 042	159.76	11 017 042	159.76	11 020 042	171.25	11 021 042	177.25
	4.5	11 016 045	159.76	11 017 045	159.76	11 020 045	177.25	11 021 045	177.25
	4.8	11 016 048	169.09	11 017 048	169.09	11 020 048	181.39	11 021 048	187.75
	5.0	11 016 050	169.09	11 017 050	169.09	11 020 050	187.75	11 021 050	187.75
	5.5	11 016 055	176.09	11 017 055	176.09	11 020 055	189.29	11 021 055	195.92
	5.8	11 016 058	176.09	11 017 058	176.09	11 020 058	195.92	11 021 058	195.92
	6.0	11 016 060	176.09	11 017 060	176.09	11 020 060	195.92	11 021 060	195.92
	6.5	11 016 065	187.75	11 017 065	187.75	11 020 065	208.74	11 021 065	208.74
	6.8	11 016 068	201.75	11 017 068	201.75	11 020 068	225.07	11 021 068	225.07
	7.0	11 016 070	201.75	11 017 070	201.75	11 020 070	225.07	11 021 070	225.07
	7.5	11 016 075	226.24	11 017 075	226.24	11 020 075	250.72	11 021 075	250.72
	7.8	11 016 078	226.24	11 017 078	226.24	11 020 078	250.72	11 021 078	250.72
	8.0	11 016 080	226.24	11 017 080	226.24	11 020 080	250.72	11 021 080	250.72
	8.5	11 016 085	249.55	11 017 085	249.55	11 020 085	276.37	11 021 085	276.37
	8.8	11 016 088	277.55	11 017 088	277.55	11 020 088	310.19	11 021 088	310.19
	9.0	11 016 090	277.55	11 017 090	277.55	11 020 090	310.19	11 021 090	310.19
	9.8	11 016 098	277.55	11 017 098	277.55	11 020 098	310.19	11 021 098	310.19
	10.0	11 016 100	277.55	11 017 100	277.55	11 020 100	310.19	11 021 100	310.19
	10.2	11 016 102	310.19	11 017 102	310.19	11 020 102	340.51	11 021 102	340.51
	10.8	11 016 108	310.19	11 017 108	299.71	11 020 108	340.51	11 021 108	340.51
	11.8	11 016 118	310.19	11 017 118	310.19	11 020 118	340.51	11 021 118	340.51
	12.0	11 016 120	310.19	11 017 120	299.71	11 020 120	340.51	11 021 120	340.51
Steel			•				•		
Stainless steel			•				•		
Cast iron			•				•		
Non ferrous metals				•				•	
Heat resistant alloys									

Technical support: 0800 073 2 075
3 time served engineers, available from 8:00 am to 6:30 pm, Monday to Friday

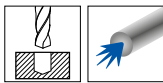


Order by 6:30 pm and get free,
guaranteed before 12 noon, next day delivery



WTX – High performance deep hole drills

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



WNT \ Performance

TB 25
UNI

TiAlN

≤ 25xD

HA

Solid carbide

TB 25
ALU

DLC

≤ 25xD

HA

Solid carbide

TB 30
UNI

TiAlN

≤ 30xD

HA

Solid carbide

TB 30
ALU

DLC

≤ 30xD

HA

Solid carbide

TB 40
UNI

TiAlN

≤ 40xD

HA

Solid carbide

TB 50
UNI

TiAlN

≤ 50xD

HA

Solid carbide

mm	Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
		£		£		£		£		£		£
2.0	11 025 020	113.12	11 026 020	113.12	11 030 020	120.12	11 031 020	120.12				
2.2	11 025 022	113.12	11 026 022	113.12	11 030 022	120.12	11 031 022	120.12				
2.3	11 025 023	113.12	11 026 023	113.12	11 030 023	120.12	11 031 023	120.12				
2.4	11 025 024	128.28	11 026 024	128.28	11 030 024	139.94	11 031 024	139.94				
2.5	11 025 025	128.28	11 026 025	128.28	11 030 025	139.94	11 031 025	139.94				
2.7	11 025 027	128.28	11 026 027	128.28	11 030 027	139.94	11 031 027	139.94				
2.8	11 025 028	128.28	11 026 028	128.28	11 030 028	139.94	11 031 028	139.94				
3.0	11 025 030	184.25	11 026 030	184.25	11 030 030	235.56	11 031 030	235.56	11 040 030	299.69	11 050 030	406.99
3.2	11 025 032	184.25	11 026 032	184.25	11 030 032	235.56	11 031 032	235.56				
3.3	11 025 033	204.07	11 026 033	202.92	11 030 033	242.57	11 031 033	242.57				
3.5	11 025 035	204.07	11 026 035	202.92	11 030 035	242.57	11 031 035	242.57				
3.8	11 025 038	209.90	11 026 038	209.90	11 030 038	242.57	11 031 038	242.57				
4.0	11 025 040	209.90	11 026 040	209.90	11 030 040	242.57	11 031 040	242.57	11 040 040	299.69	11 050 040	406.99
4.2	11 025 042	209.90	11 026 042	209.90	11 030 042	242.57	11 031 042	242.57	11 040 042	331.19	11 050 042	452.46
4.5	11 025 045	219.24	11 026 045	219.24	11 030 045	249.55	11 031 045	249.55	11 040 045	331.19	11 050 045	452.46
4.8	11 025 048	219.24	11 026 048	219.24	11 030 048	249.55	11 031 048	249.55	11 040 048	353.34	11 050 048	510.77
5.0	11 025 050	219.24	11 026 050	219.24	11 030 050	249.55	11 031 050	249.55	11 040 050	353.34	11 050 050	510.77
5.5	11 025 055	235.56	11 026 055	235.56	11 030 055	261.22	11 031 055	261.22	11 040 055	380.16	11 050 055	574.91
5.8	11 025 058	235.56	11 026 058	235.56	11 030 058	261.22	11 031 058	261.22	11 040 058	380.16	11 050 058	583.08
6.0	11 025 060	235.56	11 026 060	235.56	11 030 060	261.22	11 031 060	261.22	11 040 060	380.16	11 050 060	583.08
6.5	11 025 065	262.39	11 026 065	262.39	11 030 065	286.87	11 031 065	286.87	11 040 065	409.32	11 050 065	648.38
6.8	11 025 068	262.39	11 026 068	262.39	11 030 068	299.69	11 031 068	299.69	11 040 068	409.32	11 050 068	703.19
7.0	11 025 070	262.39	11 026 070	262.39	11 030 070	299.69	11 031 070	299.69	11 040 070	409.32		
7.5	11 025 075	291.54	11 026 075	291.54	11 030 075	299.69	11 031 075	299.69	11 040 075	454.79		
7.8	11 025 078	291.54	11 026 078	291.54	11 030 078	333.51	11 031 078	333.51	11 040 078	454.79		
8.0	11 025 080	291.54	11 026 080	291.54	11 030 080	333.51	11 031 080	333.51	11 040 080	454.79		
8.5	11 025 085	328.84	11 026 085	328.84	11 030 085	384.84	11 031 085	384.84	11 040 085	501.44		
8.8	11 025 088	356.84	11 026 088	356.84	11 030 088	404.65	11 031 088	404.65	11 040 088	501.44		
9.0	11 025 090	356.84	11 026 090	356.84	11 030 090	404.65	11 031 090	404.65	11 040 090	501.44		
9.8	11 025 098	356.84	11 026 098	356.84	11 030 098	404.65	11 031 098	404.65				
10.0	11 025 100	356.84	11 026 100	356.84	11 030 100	404.65	11 031 100	404.65				
10.2	11 025 102	429.15	11 026 102	429.15	11 030 102	516.61	11 031 102	516.61				
10.8	11 025 108	429.15	11 026 108	429.15	11 030 108	516.61	11 031 108	516.61				
11.8	11 025 118	429.15	11 026 118	429.15	11 030 118	516.61	11 031 118	516.61				
12.0	11 025 120	429.15	11 026 120	429.15	11 030 120	516.61	11 031 120	516.61				
Steel		•				•				•		•
Stainless steel		•				•				•		•
Cast iron		•				•				•		•
Non ferrous metals			•				•					
Heat resistant alloys												



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

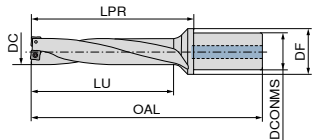
- ▲ ideal for machining under unstable conditions
- ▲ well-suited to machining on less powerful machines
- ▲ the first choice for creating dimensionally accurate holes



MaxiDrill 900

Scope of supply:

Indexable Insert Drill including clamping screws and key

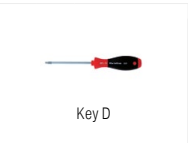


Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	Article no.	
									£
MD900.2D.120.R.03-C20	12.0	28	20	90	24	40	SONT 031804	10 852 120	155.15
MD900.2D.125.R.03-C20	12.5	28	20	91	25	41	SONT 031804	10 852 125	155.15
MD900.2D.130.R.03-C20	13.0	28	20	92	26	42	SONT 031804	10 852 130	155.15
MD900.2D.135.R.03-C20	13.5	28	20	93	27	43	SONT 031804	10 852 135	155.15
MD900.2D.140.R.04-C20	14.0	30	20	96	28	46	SONT 042105	10 852 140	165.14
MD900.2D.145.R.04-C20	14.5	30	20	97	29	47	SONT 042105	10 852 145	165.14
MD900.2D.150.R.04-C20	15.0	30	20	98	30	48	SONT 042105	10 852 150	165.14
MD900.2D.155.R.04-C20	15.5	30	20	99	31	49	SONT 042105	10 852 155	165.14
MD900.2D.160.R.05-C20	16.0	30	20	100	32	50	SONT 052306	10 852 160	165.14
MD900.2D.165.R.05-C20	16.5	30	20	101	33	51	SONT 052306	10 852 165	165.14
MD900.2D.170.R.05-C20	17.0	30	20	102	34	52	SONT 052306	10 852 170	175.76
MD900.2D.175.R.05-C20	17.5	30	20	103	35	53	SONT 052306	10 852 175	175.76
MD900.2D.180.R.06-C25	18.0	32	25	111	36	55	SONT 062506	10 852 180	175.76
MD900.2D.185.R.06-C25	18.5	32	25	112	37	56	SONT 062506	10 852 185	175.76
MD900.2D.190.R.06-C25	19.0	32	25	113	38	57	SONT 062506	10 852 190	188.87
MD900.2D.195.R.06-C25	19.5	32	25	114	39	58	SONT 062506	10 852 195	188.87
MD900.2D.200.R.06-C25	20.0	32	25	115	40	59	SONT 062506	10 852 200	188.87
MD900.2D.205.R.06-C25	20.5	32	25	116	41	60	SONT 062506	10 852 205	188.87
MD900.2D.210.R.07-C25	21.0	32	25	118	42	62	SONT 072907	10 852 210	188.87
MD900.2D.220.R.07-C25	22.0	32	25	120	44	64	SONT 072907	10 852 220	188.87
MD900.2D.230.R.07-C25	23.0	32	25	122	46	66	SONT 072907	10 852 230	194.79
MD900.2D.240.R.08-C32	24.0	40	32	132	48	72	SONT 083308	10 852 240	194.79
MD900.2D.250.R.08-C32	25.0	40	32	134	50	74	SONT 083308	10 852 250	194.79
MD900.2D.260.R.08-C32	26.0	40	32	136	52	76	SONT 083308	10 852 260	215.66
MD900.2D.270.R.08-C32	27.0	40	32	138	54	78	SONT 083308	10 852 270	215.66
MD900.2D.280.R.09-C32	28.0	40	32	140	56	80	SONT 093808	10 852 280	215.66
MD900.2D.290.R.09-C32	29.0	40	32	142	58	82	SONT 093808	10 852 290	215.66
MD900.2D.300.R.09-C32	30.0	40	32	144	60	84	SONT 093808	10 852 300	215.66
MD900.2D.310.R.09-C32	31.0	40	32	146	62	86	SONT 093808	10 852 310	233.93
MD900.2D.320.R.09-C32	32.0	40	32	148	64	88	SONT 093808	10 852 320	233.93
MD900.2D.330.R.10-C40	33.0	50	40	163	66	93	SONT 104408	10 852 330	233.93
MD900.2D.340.R.10-C40	34.0	50	40	165	68	95	SONT 104408	10 852 340	233.93

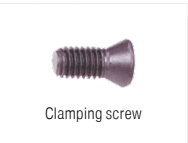
Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	Article no.	
									£
MD900.2D.350.R.10-C40	35.0	50	40	167	70	97	SONT 104408	10 852 350	239.21
MD900.2D.360.R.10-C40	36.0	50	40	169	72	99	SONT 104408	10 852 360	239.21
MD900.2D.370.R.12-C40	37.0	56	40	174	74	104	SONT 124810	10 852 370	246.97
MD900.2D.380.R.12-C40	38.0	56	40	176	76	106	SONT 124810	10 852 380	246.97
MD900.2D.390.R.12-C40	39.0	56	40	178	78	108	SONT 124810	10 852 390	246.97
MD900.2D.400.R.12-C40	40.0	56	40	180	80	110	SONT 124810	10 852 400	246.97
MD900.2D.410.R.12-C40	41.0	56	40	182	82	112	SONT 124810	10 852 410	246.97
MD900.2D.420.R.13-C40	42.0	60	40	187	84	117	SONT 135012	10 852 420	259.45
MD900.2D.430.R.13-C40	43.0	60	40	189	86	119	SONT 135012	10 852 430	259.45
MD900.2D.440.R.13-C40	44.0	60	40	191	88	121	SONT 135012	10 852 440	259.45
MD900.2D.450.R.13-C40	45.0	60	40	193	90	123	SONT 135012	10 852 450	259.45
MD900.2D.460.R.13-C40	46.0	60	40	195	92	125	SONT 135012	10 852 460	259.45
MD900.2D.470.R.15-C40	47.0	60	40	198	94	128	SONT 155312	10 852 470	272.55
MD900.2D.480.R.15-C40	48.0	60	40	200	96	130	SONT 155312	10 852 480	272.55
MD900.2D.490.R.15-C40	49.0	60	40	202	98	132	SONT 155312	10 852 490	294.06
MD900.2D.500.R.15-C40	50.0	60	40	204	100	134	SONT 155312	10 852 500	294.06
MD900.2D.510.R.15-C40	52.0	60	40	208	104	138	SONT 155312	10 852 520	301.95
MD900.2D.520.R.15-C40	51.0	60	40	206	102	136	SONT 155312	10 852 510	301.95
MD900.2D.530.R.15-C40	53.0	60	40	210	106	140	SONT 155312	10 852 530	301.95
MD900.2D.540.R.15-C40	54.0	60	40	212	108	142	SONT 155312	10 852 540	301.95
MD900.2D.550.R.17-C40	55.0	60	40	215	110	145	SONT 175612	10 852 550	301.95
MD900.2D.560.R.17-C40	56.0	60	40	217	112	147	SONT 175612	10 852 560	313.03
MD900.2D.570.R.17-C40	57.0	60	40	219	114	149	SONT 175612	10 852 570	313.03
MD900.2D.580.R.17-C40	58.0	60	40	221	116	151	SONT 175612	10 852 580	313.03
MD900.2D.590.R.17-C40	59.0	60	40	223	118	153	SONT 175612	10 852 590	313.03
MD900.2D.600.R.17-C40	60.0	62	40	225	120	155	SONT 175612	10 852 600	313.03
MD900.2D.610.R.17-C40	61.0	62	40	227	122	157	SONT 175612	10 852 610	313.03
MD900.2D.620.R.17-C40	62.0	64	40	229	124	159	SONT 175612	10 852 620	313.03
MD900.2D.630.R.17-C40	63.0	64	40	231	126	161	SONT 175612	10 852 630	313.03

Spare parts
DC

	Article no.			Article no.		
		£			£	
12 - 13,5	T06 - IP	7.52	80 950 123	M1,8x3,6 - IP	2.85	70 950 862
14 - 17,5	T06 - IP	7.52	80 950 123	M2x4,3 - IP	2.53	70 950 863
18 - 23	T07 - IP	7.42	80 950 124	M2,2x5 - IP	2.46	70 950 856
24 - 27	T08 - IP	7.42	80 950 125	M2,5x6 - IP	3.16	70 950 857
28 - 32	T09 - IP	8.12	80 950 126	M3x7 - IP	2.42	70 950 819
33 - 41	T15 - IP	8.67	80 950 128	M3,5x8,6 - IP	2.42	70 950 859
42 - 63	T20 - IP	9.11	80 950 129	M4,5x10,5 - IP	2.42	70 950 864



Key D



Clamping screw

Technical support: 0800 073 2 075

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

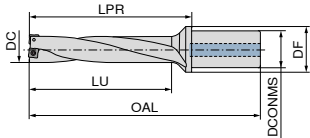


Order by 6:30 pm and get free,
guaranteed before 12 noon, next day delivery



MaxiDrill 900

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



≤ 3xD



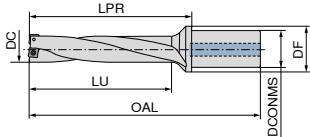
KOMET \ Performance

Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	Article no.	
								£	
MD900.3D.120.R.03-C20	12.0	28	20	102	36.0	52	SONT 031804	10 853 120	165.26
MD900.3D.125.R.03-C20	12.5	28	20	104	37.5	54	SONT 031804	10 853 125	165.26
MD900.3D.130.R.03-C20	13.0	28	20	105	39.0	55	SONT 031804	10 853 130	165.26
MD900.3D.135.R.03-C20	13.5	28	20	107	40.5	57	SONT 031804	10 853 135	165.26
MD900.3D.140.R.04-C20	14.0	30	20	109	42.0	59	SONT 042105	10 853 140	174.05
MD900.3D.145.R.04-C20	14.5	30	20	111	44.0	61	SONT 042105	10 853 145	174.05
MD900.3D.150.R.04-C20	15.0	30	20	112	45.0	62	SONT 042105	10 853 150	174.05
MD900.3D.155.R.04-C20	15.5	30	20	114	47.0	64	SONT 042105	10 853 155	178.19
MD900.3D.160.R.05-C20	16.0	30	20	115	48.0	65	SONT 052306	10 853 160	178.19
MD900.3D.165.R.05-C20	16.5	30	20	117	50.0	67	SONT 052306	10 853 165	178.19
MD900.3D.170.R.05-C20	17.0	30	20	118	51.0	68	SONT 052306	10 853 170	185.05
MD900.3D.175.R.05-C20	17.5	30	20	120	53.0	70	SONT 052306	10 853 175	185.05
MD900.3D.180.R.06-C25	18.0	32	25	128	54.0	72	SONT 062506	10 853 180	185.05
MD900.3D.185.R.06-C25	18.5	32	25	130	56.0	74	SONT 062506	10 853 185	185.05
MD900.3D.190.R.06-C25	19.0	32	25	131	57.0	75	SONT 062506	10 853 190	198.80
MD900.3D.195.R.06-C25	19.5	32	25	133	59.0	77	SONT 062506	10 853 195	198.80
MD900.3D.200.R.06-C25	20.0	32	25	134	60.0	78	SONT 062506	10 853 200	198.80
MD900.3D.205.R.06-C25	20.5	32	25	136	62.0	80	SONT 062506	10 853 205	198.80
MD900.3D.210.R.07-C25	21.0	32	25	138	63.0	82	SONT 072907	10 853 210	198.80
MD900.3D.215.R.07-C25	21.5	32	25	140	65.0	84	SONT 072907	10 853 215	198.80
MD900.3D.220.R.07-C25	22.0	32	25	141	66.0	85	SONT 072907	10 853 220	198.80
MD900.3D.225.R.07-C25	22.5	32	25	143	68.0	87	SONT 072907	10 853 225	204.97
MD900.3D.230.R.07-C25	23.0	32	25	144	69.0	88	SONT 072907	10 853 230	204.97
MD900.3D.235.R.07-C25	23.5	32	25	146	71.0	90	SONT 072907	10 853 235	204.97
MD900.3D.240.R.08-C32	24.0	40	32	155	72.0	95	SONT 083308	10 853 240	204.97
MD900.3D.245.R.08-C32	24.5	40	32	157	74.0	97	SONT 083308	10 853 245	204.97
MD900.3D.250.R.08-C32	25.0	40	32	158	75.0	98	SONT 083308	10 853 250	204.97
MD900.3D.255.R.08-C32	25.5	40	32	160	77.0	100	SONT 083308	10 853 255	204.97
MD900.3D.260.R.08-C32	26.0	40	32	161	78.0	101	SONT 083308	10 853 260	226.99
MD900.3D.265.R.08-C32	26.5	40	32	163	80.0	103	SONT 083308	10 853 265	226.99
MD900.3D.270.R.08-C32	27.0	40	32	164	81.0	104	SONT 083308	10 853 270	226.99
MD900.3D.275.R.08-C32	27.5	40	32	166	83.0	106	SONT 083308	10 853 275	226.99
MD900.3D.280.R.09-C32	28.0	40	32	167	84.0	107	SONT 093808	10 853 280	226.99
MD900.3D.285.R.09-C32	28.5	40	32	169	86.0	109	SONT 093808	10 853 285	226.99
MD900.3D.290.R.09-C32	29.0	40	32	170	87.0	110	SONT 093808	10 853 290	226.99
MD900.3D.295.R.09-C32	29.5	40	32	172	89.0	112	SONT 093808	10 853 295	226.99
MD900.3D.300.R.09-C32	30.0	40	32	173	90.0	113	SONT 093808	10 853 300	226.99
MD900.3D.305.R.09-C32	30.5	40	32	175	92.0	115	SONT 093808	10 853 305	226.99
MD900.3D.310.R.09-C32	31.0	40	32	176	93.0	116	SONT 093808	10 853 310	246.27
MD900.3D.315.R.09-C32	31.5	40	32	178	95.0	118	SONT 093808	10 853 315	246.27

Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	Article no.	
								£	
MD900.3D.320.R.09-C32	32.0	40	32	179	96.0	119	SONT 093808	10 853 320	246.27
MD900.3D.325.R.10-C40	32.5	50	40	192	98.0	124	SONT 104408	10 853 325	246.27
MD900.3D.330.R.10-C40	33.0	50	40	193	99.0	125	SONT 104408	10 853 330	246.27
MD900.3D.335.R.10-C40	33.5	50	40	195	101.0	127	SONT 104408	10 853 335	246.27
MD900.3D.340.R.10-C40	34.0	50	40	196	102.0	128	SONT 104408	10 853 340	246.27
MD900.3D.345.R.10-C40	34.5	50	40	198	104.0	130	SONT 104408	10 853 345	246.27
MD900.3D.350.R.10-C40	35.0	50	40	199	105.0	131	SONT 104408	10 853 350	251.75
MD900.3D.355.R.10-C40	35.5	50	40	201	107.0	133	SONT 104408	10 853 355	251.75
MD900.3D.360.R.10-C40	36.0	50	40	202	108.0	134	SONT 104408	10 853 360	251.75
MD900.3D.365.R.10-C40	36.5	50	40	204	110.0	136	SONT 104408	10 853 365	251.75
MD900.3D.370.R.12-C40	37.0	56	40	211	111.0	141	SONT 124810	10 853 370	260.02
MD900.3D.380.R.12-C40	38.0	56	40	214	114.0	144	SONT 124810	10 853 380	260.02
MD900.3D.390.R.12-C40	39.0	56	40	217	117.0	147	SONT 124810	10 853 390	260.02
MD900.3D.400.R.12-C40	40.0	56	40	220	120.0	150	SONT 124810	10 853 400	260.02
MD900.3D.410.R.12-C40	41.0	56	40	223	123.0	153	SONT 124810	10 853 410	260.02
MD900.3D.420.R.13-C40	42.0	60	40	229	126.0	159	SONT 135012	10 853 420	273.06
MD900.3D.430.R.13-C40	43.0	60	40	232	129.0	162	SONT 135012	10 853 430	273.06
MD900.3D.440.R.13-C40	44.0	60	40	235	132.0	165	SONT 135012	10 853 440	273.06
MD900.3D.450.R.13-C40	45.0	60	40	238	135.0	168	SONT 135012	10 853 450	273.06
MD900.3D.460.R.13-C40	46.0	60	40	241	138.0	171	SONT 135012	10 853 460	273.06
MD900.3D.470.R.15-C40	47.0	60	40	245	141.0	175	SONT 155312	10 853 470	286.81
MD900.3D.480.R.15-C40	48.0	60	40	248	144.0	178	SONT 155312	10 853 480	286.81
MD900.3D.490.R.15-C40	49.0	60	40	251	147.0	181	SONT 155312	10 853 490	309.53
MD900.3D.500.R.15-C40	50.0	60	40	254	150.0	184	SONT 155312	10 853 500	309.53
MD900.3D.510.R.15-C40	51.0	60	40	257	153.0	187	SONT 155312	10 853 510	317.80
MD900.3D.520.R.15-C40	52.0	60	40	260	156.0	190	SONT 155312	10 853 520	317.80
MD900.3D.530.R.15-C40	53.0	60	40	263	159.0	193	SONT 155312	10 853 530	317.80
MD900.3D.540.R.15-C40	54.0	60	40	266	162.0	196	SONT 155312	10 853 540	317.80
MD900.3D.550.R.17-C40	55.0	60	40	270	165.0	200	SONT 175612	10 853 550	317.80
MD900.3D.560.R.17-C40	56.0	60	40	273	168.0	203	SONT 175612	10 853 560	329.51
MD900.3D.570.R.17-C40	57.0	60	40	276	171.0	206	SONT 175612	10 853 570	329.51
MD900.3D.580.R.17-C40	58.0	60	40	279	174.0	209	SONT 175612	10 853 580	329.51
MD900.3D.590.R.17-C40	59.0	60	40	282	177.0	212	SONT 175612	10 853 590	329.51
MD900.3D.600.R.17-C40	60.0	62	40	285	180.0	215	SONT 175612	10 853 600	329.51
MD900.3D.610.R.17-C40	61.0	62	40	288	183.0	218	SONT 175612	10 853 610	329.51
MD900.3D.620.R.17-C40	62.0	64	40	291	186.0	221	SONT 175612	10 853 620	329.51
MD900.3D.630.R.17-C40	63.0	64	40	294	189.0	224	SONT 175612	10 853 630	329.51

MaxiDrill 900

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



≤ 4xD

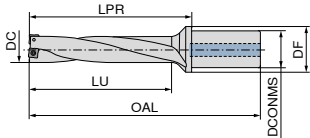


KOMET \ Performance

Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	Article no.	
	mm	mm	mm	mm	mm	mm			£
MD900.4D.120.R.03-C20	12	28	20	114	48	64	SONT 031804	10 854 120	227.95
MD900.4D.130.R.03-C20	13	28	20	118	52	68	SONT 031804	10 854 130	227.95
MD900.4D.140.R.04-C20	14	30	20	123	56	73	SONT 042105	10 854 140	234.56
MD900.4D.150.R.04-C20	15	30	20	127	60	77	SONT 042105	10 854 150	234.56
MD900.4D.160.R.05-C20	16	30	20	131	64	81	SONT 052306	10 854 160	240.04
MD900.4D.170.R.05-C20	17	30	20	135	68	85	SONT 052306	10 854 170	249.07
MD900.4D.180.R.06-C25	18	32	25	146	72	90	SONT 062506	10 854 180	249.07
MD900.4D.190.R.06-C25	19	32	25	150	76	94	SONT 062506	10 854 190	267.59
MD900.4D.200.R.06-C25	20	32	25	154	80	98	SONT 062506	10 854 200	267.59
MD900.4D.210.R.07-C25	21	32	25	159	84	103	SONT 072907	10 854 210	267.59
MD900.4D.220.R.07-C25	22	32	25	163	88	107	SONT 072907	10 854 220	267.59
MD900.4D.230.R.07-C25	23	32	25	167	92	111	SONT 072907	10 854 230	276.50
MD900.4D.240.R.08-C32	24	40	32	179	96	119	SONT 083308	10 854 240	276.50
MD900.4D.250.R.08-C32	25	40	32	183	100	123	SONT 083308	10 854 250	276.50
MD900.4D.260.R.08-C32	26	40	32	187	104	127	SONT 083308	10 854 260	305.45
MD900.4D.270.R.08-C32	27	40	32	191	108	131	SONT 083308	10 854 270	305.45
MD900.4D.280.R.09-C32	28	40	32	195	112	135	SONT 093808	10 854 280	305.45
MD900.4D.290.R.09-C32	29	40	32	199	116	139	SONT 093808	10 854 290	305.45
MD900.4D.300.R.09-C32	30	40	32	203	120	143	SONT 093808	10 854 300	305.45
MD900.4D.310.R.09-C32	31	40	32	207	124	147	SONT 093808	10 854 310	331.55
MD900.4D.320.R.09-C32	32	40	32	211	128	151	SONT 093808	10 854 320	331.55
MD900.4D.330.R.10-C40	33	50	40	228	132	158	SONT 104408	10 854 330	331.55
MD900.4D.340.R.10-C40	34	50	40	232	136	162	SONT 104408	10 854 340	331.55
MD900.4D.350.R.10-C40	35	50	40	236	140	166	SONT 104408	10 854 350	338.40

MaxiDrill 900

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



Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	Article no.	
									£
MD900.5D.120.R.03-C20	12	28	20	126	60	76	SONT 031804	10 855 120	272.49
MD900.5D.130.R.03-C20	13	28	20	131	65	81	SONT 031804	10 855 130	272.49
MD900.5D.140.R.04-C20	14	30	20	137	70	87	SONT 042105	10 855 140	278.60
MD900.5D.150.R.04-C20	15	30	20	142	75	92	SONT 042105	10 855 150	278.60
MD900.5D.160.R.05-C20	16	30	20	147	80	97	SONT 052306	10 855 160	285.47
MD900.5D.170.R.05-C20	17	30	20	152	85	102	SONT 052306	10 855 170	295.79
MD900.5D.180.R.06-C25	18	32	25	164	90	108	SONT 062506	10 855 180	295.79
MD900.5D.190.R.06-C25	19	32	25	169	95	113	SONT 062506	10 855 190	317.80
MD900.5D.200.R.06-C25	20	32	25	174	100	118	SONT 062506	10 855 200	317.80
MD900.5D.210.R.07-C25	21	32	25	180	105	124	SONT 072907	10 855 210	317.80
MD900.5D.220.R.07-C25	22	32	25	184	110	128	SONT 072907	10 855 220	317.80
MD900.5D.230.R.07-C25	23	32	25	189	115	133	SONT 072907	10 855 230	329.13
MD900.5D.240.R.08-C32	24	40	32	203	120	143	SONT 083308	10 855 240	329.13
MD900.5D.250.R.08-C32	25	40	32	208	125	148	SONT 083308	10 855 250	329.13
MD900.5D.260.R.08-C32	26	40	32	212	130	152	SONT 083308	10 855 260	363.24



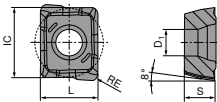
Designation	DC	DF	DCONMS	OAL	LU	LPR	Insert	Article no.	
									£
MD900.5D.270.R.08-C32	27	40	32	217	135	157	SONT 083308	10 855 270	363.24
MD900.5D.280.R.09-C32	28	40	32	221	140	161	SONT 093808	10 855 280	363.24
MD900.5D.290.R.09-C32	29	40	32	226	145	166	SONT 093808	10 855 290	363.24
MD900.5D.300.R.09-C32	30	40	32	230	150	170	SONT 093808	10 855 300	363.24
MD900.5D.310.R.09-C32	31	40	32	235	155	175	SONT 093808	10 855 310	393.46
MD900.5D.320.R.09-C32	32	40	32	239	160	179	SONT 093808	10 855 320	393.46
MD900.5D.330.R.10-C40	33	50	40	259	165	191	SONT 104408	10 855 330	393.46
MD900.5D.340.R.10-C40	34	50	40	264	170	196	SONT 104408	10 855 340	393.46
MD900.5D.350.R.10-C40	35	50	40	269	175	201	SONT 104408	10 855 350	402.37
MD900.5D.360.R.10-C40	36	50	40	274	180	206	SONT 104408	10 855 360	402.37
MD900.5D.370.R.12-C40	37	56	40	285	185	215	SONT 124810	10 855 370	416.19
MD900.5D.380.R.12-C40	38	56	40	290	190	220	SONT 124810	10 855 380	416.19
MD900.5D.390.R.12-C40	39	56	40	295	195	225	SONT 124810	10 855 390	416.19
MD900.5D.400.R.12-C40	40	56	40	300	200	230	SONT 124810	10 855 400	416.19
MD900.5D.410.R.12-C40	41	56	40	305	205	235	SONT 124810	10 855 410	416.19

Spare parts

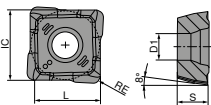
DC						
		£			£	
12 - 13	T06 - IP	7.52	80 950 123	M1,8x3,6 - IP	2.85	70 950 862
14 - 17	T06 - IP	7.52	80 950 123	M2x4,3 - IP	2.53	70 950 863
18 - 23	T07 - IP	7.42	80 950 124	M2,2x5 - IP	2.46	70 950 856
24 - 27	T08 - IP	7.42	80 950 125	M2,5x6 - IP	3.16	70 950 857
28 - 32	T09 - IP	8.12	80 950 126	M3x7 - IP	2.42	70 950 819
33 - 41	T15 - IP	8.67	80 950 128	M3,5x8,6 - IP	2.42	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



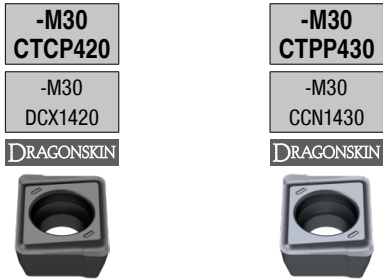
SONT 03..



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

SONT

KOMET \ Performance

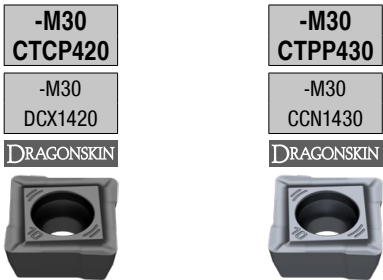


ISO	RE	Article no.		Article no.	
	mm		£		£
031804	0.4	10 830 703 ¹⁾	8.26	10 830 103 ¹⁾	8.26
Steel		●		●	
Stainless steel		○		●	
Cast iron		●		○	
Non ferrous metals				○	
Heat resistant alloys				○	

1) two usable cutting edges

SONT

KOMET \ Performance



ISO	RE	Article no.		Article no.	
	mm		£		£
042105	0.5	10 830 704	9.47	10 830 104	9.47
052306	0.6	10 830 705	9.59	10 830 105	9.59
062506	0.6	10 830 706	9.75	10 830 106	9.75
072907	0.7	10 830 707	9.97	10 830 107	9.97
083308	0.8	10 830 708	10.19	10 830 108	10.19
093808	0.8	10 830 709	10.43	10 830 109	10.43
104408	0.8	10 830 710	10.93	10 830 110	10.93
124810	1.0	10 830 712	11.58	10 830 112	11.58
135012	1.2	10 830 713	12.26	10 830 113	12.26
155312	1.2	10 830 715	13.91	10 830 115	13.91
175612	1.2	10 830 717	14.74	10 830 117	14.74

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

Technical support: 0800 073 2 075

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

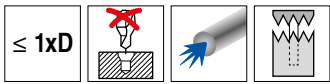


Order by 6:30 pm and get free,
guaranteed before 12 noon, next day delivery

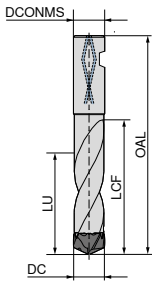


WTX – Holder for Exchangeable drills

▲ with radial teeth



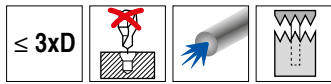
WNT \ Performance



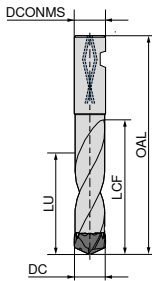
DC	DCONMS _{h6}	OAL	LCF	LU	Article no.	
mm	mm	mm	mm	mm		£
12,00 - 12,49	14	81	29	12.5	10 911 120	211.60
12,50 - 12,99	14	81	29	13.0	10 911 125	211.60
13,00 - 13,49	14	81	31	13.5	10 911 130	211.60
13,50 - 13,99	16	86	32	14.0	10 911 135	211.60
14,00 - 14,49	16	86	33	14.5	10 911 140	211.60
14,50 - 14,99	16	91	34	15.0	10 911 145	211.60
15,00 - 15,49	16	91	36	15.5	10 911 150	211.60
15,50 - 16,49	20	97	38	16.5	10 911 161	218.63
15,50 - 16,49	18	92	38	16.5	10 911 160	218.63
16,50 - 17,49	18	94	40	17.5	10 911 165	218.63
16,50 - 17,49	20	99	40	17.5	10 911 166	218.63
17,50 - 18,49	20	104	43	18.5	10 911 176	218.63
17,50 - 18,49	18	99	43	18.5	10 911 175	218.63
18,50 - 19,49	20	99	45	19.5	10 911 185	258.38
19,50 - 20,49	20	104	47	20.5	10 911 195	258.38
20,50 - 21,49	25	111	49	21.5	10 911 205	286.43
21,50 - 22,49	25	116	52	22.5	10 911 215	286.43
22,50 - 23,49	25	116	54	23.5	10 911 225	313.34
23,50 - 24,49	25	121	56	24.5	10 911 235	313.34
24,50 - 25,49	25	123	59	25.5	10 911 245	340.21
25,50 - 26,49	25	123	61	26.5	10 911 255	340.21
26,50 - 27,49	25	128	63	27.5	10 911 265	340.21
27,50 - 28,49	25	128	66	28.5	10 911 275	340.21
28,50 - 29,49	32	134	68	29.5	10 911 285	395.16
29,50 - 30,49	32	139	70	30.5	10 911 295	395.16
30,50 - 31,49	32	139	75	31.5	10 911 305	436.07
31,50 - 32,49	32	139	75	32.5	10 911 315	436.07
32,50 - 33,49	32	150	78	33.5	10 911 325	469.98
33,50 - 34,49	32	150	79	34.5	10 911 335	469.98
34,50 - 35,49	32	150	82	35.5	10 911 345	469.98
35,50 - 37,49	32	152	86	37.5	10 911 355	541.30
37,50 - 39,49	32	157	91	39.5	10 911 375	561.18
39,50 - 41,00	32	167	95	41.5	10 911 395	575.21

WTX – Holder for Exchangeable drills

▲ with radial teeth



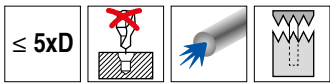
WNT \ Performance



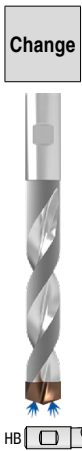
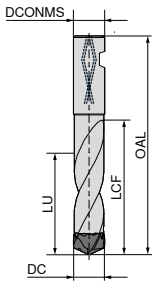
DC	DCONMS _{h6}	OAL	LCF	LU	Article no.	
mm	mm	mm	mm	mm		£
12,00 - 12,49	14	100	53	38.0	10 913 120	239.26
12,50 - 12,99	14	105	55	39.0	10 913 125	239.26
13,00 - 13,49	14	105	57	40.0	10 913 130	239.26
13,50 - 13,99	16	110	59	42.0	10 913 135	239.26
14,00 - 14,49	16	115	61	43.0	10 913 140	239.26
14,50 - 14,99	16	115	63	45.0	10 913 145	239.26
15,00 - 15,49	16	115	65	46.0	10 913 150	239.26
15,50 - 16,49	20	125	70	50.0	10 913 161	233.38
15,50 - 16,49	18	120	70	50.0	10 913 160	233.38
16,50 - 17,49	18	125	74	53.0	10 913 165	233.38
16,50 - 17,49	20	130	74	50.0	10 913 166	233.38
17,50 - 18,49	20	135	78	50.0	10 913 176	233.38
17,50 - 18,49	18	130	78	55.0	10 913 175	233.38
18,50 - 19,49	20	135	82	58.0	10 913 185	275.99
19,50 - 20,49	20	140	87	62.0	10 913 195	275.99
20,50 - 21,49	25	150	91	65.0	10 913 205	304.77
21,50 - 22,49	25	155	95	67.0	10 913 215	304.77
22,50 - 23,49	25	160	99	70.0	10 913 225	333.65
23,50 - 24,49	25	165	103	73.0	10 913 235	333.65
24,50 - 25,49	25	165	108	77.0	10 913 245	362.39
25,50 - 26,49	25	175	112	80.0	10 913 255	362.39
26,50 - 27,49	25	175	116	82.0	10 913 265	362.39
27,50 - 28,49	25	180	120	85.0	10 913 275	362.39
28,50 - 29,49	32	190	124	88.0	10 913 285	420.08
29,50 - 30,49	32	195	129	92.0	10 913 295	420.08
30,50 - 31,49	32	195	133	94.0	10 913 305	464.00
31,50 - 32,49	32	200	137	97.0	10 913 315	464.00
32,50 - 33,49	32	210	144	100.5	10 913 325	547.15
33,50 - 34,49	32	215	148	103.5	10 913 335	547.15
34,50 - 35,49	32	220	153	106.5	10 913 345	547.15
35,50 - 37,49	32	227	161	112.5	10 913 355	628.99
37,50 - 39,49	32	237	170	118.5	10 913 375	652.37
39,50 - 41,00	32	247	178	124.5	10 913 395	668.75

WTX – Holder for Exchangeable drills

▲ with radial teeth



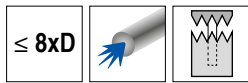
WNT \ Performance



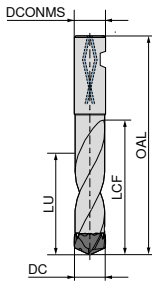
DC	DCONMS _{h6}	OAL	LCF	LU	Article no.	
mm	mm	mm	mm	mm		£
12,00 - 12,49	14	125	78	62.0	10 915 120	269.33
12,50 - 12,99	14	130	81	65.0	10 915 125	269.33
13,00 - 13,49	14	130	84	67.0	10 915 130	269.33
13,50 - 13,99	16	140	88	70.0	10 915 135	269.33
14,00 - 14,49	16	140	90	72.0	10 915 140	269.33
14,50 - 14,99	16	145	94	75.0	10 915 145	269.33
15,00 - 15,49	16	145	96	77.0	10 915 150	269.33
15,50 - 16,49	20	160	103	82.0	10 915 161	275.99
15,50 - 16,49	18	155	103	82.0	10 915 160	275.99
16,50 - 17,49	18	160	109	87.0	10 915 165	275.99
16,50 - 17,49	20	165	109	87.0	10 915 166	275.99
17,50 - 18,49	20	170	115	92.0	10 915 176	275.99
17,50 - 18,49	18	165	115	92.0	10 915 175	275.99
18,50 - 19,49	20	175	121	97.0	10 915 185	319.92
19,50 - 20,49	20	180	128	102.0	10 915 195	319.92
20,50 - 21,49	25	195	134	107.0	10 915 205	347.38
21,50 - 22,49	25	200	140	112.0	10 915 215	347.38
22,50 - 23,49	25	205	146	117.0	10 915 225	377.57
23,50 - 24,49	25	210	152	122.0	10 915 235	377.57
24,50 - 25,49	25	220	159	127.0	10 915 245	406.35
25,50 - 26,49	25	225	165	132.0	10 915 255	406.35
26,50 - 27,49	25	230	171	137.0	10 915 265	406.35
27,50 - 28,49	25	240	177	142.0	10 915 275	406.35
28,50 - 29,49	32	250	183	146.0	10 915 285	464.00
29,50 - 30,49	32	255	190	152.0	10 915 295	464.00
30,50 - 31,49	32	260	196	157.0	10 915 305	506.60
31,50 - 32,49	32	265	202	162.0	10 915 315	506.60
32,50 - 33,49	32	275	210	167.5	10 915 325	618.46
33,50 - 34,49	32	285	217	172.5	10 915 335	618.46
34,50 - 35,49	32	290	224	177.5	10 915 345	618.46
35,50 - 37,49	32	302	236	187.5	10 915 355	695.61
37,50 - 39,49	32	317	249	197.5	10 915 375	721.36
39,50 - 41,00	32	327	261	207.5	10 915 395	737.70

WTX – Holder for Exchangeable drills

▲ with radial teeth



WNT \ Performance



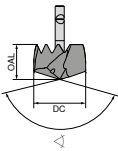
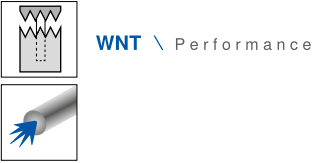
DC	DCONMS _{h6}	OAL	LCF	LU	Article no.	
mm	mm	mm	mm	mm		£
12,00 - 12,49	14	165	116	100	10 918 120	342.54
12,50 - 12,99	14	170	121	104	10 918 125	342.54
13,00 - 13,49	14	175	126	108	10 918 130	342.54
13,50 - 13,99	16	180	129	111	10 918 135	342.54
14,00 - 14,49	16	185	134	115	10 918 140	342.54
14,50 - 14,99	16	190	139	120	10 918 145	342.54
15,00 - 15,49	16	195	144	124	10 918 150	342.54
15,50 - 16,49	20	210	152	131	10 918 161	349.08
15,50 - 16,49	18	205	152	131	10 918 160	349.08
16,50 - 17,49	20	220	161	138	10 918 166	349.08
16,50 - 17,49	18	215	161	138	10 918 165	349.08
17,50 - 18,49	18	220	171	147	10 918 175	349.08
17,50 - 18,49	20	225	171	147	10 918 176	349.08
18,50 - 19,49	20	235	180	155	10 918 185	401.37
19,50 - 20,49	20	240	189	163	10 918 195	401.37
20,50 - 21,49	25	260	198	170	10 918 205	436.67
21,50 - 22,49	25	270	207	178	10 918 215	436.67
22,50 - 23,49	25	275	217	187	10 918 225	490.28
23,50 - 24,49	25	285	226	194	10 918 235	490.28
24,50 - 25,49	25	295	235	202	10 918 245	560.85
25,50 - 26,49	25	305	244	210	10 918 255	560.85
26,50 - 27,49	25	315	253	218	10 918 265	560.85
27,50 - 28,49	25	325	263	226	10 918 275	560.85
28,50 - 29,49	32	340	272	234	10 918 285	648.46
29,50 - 30,49	32	345	281	242	10 918 295	648.46
30,50 - 31,49	32	355	290	249	10 918 305	719.07
31,50 - 32,00	32	360	299	257	10 918 315	719.07

Drilling Head for Exchangeable drills can be found on → Page 19.



WTX – Drilling Head for Exchangeable drills

▲ extra long head type



Change
UNI

DPX74S



140°
Solid carbide

Change
VA

Ti700



138°
Solid carbide

Change
AL

TiB



140°
Solid carbide

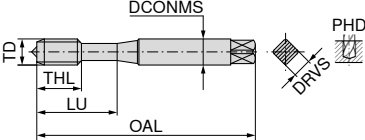
DC h7/m7	OAL	Article no.		Article no.		Article no.	
			£		£		£
mm	mm						
12.0	10.7	10 919 12000	90.43	10 921 120	90.43	10 922 120	90.43
12.1	10.7	10 919 12100	90.43	10 921 121	90.43	10 922 121	90.43
12.2	10.7	10 919 12200	90.43	10 921 122	90.43	10 922 122	90.43
12.3	10.7	10 919 12300	90.43	10 921 123	90.43	10 922 123	90.43
12.4	10.7	10 919 12400	90.43	10 921 124	90.43	10 922 124	90.43
12.5	10.7	10 919 12500	90.43	10 921 125	90.43	10 922 125	90.43
12.6	10.7	10 919 12600	90.43	10 921 126	90.43	10 922 126	90.43
12.7	10.7	10 919 12700	90.43	10 921 127	90.43	10 922 127	90.43
12.8	10.7	10 919 12800	90.43	10 921 128	90.43	10 922 128	90.43
12.9	10.7	10 919 12900	90.43	10 921 129	90.43	10 922 129	90.43
13.0	10.7	10 919 13000	90.43	10 921 130	90.43	10 922 130	90.43
13.1	10.7	10 919 13100	90.43	10 921 131	90.43	10 922 131	90.43
13.2	10.7	10 919 13200	90.43	10 921 132	90.43	10 922 132	90.43
13.3	10.7	10 919 13300	90.43	10 921 133	90.43	10 922 133	90.43
13.4	10.7	10 919 13400	90.43	10 921 134	90.43	10 922 134	90.43
13.5	11.3	10 919 13500	90.43	10 921 135	90.43	10 922 135	90.43
13.6	11.3	10 919 13600	90.43	10 921 136	90.43	10 922 136	90.43
13.7	11.3	10 919 13700	90.43	10 921 137	90.43	10 922 137	90.43
13.8	11.3	10 919 13800	90.43	10 921 138	90.43	10 922 138	90.43
13.9	11.3	10 919 13900	90.43	10 921 139	90.43	10 922 139	90.43
14.0	11.3	10 919 14000	90.43	10 921 140	90.43	10 922 140	90.43
14.1	11.3	10 919 14100	90.43	10 921 141	90.43	10 922 141	90.43
14.2	11.3	10 919 14200	90.43	10 921 142	90.43	10 922 142	90.43
14.3	11.3	10 919 14300	90.43	10 921 143	90.43	10 922 143	90.43
14.4	11.3	10 919 14400	90.43	10 921 144	90.43	10 922 144	90.43
14.5	11.3	10 919 14500	90.43	10 921 145	90.43	10 922 145	90.43
14.6	11.3	10 919 14600	90.43	10 921 146	90.43	10 922 146	90.43
14.7	11.3	10 919 14700	90.43	10 921 147	90.43	10 922 147	90.43
14.8	11.3	10 919 14800	90.43	10 921 148	90.43	10 922 148	90.43
14.9	11.3	10 919 14900	90.43	10 921 149	90.43	10 922 149	90.43
15.0	11.3	10 919 15000	90.43	10 921 150	90.43	10 922 150	90.43
15.1	11.3	10 919 15100	90.43	10 921 151	90.43	10 922 151	90.43
15.2	11.3	10 919 15200	90.43	10 921 152	90.43	10 922 152	90.43
15.3	11.3	10 919 15300	90.43	10 921 153	90.43	10 922 153	90.43
15.4	11.3	10 919 15400	90.43	10 921 154	90.43	10 922 154	90.43
15.5	11.9	10 919 15500	90.43	10 921 155	90.43	10 922 155	90.43
15.6	11.9	10 919 15600	90.43	10 921 156	90.43	10 922 156	90.43
15.7	11.9	10 919 15700	90.43	10 921 157	90.43	10 922 157	90.43
15.8	11.9	10 919 15800	90.43	10 921 158	90.43	10 922 158	90.43
15.9	11.9	10 919 15900	90.43	10 921 159	90.43	10 922 159	90.43
16.0	11.9	10 919 16000	90.43	10 921 160	90.43	10 922 160	90.43
16.1	11.9	10 919 16100	90.43	10 921 161	90.43	10 922 161	90.43
16.2	11.9	10 919 16200	90.43	10 921 162	90.43	10 922 162	90.43
16.3	11.9	10 919 16300	90.43	10 921 163	90.43	10 922 163	90.43
16.4	11.9	10 919 16400	90.43	10 921 164	90.43	10 922 164	90.43
16.5	13.4	10 919 16500	90.43	10 921 165	90.43	10 922 165	90.43
16.6	13.4	10 919 16600	90.43	10 921 166	90.43	10 922 166	90.43
16.7	13.4	10 919 16700	90.43	10 921 167	90.43	10 922 167	90.43
16.8	13.4	10 919 16800	90.43	10 921 168	90.43	10 922 168	90.43
16.9	13.4	10 919 16900	90.43	10 921 169	90.43	10 922 169	90.43
17.0	13.4	10 919 17000	90.43	10 921 170	90.43	10 922 170	90.43
17.1	13.4	10 919 17100	90.43	10 921 171	90.43	10 922 171	90.43
17.2	13.4	10 919 17200	90.43	10 921 172	90.43	10 922 172	90.43
17.3	13.4	10 919 17300	90.43	10 921 173	90.43	10 922 173	90.43
17.4	13.4	10 919 17400	90.43	10 921 174	90.43	10 922 174	90.43
17.5	13.4	10 919 17500	90.43	10 921 175	90.43	10 922 175	90.43
17.6	13.4	10 919 17600	90.43	10 921 176	90.43	10 922 176	90.43
17.7	13.4	10 919 17700	90.43	10 921 177	90.43	10 922 177	90.43
17.8	13.4	10 919 17800	90.43	10 921 178	90.43	10 922 178	90.43
17.9	13.4	10 919 17900	90.43	10 921 179	90.43	10 922 179	90.43
18.0	13.4	10 919 18000	90.43	10 921 180	90.43	10 922 180	90.43
18.1	13.4	10 919 18100	98.39	10 921 181	98.39	10 922 181	98.39
18.2	13.4	10 919 18200	98.39	10 921 182	98.39	10 922 182	98.39
18.3	13.4	10 919 18300	98.39	10 921 183	98.39	10 922 183	98.39
18.4	13.4	10 919 18400	98.39	10 921 184	98.39	10 922 184	98.39
18.5	13.4	10 919 18500	98.39	10 921 185	98.39	10 922 185	98.39
18.6	13.4	10 919 18600	98.39	10 921 186	98.39	10 922 186	98.39
18.7	13.4	10 919 18700	98.39	10 921 187	98.39	10 922 187	98.39
18.8	13.4	10 919 18800	98.39	10 921 188	98.39	10 922 188	98.39
18.9	13.4	10 919 18900	98.39	10 921 189	98.39	10 922 189	98.39
19.0	13.4	10 919 19000	98.39	10 921 190	98.39	10 922 190	98.39
19.1	13.4	10 919 19100	98.39	10 921 191	98.39	10 922 191	98.39
19.2	13.4	10 919 19200	98.39	10 921 192	98.39	10 922 192	98.39
19.3	13.4	10 919 19300	98.39	10 921 193	98.39	10 922 193	98.39
19.4	13.4	10 919 19400	98.39	10 921 194	98.39	10 922 194	98.39
19.5	13.4	10 919 19500	98.39	10 921 195	98.39	10 922 195	98.39
19.6	13.4	10 919 19600	98.39	10 921 196	98.39	10 922 196	98.39
19.7	13.4	10 919 19700	98.39	10 921 197	98.39	10 922 197	98.39
19.8	13.4	10 919 19800	98.39	10 921 198	98.39	10 922 198	98.39
19.9	13.4	10 919 19900	98.39	10 921 199	98.39	10 922 199	98.39
20.0	13.4	10 919 20000	98.39	10 921 200	98.39	10 922 200	98.39
20.1	13.4	10 919 20100	108.74	10 921 201	108.74	10 922 201	81.98
20.2	13.4	10 919 20200	108.74	10 921 202	108.74	10 922 202	108.74
20.3	13.4	10 919 20300	108.74	10 921 203	108.74	10 922 203	108.74
20.4	13.4	10 919 20400	108.74	10 921 204	108.74	10 922 204	108.74
20.5	15.4	10 919 20500	108.74	10 921 205	108.74	10 922 205	108.74
20.6	15.4	10 919 20600	108.74	10 921 206	108.74	10 922 206	108.74
20.7	15.4	10 919 20700	108.74	10 921 207	108.74	10 922 207	108.74
20.8	15.4	10 919 20800	108.74	10 921 208	108.74	10 922 208	108.74
20.9	15.4	10 919 20900	108.74	10 921 209	108.74	10 922 209	108.74
21.0	15.4	10 919 21000	108.74	10 921 210	108.74	10 922 210	108.74
21.1	15.4	10 919 21100	108.74	10 921 211	108.74	10 922 211	108.74
21.2	15.4	10 919 21200	108.74	10 921 212	108.74	10 922 212	108.74
21.3	15.4	10 919 21300	108.74	10 921 213	108.74	10 922 213	108.74
21.4	15.4	10 919 21400	108.74	10 921 214	108.74	10 922 214	108.74
21.5	15.4	10 919 21500	108.74	10 921 215	108.74	10 922 215	108.74
21.6	15.4	10 919 21600	108.74	10 921 216	108.74	10 922 216	108.74
21.7	15.4	10 919 21700	108.74	10 921 217	108.74	10 922 217	108.74
21.8	15.4	10 919 21800	108.74	10 921 218	108.74	10 922 218	108.74
21.9	15.4	10 919 21900	108.74	10 921 219	108.74	10 922 219	108.74
22.0	15.4	10 919 22000	108.74	10 921 220	108.74	10 922 220	108.74
22.1	15.4	10 919 22100	116.69	10 921 221	116.69	10 922 221	116.69
22.2	15.4	10 919 22200	116.69	10 921 222	116.69	10 922 222	116.69
22.3	15.4	10 919 22300	116.69	10 921 223	116.69	10 922 223	116.69

DC h7/m7	OAL	Article no.		Article no.		Article no.	
			£		£		£
mm	mm						
22.4	15.4	10 919 22400	116.69	10 921 224	116.69	10 922 224	116.69
22.5	15.4	10 919 22500	116.69	10 921 225	116.69	10 922 225	116.69
22.6	15.4	10 919 22600	116.69	10 921 226	116.69	10 922 226	116.69
22.7	15.4	10 919 22700	116.69	10 921 227	116.69	10 922 227	116.69
22.8	15.4	10 919 22800	116.69	10 921 228	116.69	10 922 228	116.69
22.9	15.4	10 919 22900	116.69	10 921 229	116.69	10 922 229	116.69
23.0	15.4	10 919 23000	116.69	10 921 230	116.69	10 922 230	116.69
23.1	15.4	10 919 23100	116.69	10 921 231	116.69	10 922 231	116.69
23.2	15.4	10 919 23200	116.69	10 921 232	116.69	10 922 232	116.69
23.3	15.4	10 919 23300	116.69	10 921 233	116.69	10 922 233	116.69
23.4	15.4	10 919 23400	116.69	10 921 234	116.69	10 922 234	116.69
23.5	15.4	10 919 23500	116.69	10 921 235	116.69	10 922 235	116.69
23.6	15.4	10 919 23600	116.69	10 921 236	116.69	10 922 236	116.69
23.7	15.4	10 919 23700	116.69	10 921 237	116.69	10 922 237	116.69
23.8	15.4	10 919 23800	116.69	10 921 238	116.69	10 922 238	116.69
23.9	15.4	10 919 23900	116.69	10 921 239	116.69	10 922 239	116.69
24.0	15.4	10 919 24000	116.69	10 921 240	116.69	10 922 240	116.69
24.1	15.4	10 919 24100	127.04	10 921 241	134.99	10 922 241	134.99
24.2	15.4	10 919 24200	127.04	10 921 242	134.99	10 922 242	134.99
24.3	15.4	10 919 24300	127.04	10 921 243	134.99	10 922 243	134.99
24.4	15.4	10 919 24400	127.04	10 921 244	134.99	10 922 244	134.99
24.5	17.4	10 919 24500	127.04	10 921 245	134.99	10 922 245	134.99
24.6	17.4	10 919 24600	127.04	10 921 246	134.99	10 922 246	134.99
24.7	17.4	10 919 24700	127.04	10 921 247	134.99	10 922 247	134.99
24.8	17.4	10 919 24800	127.04	10 921 248	134.99	10 922 248	134.99
24.9	17.4	10 919 24900	127.04	10 921 249	134.99	10 922 249	134.99
25.0	17.4	10 919 25000	127.04	10 921 250	134.99	10 922 250	134.99
25.1	17.4	10 919 25100	127.04	10 921 251	134.99	10 922 251	134.99
25.2	17.4	10 919 25200	127.04	10 921 252	134.99	10 922 252	134.99
25.3	17.4	10 919 25300	127.04	10 921 253	134.99	10 922 253	134.99
25.4	17.4	10 919 25400	127.04	10 921 254	134.99	10 922 254	134.99
25.5	17.4	10 919 25500	127.04	10 921 255	134.99	10 922 255	134.99
25.6	17.4	10 919 25600	134.99	10 921 256	134.99	10 922 256	134.99
25.7	17.4	10 919 25700	134.99	10 921 257	134.99	10 922 257	134.99
25.8	17.4	10 919 25800	134.99	10 921 258	134.99	10 922 258	134.99
25.9	17.4	10 919 25900	134.99	10 921 259	134.99	10 922 259	134.99
26.0	17.4	10 919 26000	134.99	10 921 260	134.99	10 922 260	134.99
26.1	17.4	10 919 26100	134.99	10 921 261	134.99	10 922 261	134.99
26.2	17.4	10 919 26200	134.99	10 921 262	134.99	10 922 262	134.99
26.3	17.4	10 919 26300	134.99	10 921 263	134.99	10 922 263	134.99
26.4	17.4	10 919 26400	134.99	10 921 264	134.99	10 922 264	134.99
26.5	17.4	10 919 26500	134.99	10 921 265	134.99	10 922 265	134.99
26.6	17.4	10 919 26600	134.99	10 921 266	134.99	10 922 266	134.99
26.7	17.4	10 919 26700	134.99	10 921 267	134.99	10 922 267	134.99
26.8	17.4	10 919 26800	134.99	10 921 268	134.99	10 922 268	134.99
26.9	17.4	10 919 26900	134.99	10 921 269	134.99	10 922 269	134.99
27.0	17.4	10 919 27000	134.99	10 921 270	134.99	10 922 270	134.99
27.1	17.4	10 919 27100	134.99	10 921 271	134.99	10 922 271	134.99
27.2	17.4	10 919 27200	134.99	10 921 272	134.99	10 922 272	134.99
27.3	17.4	10 919 27300	134.99	10 921 273	134.99	10 922 273	134.99
27.4	17.4	10 919 27400	134.99	10 921 274	134.99	10 922 274	134.99
27.5	17.4	10 919 27500	134.99	10 921 275	134.99	10 922 275	134.99
27.6	17.4	10 919 27600	134.99	10 921 276	134.99	10 922 276	134.99
27.7	17.4	10 919 27700	134.99	10 921 277	134.99	10 922 277	134.99
27.8	17.4	10 919 27800	134.99	10 921 278	134.99	10 922 278	134.99
27.9	17.4	10 919 27900	134.99	10 921 279	134.99	10 922 279	134.99
28.0	17.4	10 919 28000	134.99	10 921 280	134.99	10 922 280	134.99
28.1	17.4	10 919 28100	147.64	10 921 281	147.64	10 922 281	147.64
28.2	17.4	10 919 28200	147.64	10 921 282	147.64	10 922 282	147.64
28.3	17.4	10 919 28300	147.64	10 921 283	147.64	10 922 283	147.64
28.4	17.4	10 919 28400	147.64	10 921 284	147.64	10 922 284	147.64
28.5	18.4	10 919 28500	147.64	10 921 285	147.64	10 922 285	147.64
28.6	18.4	10 919 28600	147.64	10 921 286	147.64	10 922 286	147.64
28.7	18.4	10 919 28700	147.64	10 921 287	147.64	10 922 287	147.64
28.8	18.4	10 919 28800	147.64	10 921 288	147.64	10 922 288	147.64
28.9	18.4	10 919 28900	147.64	10 921 289	147.64	10 922 289	147.64
29.0	18.4	10 919 29000	147.64	10 921 290	147.64	10 922 290	147.64
29.1	18.4	10 919 29100	147.64	10 921 291	147.64	10 922 291	147.64
29.2	18.4	10 919 29200	147.64	10 921 292	147.64	10 922 292	147.64
29.3	18.4	10 919 29300	147.64	10 921 293	147.64	10 922 293	147.64
29.4	18.4	10 919 29400	147.64	10 921 294	147.64	10 922 294	147.64
29.5	18.4	10 919 29500	147.64	10 921 295	147.64	10 922 295	147.64
29.6	18.4	10 919 29600	147.64	10 921 296	147.64	10 922 296	147.64
29.7	18.4	10 919 29700	147.64	10 921 297	147.64	10 922 297	147.64
29.8	18.4	10 919 29800	147.64	10 921 298	147.64	10 922 298	147.64
29.9	18.4	10 919 29900	147.64	10 921 299	147.64	10 922 299	147.64
30.0	18.4	10 919 30000	147.64	10 921 300	147.64	10 922 300	147.64
30.1	18.4	10 919 30100	164.74	10 921 301	164.74	10 922 301	164.74
30.2	18.4	10 919 30200	164.74	10 921 302	164.74	10 922 302	164.74
30.3	18.4	10 919 30300	164.74	10 921 303	164.74	10 922 303	164.74
30.4	18.4	10 919 30400	164.74	10 921 304	164.74	10 922 304	164.74
30.5	18.4	10 919 30500	164.74	10 921 305	164.74	10 922 305	164.74
30.6	18.4	10 919 30600	164.74	10 921 306	164.74	10 922 306	164.74
30.7	18.4	10 919 30700	164.74	10 921 307	164.74	10 922 307	164.74
30.8	18.4	10 919 30800	164.74	10 921 308	164.74	10 922 308	164.74
30.9	18.4	10 919 30900	164.74	10 921 309	164.74	10 922 309	164.74
31.0	18.4	10 919 31000	164.74	10 921 310	164.74	10 922 310	164.74
31.1	18.4	10 919 31100	164.74	10 921 311	164.74	10 922 311	164.74
31.2	18.4	10 919 31200	164.74	10 921 312	164.74	10 922 312	164.74
31.3	18.4	10 919 31300	164.74	10 921 313	164.74	10 922 313	164.74
31.4	18.4	10 919 31400	164.74	10 921 314	164.74	10 922 314	164.74
31.5	18.4	10 919 31500	164.74	10 921 315	164.74	10 922 315	164.74
31.6	18.4	10 919 31600	164.74	10 921 316	164.74	10 922 316	164.74
31.7	18.4	10 919 31700	164.74	10 921 317	164.74	10 922 317	164.74
31.8	18.4	10 919 31800	164.74	10 921 318	164.74	10 922 318	164.74
31.9	18.4	10 919 31900	164.74	10 921 319	164.74	10 922 319	164.74
32.0	18.4	10 919 32000	164.74	10 921 320	164.74	10 922 320	164.74
32.5	24.3	10 919 32500	176.33				
33.0	24.3	10 919 33000	176.33				
33.5	24.3	10 919 33500	176.33				
34.0	24.3	10 919 34000	176.33				
34.5	24.3	10 919 34500	176.33				
35.0	24.3	10 919 35000	176.33				
35.5	26.3	10 919 35500	201.68				
36.0	26.3	10 919 36000	201.68				
36.5	26.3	10 919 36500	201.68				
37.0	26.3	10 919 37000	201.68				
37.5	26.3	10 919 37500	201.68				
38.0	26.3	10 919 38000	201.68				
38.5	26.3	10 919 38500	219.22				
39.0	26.3	10 919 39000	219.22				
39.5	26.3	10 919 39500	219.22				
40.0	26.3	10 919 40000	219.22				
40.5	26.3	10 919 40500	219.22				
41.0	26.3	10 919 41000	219.22				
Steel		●		○			
Stainless steel				●			
Cast iron		●		○			
Non ferrous metals						●	
Heat resistant alloys							

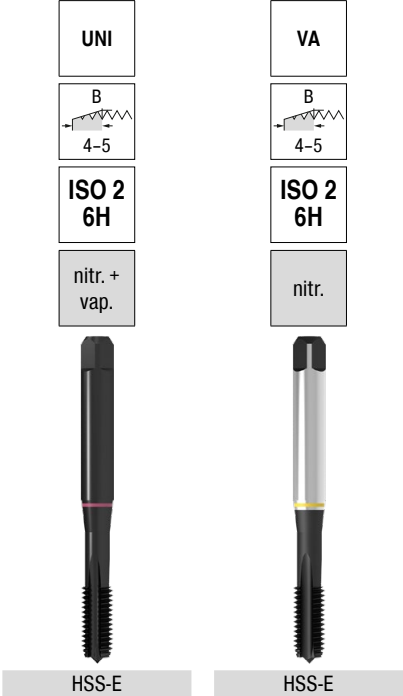
Through hole – Machine taps, right hand



WNT \ Performance

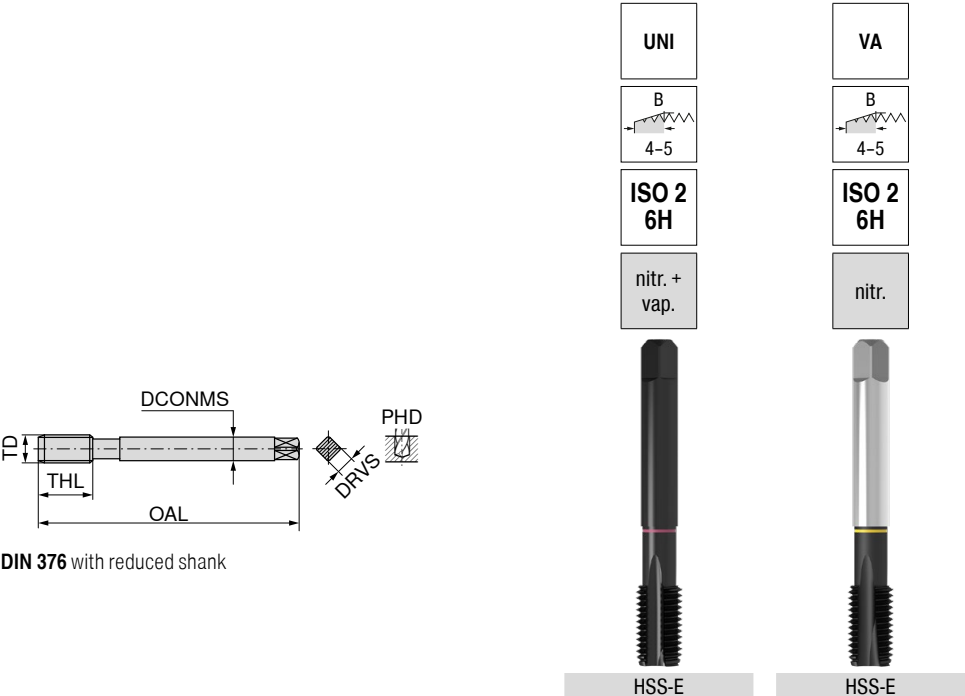


DIN 371 with reinforced shank



TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU	Flutes	Article no.		Article no.
										£	
M1	0.25	40	2.5	2.1	0.75	5	13	2	22 501 010	84.57	
M1.2	0.25	40	2.5	2.1	0.95	5	13	2	22 501 012	81.44	
M1.4	0.30	40	2.5	2.1	1.10	7	13	3	22 501 014	72.46	
M1.6	0.35	40	2.5	2.1	1.25	8	11	3	22 501 016	51.39	
M1.7	0.35	40	2.5	2.1	1.35	6	11	2	22 501 017	78.71	
M1.8	0.35	40	2.5	2.1	1.45	6	11	2	22 501 018	109.13	
M2	0.40	45	2.8	2.1	1.60	7	12	3	22 501 020	37.82	
M2	0.40	45	2.8	2.1	1.60	7	12	2			22 056 020 29.17
M2.2	0.45	45	2.8	2.1	1.75	7	12	2	22 501 022	39.16	
M2.5	0.45	50	2.8	2.1	2.05	9	14	2	22 501 025	36.89	22 056 025 28.05
M3	0.50	56	3.5	2.7	2.50	11	18	3	22 501 030	24.52	22 056 030 23.05
M3.5	0.60	56	4.0	3.0	2.90	12	20	3	22 501 035	30.22	22 056 035 32.33
M4	0.70	63	4.5	3.4	3.30	13	21	3	22 501 040	21.63	22 056 040 24.18
M5	0.80	70	6.0	4.9	4.20	15	25	3	22 501 050	22.67	22 056 050 25.58
M6	1.00	80	6.0	4.9	5.00	17	30	3	22 501 060		22 056 060 26.72
M7	1.00	80	7.0	5.5	6.00	17	30	3	22 501 070	36.54	
M8	1.25	90	8.0	6.2	6.80	20	35	3	22 501 080	26.85	22 056 080 29.08
M10	1.50	100	10.0	8.0	8.50	22	39	3	22 501 100	32.21	22 056 100 35.58
M12	1.75	110	12.0	9.0	10.20	24	44	3	22 501 120	44.66	

1) Tol. ISO 1 4H ≤ M1.4



DIN 376 with reduced shank

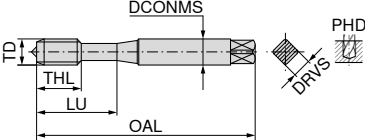
TD	TP	OAL	DCONMS	DRVS	PHD	THL	Flutes	Article no.		Article no.	
mm	mm	mm	mm	mm	mm	mm			£		£
M3	0.50	56	2.2		2.5	11	3	22 502 030	49.68		
M4	0.70	63	2.8	2.1	3.3	13	3	22 502 040	33.06		
M5	0.80	70	3.5	2.7	4.2	15	3	22 502 050	31.06		
M6	1.00	80	4.5	3.4	5.0	17	3	22 502 060	31.19		
M8	1.25	90	6.0	4.9	6.8	20	3	22 502 080	34.59		
M10	1.50	100	7.0	5.5	8.5	22	3	22 502 100	40.59		
M12	1.75	110	9.0	7.0	10.2	24	3	22 502 120	39.98	22 057 120	45.04
M14	2.00	110	11.0	9.0	12.0	26	3	22 502 140	50.56	22 057 140	62.28
M16	2.00	110	12.0	9.0	14.0	27	3	22 502 160	56.10	22 057 160	63.73
M18	2.50	125	14.0	11.0	15.5	30	3	22 502 180	105.19	22 057 180	156.06
M20	2.50	140	16.0	12.0	17.5	32	3	22 502 200	83.46	22 057 200	92.91
M22	2.50	140	18.0	14.5	19.5	32	3	22 502 220	141.46	22 057 220	244.82
M24	3.00	160	18.0	14.5	21.0	34	3	22 502 240	111.55	22 057 240	127.72
M27	3.00	160	20.0	16.0	24.0	36	3	22 502 270	159.91	22 057 270	267.84
M30	3.50	180	22.0	18.0	26.5	40	4	22 502 300	181.53	22 057 300	206.28
M33	3.50	180	25.0	20.0	29.5	40	4	22 502 330	452.52		
M36	4.00	200	28.0	22.0	32.0	50	4	22 502 360	520.98		
M42	4.50	200	32.0	24.0	37.5	56	4	22 502 420	989.46		
M48	5.00	250	36.0	29.0	43.0	65	4	22 502 480	1,045.09		

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

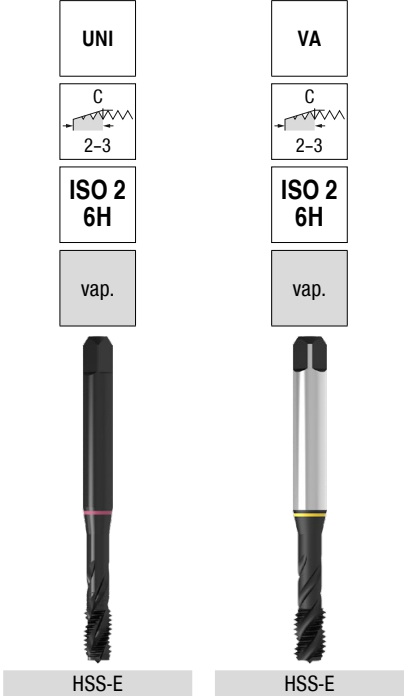
Blind hole – Machine taps, right hand



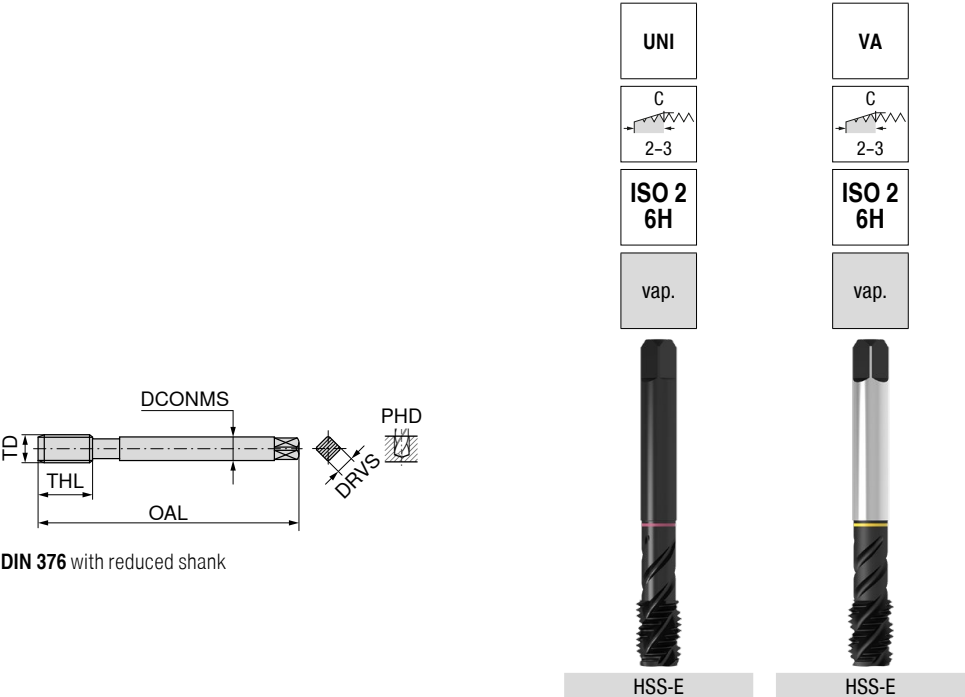
WNT \ Performance



DIN 371 with reinforced shank



TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU	Flutes	Article no.		Article no.	
										£		£
M2	0.40	45	2.8	2.1	1.60	4.0	12	2	22 518 020	29.50	22 090 020	44.34
M2.2	0.45	45	2.8	2.1	1.75	4.5	12	2	22 518 022	33.24		
M2.3	0.40	45	2.8	2.1	1.90	4.5	12	2	22 518 023	36.04		
M2.5	0.45	50	2.8	2.1	2.05	5.0	15	2	22 518 025	27.66	22 090 025	35.70
M2.6	0.45	50	2.8	2.1	2.15	5.0	15	2	22 518 026	34.18		
M3	0.50	56	3.5	2.7	2.50	6.0	18	3	22 518 030	25.24	22 090 030	26.72
M3.5	0.60	56	4.0	3.0	2.90	7.0	20	3	22 518 035	27.09		
M4	0.70	63	4.5	3.4	3.30	7.0	21	3	22 518 040	25.69	22 090 040	27.66
M5	0.80	70	6.0	4.9	4.20	8.0	25	3	22 518 050	25.66	22 090 050	28.02
M6	1.00	80	6.0	4.9	5.00	10.0	30	3	22 518 060	26.72	22 090 060	27.94
M7	1.00	80	7.0	5.5	6.00	10.0	30	3	22 518 070	40.79		
M8	1.25	90	8.0	6.2	6.80	14.0	35	3	22 518 080	30.34	22 090 080	32.62
M10	1.50	100	10.0	8.0	8.50	16.0	39	3	22 518 100	37.19	22 090 100	39.86
M12	1.75	110	12.0	9.0	10.20	18.0	44	3	22 518 120	42.54		



DIN 376 with reduced shank

TD	TP	OAL	DCONMS	DRVS	PHD	THL	Flutes	Article no.		Article no.	
mm	mm	mm	mm	mm	mm	mm			£		£
M3	0.50	56	2.2		2.5	6	3	22 519 030	41.89		
M4	0.70	63	2.8	2.1	3.3	7	3	22 519 040	39.98		
M5	0.80	70	3.5	2.7	4.2	8	3	22 519 050	30.22		
M6	1.00	80	4.5	3.4	5.0	10	3	22 519 060	31.38		
M8	1.25	90	6.0	4.9	6.8	14	3	22 519 080	34.78		
M10	1.50	100	7.0	5.5	8.5	16	3	22 519 100	44.29		
M12	1.75	110	9.0	7.0	10.2	18	3	22 519 120	46.62		
M12	1.75	110	9.0	7.0	10.2	18	4			22 091 120	49.28
M14	2.00	110	11.0	9.0	12.0	20	4			22 091 140	72.54
M14	2.00	110	11.0	9.0	12.0	20	3	22 519 140	59.74		
M16	2.00	110	12.0	9.0	14.0	22	3	22 519 160	65.77		
M16	2.00	110	12.0	9.0	14.0	22	4			22 091 160	69.85
M18	2.50	125	14.0	11.0	15.5	25	3	22 519 180	95.07		
M20	2.50	140	16.0	12.0	17.5	25	3	22 519 200	98.55		
M20	2.50	140	16.0	12.0	17.5	25	4			22 091 200	104.36
M22	2.50	140	18.0	14.5	19.5	27	5			22 091 220	223.80
M22	2.50	140	18.0	14.5	19.5	27	4	22 519 220	141.46		
M24	3.00	160	18.0	14.5	21.0	30	4	22 519 240	124.68		
M24	3.00	160	18.0	14.5	21.0	30	5			22 091 240	132.49
M27	3.00	160	20.0	16.0	24.0	30	4	22 519 270	163.74		
M30	3.50	180	22.0	18.0	26.5	35	4	22 519 300	210.23		
M30	3.50	180	22.0	18.0	26.5	35	5			22 091 300	280.30
M33	3.50	180	25.0	20.0	29.5	35	4	22 519 330	413.14		
M36	4.00	200	28.0	22.0	32.0	40	4	22 519 360	341.90		

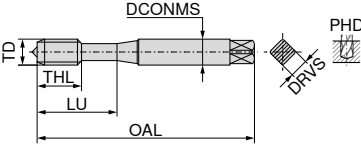
Steel	6-20	
Stainless steel	4-8	5-10
Cast iron	6-15	
Non ferrous metals		
Heat resistant alloys		
Hardened materials		



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



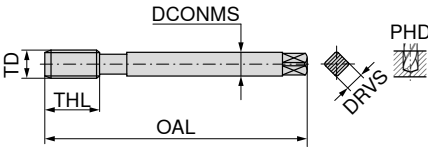
WNT \ Performance



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.		Article no.	
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)	64.03		
M1,2	0.25	40	2.5	2.1	1.10	5	6.5		22 100 012 1)	58.72		
M1,4	0.30	40	2.5	2.1	1.28	6	9.0		22 100 014 1)	55.30		
M1,6	0.35	40	2.5	2.1	1.47	6	9.0		22 100 016	53.81		
M1,7	0.35	40	2.5	2.1	1.57	6	9.0		22 100 017	55.30		
M2	0.40	45	2.8	2.1	1.85	7	10.0		22 100 020	35.92		
M2	0.40	45	2.8	2.1	1.85	7	10.0	3			22 105 020	42.20
M2,5	0.45	50	2.8	2.1	2.33	9	14.0		22 100 025	36.38		
M2,5	0.45	50	2.8	2.1	2.33	9	14.0	3			22 105 025	39.34
M2,6	0.45	50	2.8	2.1	2.43	9	14.0		22 100 026	38.24		
M3	0.50	56	3.5	2.7	2.80	11	18.0		22 100 030	33.13		
M3	0.50	56	3.5	2.7	2.80	11	18.0	4			22 105 030	36.38
M3,5	0.60	56	4.0	3.0	3.25	12	20.0		22 100 035	31.81		
M3,5	0.60	56	4.0	3.0	3.25	12	20.0	3			22 105 035	39.34
M4	0.70	63	4.5	3.4	3.70	13	21.0		22 100 040	33.94		
M4	0.70	63	4.5	3.4	3.70	13	21.0	5			22 105 040	37.78
M5	0.80	70	6.0	4.9	4.65	15	25.0		22 100 050	35.57		
M5	0.80	70	6.0	4.9	4.65	15	25.0	5			22 105 050	39.05
M6	1.00	80	6.0	4.9	5.60	17	30.0		22 100 060	40.79		
M6	1.00	80	6.0	4.9	5.60	17	30.0	5			22 105 060	44.63
M8	1.25	90	8.0	6.2	7.40	20	35.0		22 100 080	44.86		
M8	1.25	90	8.0	6.2	7.45	20	35.0	6			22 105 080	49.28
M10	1.50	100	10.0	8.0	9.35	22	39.0	6			22 105 100	61.49
M10	1.50	100	10.0	8.0	9.35	22	39.0		22 100 100	56.62		

1) Tol. ISO 1X 4HX ≤ M1.4



DIN 2174 with reduced shank

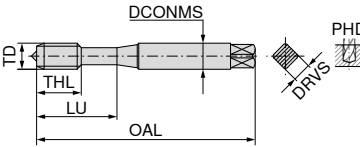
									EC		EC SN	
									C 2-3		C 2-3	
									ISO 2X 6HX		ISO 2X 6HX	
									TiN		TiN	
									HSS-E		HSS-E	
									≤ 1100 N/mm² ≤ 1,5xD		≤ 1100 N/mm² ≤ 3xD	
TD	TP	OAL	DCONMS	DRVS	PHD	THL	Flutes		Article no.		Article no.	
mm	mm	mm	mm	mm	mm	mm			£		£	
M12	1.75	110	9	7	11.25	24			22 101 120	69.50		
M12	1.75	110	9	7	11.25	24	6				22 106 120	84.73
M14	2.00	110	11	9	13.10	26	5				22 106 140	147.84
M16	2.00	110	12	9	15.10	27	7				22 106 160	124.12
M16	2.00	110	12	9	15.10	27			22 101 160	104.33		

Steel	8-30	8-30
Stainless steel	8-15	8-15
Cast iron		
Non ferrous metals	12-25	12-25
Heat resistant alloys		
Hardened materials		

Through hole – Machine taps, right hand

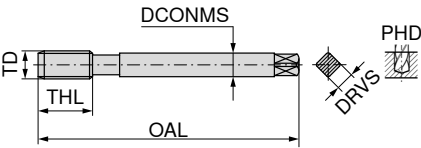


WNT \ Standard



DIN 371 with reinforced shank

									UNI		VA	
									B 4-5		B 4-5	
									ISO 2 6H		ISO 2 6H	
									TiN		nitr.	
									POWDERSTEEL HSS-PM		POWDERSTEEL HSS-PM	
									≤ 1000 N/mm² ≤ 3xD		≤ 1200 N/mm² ≤ 3xD	
TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU	Flutes	Article no.		Article no.	
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	7.80	23 450 030	9.14
M3	0.50	56	3.5	2.7	2.5	11	18.0	3	23 010 030	9.80	23 450 040	9.22
M4	0.70	63	4.5	3.4	3.3	13	21.0	3	23 010 040	8.94	23 450 050	10.00
M5	0.80	70	6.0	4.9	4.2	15	25.0	3	23 010 050	10.00	23 450 060	10.08
M6	1.00	80	6.0	4.9	5.0	17	30.0	3	23 010 060	11.99	23 450 080	11.32
M8	1.25	90	8.0	6.2	6.8	20	35.0	3	23 010 080	13.31	23 450 100	12.84
M10	1.50	100	10.0	8.0	8.5	22	39.0	3	23 010 100	17.60		



DIN 376 with reduced shank

									UNI		VA	
									B 4-5		B 4-5	
									ISO 2 6H		ISO 2 6H	
									TiN		nitr.	
									POWDERSTEEL HSS-PM		POWDERSTEEL HSS-PM	
									≤ 1000 N/mm² ≤ 3xD		≤ 1200 N/mm² ≤ 3xD	
TD	TP	OAL	DCONMS	DRVS	PHD	THL	Flutes		Article no.		Article no.	
mm	mm	mm	mm	mm	mm	mm			£		£	
M12	1.75	110	9	7	10.2	24	3		23 021 120	21.02	23 451 120	22.92
M14	2.00	110	11	9	12.0	26	3				23 451 140	30.35
M14	2.00	110	11	9	12.0	20	4		23 021 140	31.87		
M16	2.00	110	12	9	14.0	27	3		23 021 160	29.59	23 451 160	32.06
M18	2.50	125	14	11	15.5	25	4		23 021 180	51.84		
M20	2.50	140	16	12	17.5	32	3		23 021 200	53.56	23 451 200	47.94

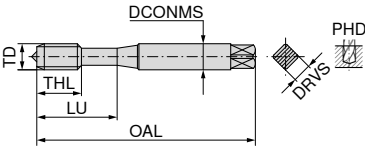
Steel	10-20	
Stainless steel	8-15	5-10
Cast iron	20-25	
Non ferrous metals	20-25	
Heat resistant alloys		
Hardened materials		



Blind hole – Machine taps, right hand

M

WNT \ Standard



DIN 371 with reinforced shank

TD	TP	OAL	DCONMS	DRVS	PHD	THL	LU	Flutes
mm	mm	mm	mm	mm	mm	mm	mm	
M3	0.50	56	3.5	2.7	2.5	6	18	3
M4	0.70	63	4.5	3.4	3.3	7	21	3
M5	0.80	70	6.0	4.9	4.2	8	25	3
M6	1.00	80	6.0	4.9	5.0	10	30	3
M8	1.25	90	8.0	6.2	6.8	14	35	3
M10	1.50	100	10.0	8.0	8.5	16	39	3

UNI

ISO 2 6H

TiN

VA

ISO 2 6H

VA

ISO 2 6H

TiN

POWDERSTEEL

HSS-PM

$\leq 50^\circ$
 $\leq 1000\text{ N/mm}^2$
 $\leq 2,5xD$

Article no.

	£
23 026 030	11.13
23 026 040	11.13
23 026 050	11.99
23 026 060	13.88
23 026 080	16.46
23 026 100	20.74

POWDERSTEEL

HSS-PM

$\leq 40^\circ$
 $\leq 1200\text{ N/mm}^2$
 $\leq 2,5xD$

Article no.

	£
23 426 030	10.00
23 426 040	10.08
23 426 050	10.37
23 426 060	10.56
23 426 080	12.37
23 426 100	14.84

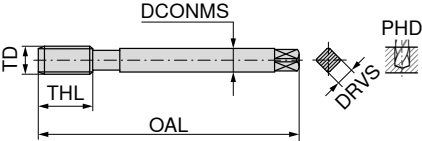
POWDERSTEEL

HSS-PM

$\leq 40^\circ$
 $\leq 1200\text{ N/mm}^2$
 $\leq 2,5xD$

Article no.

	£
23 456 030	11.13
23 456 040	12.18
23 456 050	12.37
23 456 060	15.89
23 456 080	17.03
23 456 100	23.49



DIN 376 with reduced shank

TD	TP	OAL	DCONMS	DRVS	PHD	THL	Flutes
mm	mm	mm	mm	mm	mm	mm	
M12	1.75	110	9	7.0	10.2	18	4
M12	1.75	110	9	7.0	10.2	18	3
M14	2.00	110	11	9.0	12.0	20	4
M16	2.00	110	12	9.0	14.0	22	4
M16	2.00	110	12	9.0	14.0	22	3
M20	2.50	140	16	12.0	17.5	25	3
M24	3.00	160	18	14.5	21.0	30	4

UNI

ISO 2 6H

TiN

VA

ISO 2 6H

VA

ISO 2 6H

TiN

POWDERSTEEL

HSS-PM

$\leq 50^\circ$
 $\leq 1000\text{ N/mm}^2$
 $\leq 2,5xD$

Article no.

	£
23 027 120	24.54
23 027 140	35.29
23 027 160	35.29
23 027 200	40.43

POWDERSTEEL

HSS-PM

$\leq 40^\circ$
 $\leq 1200\text{ N/mm}^2$
 $\leq 2,5xD$

Article no.

	£
23 427 120	24.54
23 427 140	32.35
23 427 160	35.20
23 427 200	52.42
23 427 240	66.30

POWDERSTEEL

HSS-PM

$\leq 40^\circ$
 $\leq 1200\text{ N/mm}^2$
 $\leq 2,5xD$

Article no.

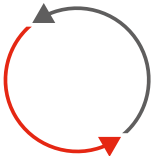
	£
23 457 120	33.68
23 457 160	42.33
23 457 200	84.08

Steel	10-20		
Stainless steel	8-15	5-10	8-20
Cast iron	20-25		
Non ferrous metals	20-25		
Heat resistant alloys			
Hardened materials			

We come full circle

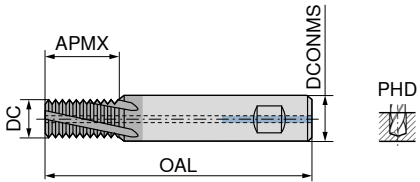
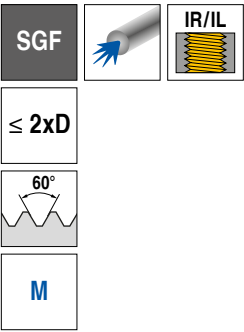
Our recycling service

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.



Thread milling cutter

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



Solid carbide

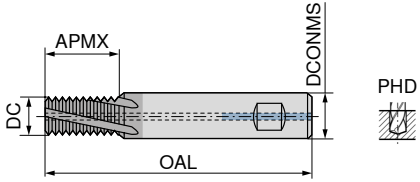
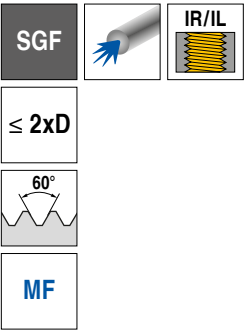
DC	Thread	TP	APMX	DCONMS _{h6}	OAL	ZEFP	PHD	Article no.	£
mm		mm	mm	mm	mm		mm		
2.40	M3	0.50	6.5	4	42	2	2.50	54 800 030 ¹⁾	71.95
3.15	M4	0.70	9.0	6	55	3	3.30	54 800 040 ²⁾	71.95
4.00	M5	0.80	11.0	6	55	3	4.20	54 800 050 ²⁾	71.95
4.80	M6	1.00	13.0	6	55	3	5.00	54 800 060 ²⁾	71.95
6.00	M8	1.25	18.0	6	60	3	6.75	54 800 080	75.54
8.00	M10	1.50	21.0	8	70	3	8.50	54 800 100	91.33
9.90	M12	1.75	26.0	10	75	4	10.25	54 800 120	110.42
11.60	M14	2.00	30.0	12	85	4	12.00	54 800 140	127.85
12.00	M16	2.00	34.0	12	85	4	14.00	54 800 160	133.66
14.00	M18	2.50	40.0	14	90	4	15.50	54 800 180	158.28
16.00	M20	2.50	42.0	16	90	4	17.50	54 800 200	164.37

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



Solid carbide

DC	Thread	TP	APMX	DCONMS _{h6}	OAL	ZEFP	PHD	Article no.	£
mm		mm	mm	mm	mm		mm		
4.0	M5	0.50	11	6	55	3	4.50	54 802 050 ¹⁾	71.95
4.8	M6	0.75	13	6	55	3	5.25	54 802 060 ¹⁾	71.95
6.0	M8	1.00	18	6	60	3	7.00	54 802 080	75.54
8.0	M10	1.25	21	8	70	3	8.75	54 802 100	91.33
9.9	M12	1.50	26	10	75	4	10.50	54 802 122	110.42
9.9	M12	1.25	26	10	75	4	10.75	54 802 121	110.42
9.9	M12	1.00	26	10	75	4	11.00	54 802 120	110.42
11.6	M14	1.50	30	12	85	4	12.50	54 802 141	127.85
11.6	M14	1.00	30	12	85	4	13.00	54 802 140	127.85
12.0	M16	1.50	34	12	85	4	14.50	54 802 160	133.66
14.0	M18	1.50	40	14	90	4	16.50	54 802 180	158.28
16.0	M20	1.50	42	16	90	4	18.50	54 802 200	164.37

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

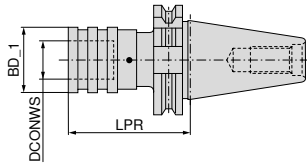
- 1) DIN 6535 HA Shank / Without Through Coolant

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

Quick change tap chuck with length compensation

- ▲ With length compensation under tension and compression (LZD)

WNT \ Standard



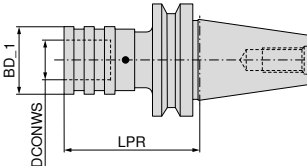
A

Adapter	cutting range	SZID	LPR	BD_1	DCONWS	LZD±	Article no.	£
			mm	mm	mm	mm		
SK 30	M6 - M20	02	101	55	31	15	83 428 320	288.19
SK 30	M3 - M12	01	60	38	19	9	83 428 312	253.67
SK 40	M6 - M20	02	100	55	31	15	83 428 420	212.29
SK 40	M3 - M12	01	60	38	19	9	83 428 412	195.91
SK 50	M3 - M12	01	62	38	19	9	83 428 512	292.59
SK 50	M6 - M20	02	83	55	31	15	83 428 520	316.94

Quick change tap chuck with length compensation

- ▲ With length compensation under tension and compression (LZD)

WNT \ Standard



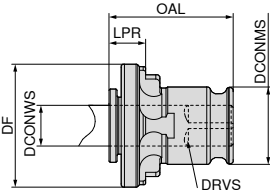
A

Adapter	cutting range	SZID	LPR	BD_1	DCONWS	LZD±	Article no.	£
			mm	mm	mm	mm		
BT 30	M3 - M12	01	63	38	19	9	83 528 312	255.02
BT 30	M6 - M20	02	96	55	31	15	83 528 320	319.82
BT 40	M3 - M12	01	68	38	19	9	83 528 412	204.62
BT 40	M6 - M20	02	93	55	31	15	83 528 420	212.29
BT 50	M3 - M12	01	80	38	19	9	83 528 512	342.91
BT 50	M6 - M20	02	102	55	31	15	83 528 520	394.76

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.	£
	mm	mm			mm	mm	mm	mm		
01	3.5	2.7	M3		30	19	28.5	7	83 610 100	21.10
01	4.5	3.4	M4		30	19	28.5	7	83 610 101	21.10
01	4.0	3.0	M3,5		30	19	28.5	7	83 610 102	21.10
01	2.8	2.1	M2 - M2,6		30	19	28.5	7	83 610 103	21.10
01	5.5	4.3		M7	30	19	28.5	7	83 610 104	21.10
01	6.0	4.9	M4,5 - M6	M8	30	19	28.5	7	83 610 105	21.10
01	7.0	5.5	M7	M10	30	19	28.5	7	83 610 106	21.10
01	8.0	6.2	M8	M11	30	19	28.5	7	83 610 107	21.10
01	9.0	7.0	M9	M12	30	19	28.5	7	83 610 108	21.10
01	10.0	8.0	M10		30	19	28.5	7	83 610 109	21.10
01	11.0	9.0		M14	30	19	28.5	7	83 610 110	21.10
02	6.0	4.9	M4,5 - M6		46	31	46.0	11	83 610 200	29.01
02	7.0	5.5	M7		46	31	46.0	11	83 610 201	29.01
02	8.0	6.2	M8		46	31	46.0	11	83 610 202	29.01
02	9.0	7.0	M9		46	31	46.0	11	83 610 203	29.01
02	10.0	8.0	M10		46	31	46.0	11	83 610 204	29.01
02	11.0	9.0		M14	46	31	46.0	11	83 610 205	29.01
02	12.0	9.0		M16	46	31	46.0	11	83 610 206	29.01
02	14.0	11.0		M18	46	31	46.0	11	83 610 207	29.01
02	16.0	12.0		M20	46	31	46.0	11	83 610 208	29.01
02	18.0	14.5		M22 - M24	46	31	46.0	11	83 610 209	29.01

Technical support: 0800 073 2 075

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

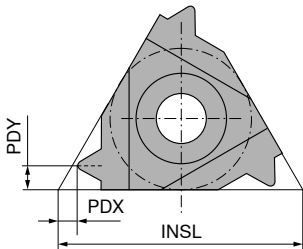


Right hand external thread turning insert

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



WNT \ Performance

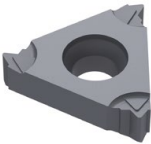
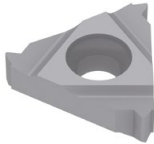
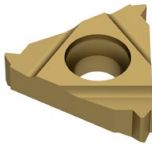


Designation	TP	INSL	PDX	PDY
	mm	mm	mm	mm
16 ER 0,35	0.35	16	0.8	0.4
16 ER 0,4	0.40	16	0.7	0.4
16 ER 0,5	0.50	16	0.6	0.6
16 ER 0,7	0.70	16	0.6	0.6
16 ER 0,75	0.75	16	0.6	0.6
16 ER 0,8	0.80	16	0.6	0.6
16 ER 1,0	1.00	16	0.7	0.7
16 ER 1,25	1.25	16	0.8	0.9
16 ER 1,5	1.50	16	0.8	1.0
16 ER 1,75	1.75	16	0.9	1.2
16 ER 2,0	2.00	16	1.0	1.3
16 ER 2,5	2.50	16	1.1	1.5
16 ER 3,0	3.00	16	1.2	1.6
22 ER 3,5	3.50	22	1.6	2.3
22 ER 4,0	4.00	22	1.6	2.3
22 ER 4,5	4.50	22	1.7	2.4
22 ER 5,0	5.00	22	1.7	2.5
22 ER 5,5	5.50	22	1.7	2.6
22 ER 6,0	6.00	22	1.9	2.7

CWN1525

HCN2525

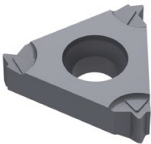
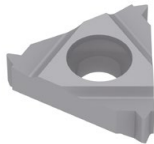
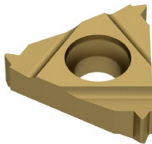
CCN7525



ER		ER		ER	
Article no.		Article no.		Article no.	
	£		£		£
		71 220 734	15.27		
		71 220 736	15.27		
71 220 140	10.48	71 220 740	11.89	71 220 940	11.89
71 220 141	11.60	71 220 741	12.28		
71 220 142	10.89	71 220 742	11.89	71 220 942	11.89
71 220 143	10.89	71 220 743	11.89	71 220 943	11.89
71 220 144	10.17	71 220 744	11.60	71 220 944	11.60
71 220 146	10.17	71 220 746	11.60	71 220 946	11.60
71 220 148	10.17	71 220 748	11.60	71 220 948	11.60
71 220 150	10.17	71 220 750	11.60		
71 220 152	10.17	71 220 752	11.60	71 220 952	11.60
71 220 154	10.17	71 220 754	11.60	71 220 954	11.60
71 220 156	10.17	71 220 756	11.60	71 220 956	11.60
71 220 170	15.88	71 220 770	17.47		
71 220 172	16.56	71 220 772	18.42		
71 220 174	17.86	71 220 774	19.45		
71 220 176	17.86	71 220 776	19.45		
71 220 178	17.86				
71 220 180	17.86	71 220 780	19.45		



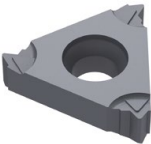
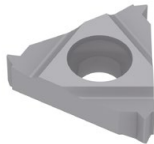
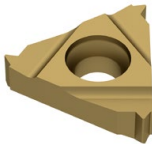
Designation	TPI	INSL	PDX	PDY
	1/''	mm	mm	mm
16 ER 11	11	16	1.1	1.5
16 ER 12	12	16	1.1	1.4
16 ER 14	14	16	1.0	1.2
16 ER 16	16	16	0.9	1.1
16 ER 19	19	16	0.8	1.0
16 ER 20	20	16	0.8	0.9
16 ER 26	26	16	0.7	0.7
16 ER 28	28	16	0.6	0.7



ER		ER		ER	
Article no.		Article no.		Article no.	
	£		£		£
71 228 166	11.87	71 228 766	13.34	71 228 966	13.34
71 228 164	14.47	71 228 764	15.96		
71 228 162	11.87	71 228 762	13.34	71 228 962	13.34
71 228 160	14.47	71 228 760	15.96		
71 228 156	11.87	71 228 756	13.34	71 228 956	13.34
		71 228 754	17.47		
		71 228 748	17.47		
71 228 146	13.17	71 228 746	14.64		



Designation	TPI	INSL	PDX	PDY
	1/''	mm	mm	mm
16 ER 8	8	16	1.1	1.5
16 ER 8	8	16	1.1	1.1
16 ER 11	11	16	1.1	1.5
16 ER 12	12	16	1.1	1.4
16 ER 14	14	16	1.0	1.2
16 ER 16	16	16	0.9	1.1
16 ER 18	18	16	0.8	1.0
16 ER 20	20	16	0.8	0.9
16 ER 24	24	16	0.7	0.8
16 ER 28	28	16	0.6	0.7
16 ER 32	32	16	0.6	0.6



ER		ER		ER	
Article no.		Article no.		Article no.	
	£		£		£
71 264 174	16.26			71 264 974	17.47
71 264 168	16.26				
71 264 164	13.17	71 264 764	14.64		
71 264 160	13.17	71 264 760	14.64		
71 264 158	12.46	71 264 758	13.94	71 264 958	13.94
71 264 156	13.17	71 264 756	14.64		
71 264 154	12.46	71 264 754	13.94	71 264 954	13.94
71 264 152	13.17	71 264 752	14.64		
		71 264 748	15.96		
		71 264 746	17.09		

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



FreeTurn

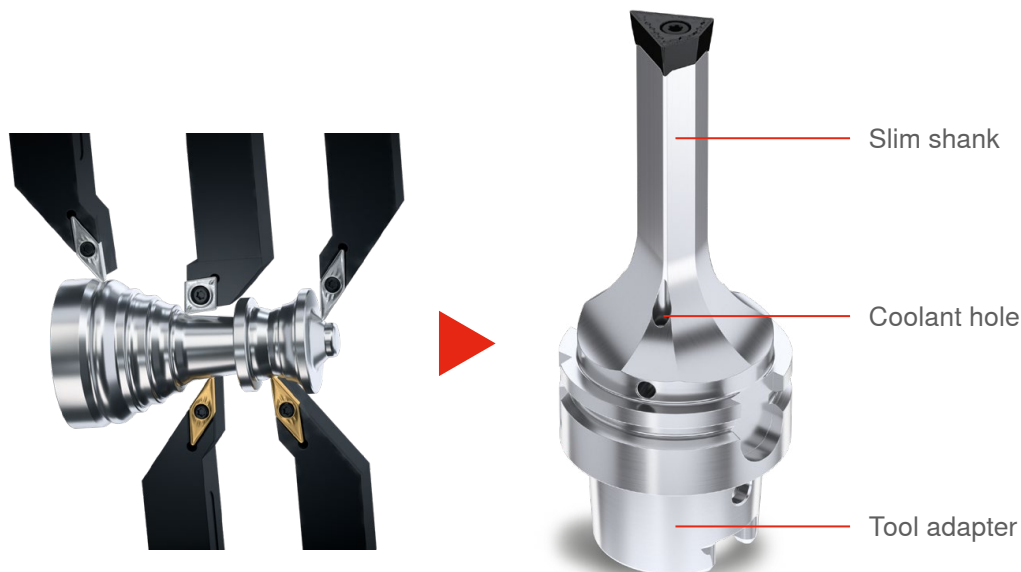
Be part of the
FreeTurn generation!

Multi-award-winning:



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**

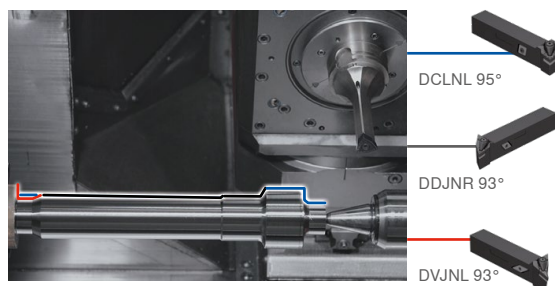
Application with FreeTurn: **1 tool**

Time comparison

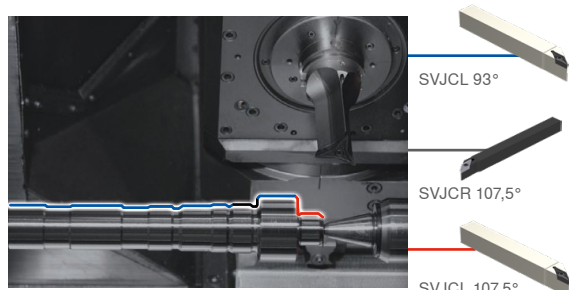
Material 42CrMo4

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

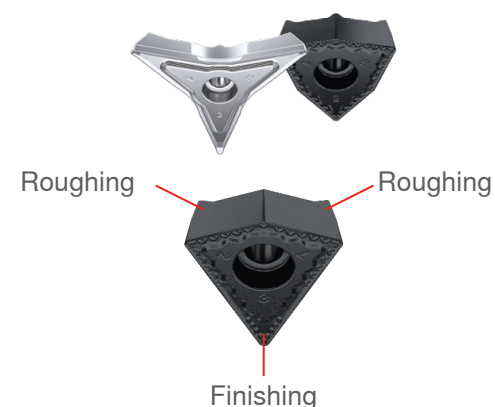
25%
Time savings

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

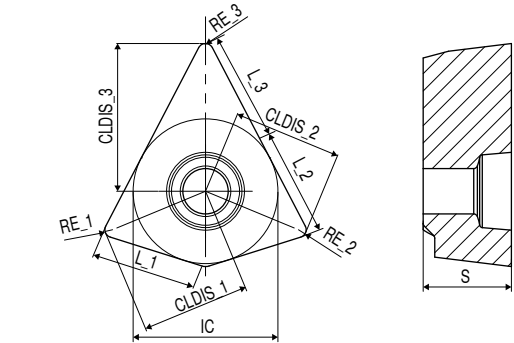
- ▲ Turning with just one tool
- ▲ Huge savings on tool types
- ▲ No tool changes = huge time savings
- ▲ Indexable inserts with up to three ISO geometries can be used on one holder
- ▲ An indexable insert with multiple cutters can consist of different point angles, flanging radii, chip breakers, coatings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



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

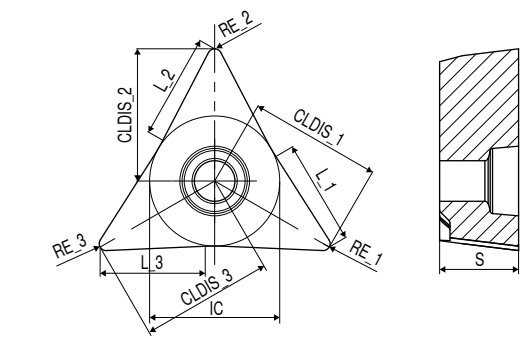


FT15 . 808055...



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 . 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 . 808055...

CTCP125

DRAGONSKIN

M M F

NEW

Article no.

CTPM125

DRAGONSKIN

M M F

NEW

Article no.

ISO	RE_1	RE_2	RE_3		
	mm	mm	mm		£
FT15 M 808055R080804-MMF	0.8	0.8	0.4	74 003 00400	15.66
FT15 M 808055R08-MMF	0.8	0.8	0.8	74 003 00200	15.66
FT15 M 808055R121208-MMF	1.2	1.2	0.8	74 003 00600	15.66

Steel

Stainless steel

Cast iron

Non ferrous metals

Heat resistant alloys

FT15 . 555555...

CTCP125

DRAGONSKIN

F F F

NEW

Article no.

CTPM125

DRAGONSKIN

F F F

NEW

Article no.

ISO	RE_1	RE_2	RE_3		
	mm	mm	mm		£
FT15 M 555555R04-FFF	0.4	0.4	0.4	74 002 00200	13.47
FT15 M 555555R08-FFF	0.8	0.8	0.8	74 002 00400	13.47

Steel

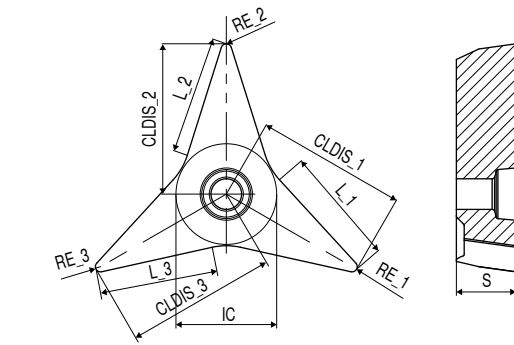
Stainless steel

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...

-28P
H216T

DRAGONSKIN

F F F

NEW

Article no.

ISO	RE_1	RE_2	RE_3		
	mm	mm	mm		£
FT15 G 353535R04-28P	0.4	0.4	0.4	74 001 20200	26.17
FT15 G 353535R08-28P	0.8	0.8	0.8	74 001 20400	26.17

Steel

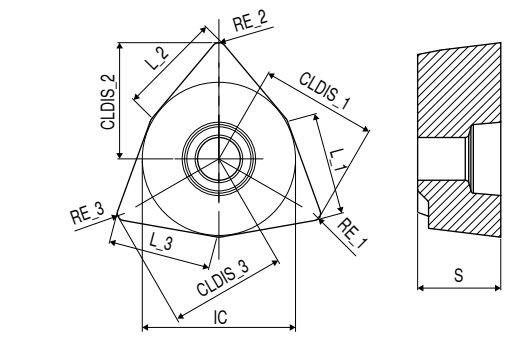
Stainless steel

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...

CTCP125

DRAGONSKIN

M M M

NEW

Article no.

CTPM125

DRAGONSKIN

M M M

NEW

Article no.

ISO	RE_1	RE_2	RE_3		
	mm	mm	mm		£
FT17 M 808080R04-MMM	0.4	0.4	0.4	74 000 00200	18.07
FT17 M 808080R08-MMM	0.8	0.8	0.8	74 000 00400	18.07
FT17 M 808080R12-MMM	1.2	1.2	1.2	74 000 00600	18.07

Steel

Stainless steel

Cast iron

Non ferrous metals

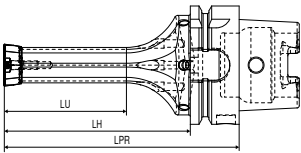
Heat resistant alloys



FreeTurn – HSK-T tool holder FT15

- ▲ Tool holder for FreeTurn indexable insert
- ▲ DirectCooling coolant supply

CERATIZIT \ Performance



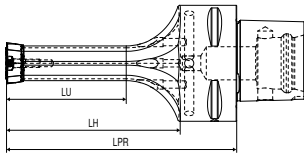
Figures show version FT15 . 808055...

ISO designation	Adapter	LPR	LH	LU	Insert	Article no.	£
		mm	mm	mm			
HSK-T63-100-FT15 353535	HSK-T 63	100	74	40	FT15 . 353535...	74 700 00137	505.76
HSK-T63-100-FT15 555555	HSK-T 63	100	74	40	FT15 . 555555...	74 700 00337	505.76
HSK-T63-100-FT15 808055	HSK-T 63	100	74	40	FT15 . 808055...	74 700 00537	505.76
HSK-T63-125-FT15 353535	HSK-T 63	125	99	65	FT15 . 353535...	74 700 00237	514.81
HSK-T63-125-FT15 555555	HSK-T 63	125	99	65	FT15 . 555555...	74 700 00437	514.81
HSK-T63-125-FT15 808055	HSK-T 63	125	99	65	FT15 . 808055...	74 700 00637	514.81

FreeTurn – PSC tool holder FT15

- ▲ Tool holder for FreeTurn indexable insert
- ▲ DirectCooling coolant supply

CERATIZIT \ Performance



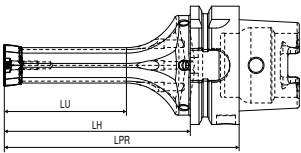
Figures show version FT15 . 808055...

ISO designation	Adapter	LPR	LH	LU	Insert	Article no.	£
		mm	mm	mm			
PSC-63-100-FT15 353535	PSC 63	100	69.4	40	FT15 . 353535...	74 700 00193	587.20
PSC-63-100-FT15 555555	PSC 63	100	69.6	40	FT15 . 555555...	74 700 00393	587.20
PSC-63-100-FT15 808055	PSC 63	100	69.3	40	FT15 . 808055...	74 700 00593	587.20
PSC-63-125-FT15 353535	PSC 63	125	94.4	65	FT15 . 353535...	74 700 00293	596.24
PSC-63-125-FT15 555555	PSC 63	125	94.6	65	FT15 . 555555...	74 700 00493	596.24
PSC-63-125-FT15 808055	PSC 63	125	94.3	65	FT15 . 808055...	74 700 00693	596.24

FreeTurn – HSK-T tool holder FT17

- ▲ Tool holder for FreeTurn indexable insert
- ▲ DirectCooling coolant supply

CERATIZIT \ Performance

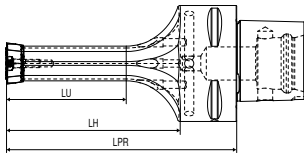


ISO designation	Adapter	LPR	LH	LU	Insert	Article no.	£
		mm	mm	mm			
HSK-T63-100-FT17 808080	HSK-T 63	100	74	40	FT17 . 808080...	74 701 00737	505.76
HSK-T63-125-FT17 808080	HSK-T 63	125	99	65	FT17 . 808080...	74 701 00837	514.81

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			
PSC-63-100-FT17 808080	PSC 63	100	69.3	40	FT17 . 808080...	74 701 00793	587.20
PSC-63-125-FT17 808080	PSC 63	125	94.3	65	FT17 . 808080...	74 701 00893	596.24

Spare parts

Adapter
HSK-T 63 + PSC



Clamping screw

Article no.

£

M4,5x18 - IP

6.64

70 950 25900

Cutting data standard values

			F		M		-28P
			DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN
			CTCP125	CTPM125	CTCP125	CTPM125	H216T
			v _c in m/min		v _c in m/min		v _c in m/min
P	Index	Material	Strength N/mm² / HB / HRC				
	1.1	General construction steel	< 800 N/mm²		200–270	120–260	200–260
	1.2	Free cutting steel	< 800 N/mm²		230–280	130–220	230–280
	1.3	Hardened steel, non alloyed	< 800 N/mm²		240–290	130–250	240–290
	1.4	Alloyed hardened steel	< 1000 N/mm²		200–270	130–220	200–250
	1.5	Tempering steel, unalloyed	< 850 N/mm²		220–260	100–180	210–250
	1.6	Tempering steel, unalloyed	< 1000 N/mm²		210–250	100–180	190–240
	1.7	Tempering steel, alloyed	< 800 N/mm²		210–280	60–180	200–270
	1.8	Tempering steel, alloyed	< 1300 N/mm²		190–240	60–180	180–230
	1.9	Steel castings	< 850 N/mm²		170–240	80–180	160–220
	1.10	Nitriding steel	< 1000 N/mm²		180–240	100–180	180–230
	1.11	Nitriding steel	< 1200 N/mm²		170–240	100–180	170–240
	1.12	Roller bearing steel	< 1200 N/mm²		200–270	80–180	190–260
	1.13	Spring steel	< 1200 N/mm²		170–240	60–180	170–230
	1.14	High-speed steel	< 1300 N/mm²		180–230	80–180	170–210
	1.15	Cold working tool steel	< 1300 N/mm²		150–230	80–150	130–220
	1.16	Hot working tool steel	< 1300 N/mm²		140–220	80–150	130–220
M	2.1	Cast steel and sulphured stainless steel	< 850 N/mm²		200–280	200–280	120–280
	2.2	Stainless steel, ferritic	< 750 N/mm²		200–280	200–280	120–280
	2.3	Stainless steel, martensitic	< 900 N/mm²		190–260	190–260	120–260
	2.4	Stainless steel, ferritic / martensitic	< 1100 N/mm²		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	Gray cast iron with lamellar graphite	100–350 N/mm²		200–260		120–210
	3.2	Gray 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			a _p		
	min.	Recom- mended	max.	min.	Recom- mended	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			a _p		
	min.	Recom- mended	max.	min.	Recom- mended	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			a _p		
	min.	Recom- mended	max.	min.	Recom- mended	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			a _p		
	min.	Recom- mended	max.	min.	Recom- mended	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			a _p		
	min.	Recom- mended	max.	min.	Recom- mended	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.

Technical support: 0800 073 2 075

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



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

Application

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

Universal application range

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

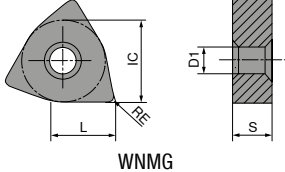
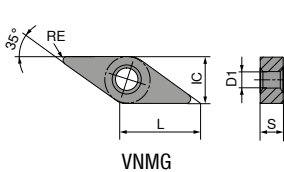
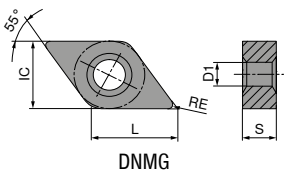
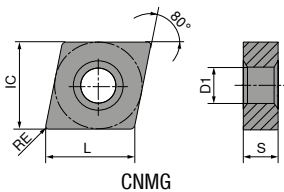
*In future multiple procedures possible
turning | grooving | milling



Further information on the product
can be found in the UP2DATE January
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

ISO	RE	Article no.	£
	mm		
120404EN	0.4	75 003 62800	8.39
120408EN	0.8	75 003 63000	8.39
120412EN	1.2	75 003 63200	8.39
120416EN	1.6	75 003 63400	8.39
Steel			
Stainless steel			
Cast iron			
Non ferrous metals			
Heat resistant alloys			

DNMG

CERATIZIT \ Performance

ISO	RE	Article no.	£
	mm		
150404EN	0.4	75 004 61600	11.59
150408EN	0.8	75 004 61800	11.59
150412EN	1.2	75 004 62000	11.59
150608EN	0.8	75 004 63000	12.59
150612EN	1.2	75 004 63200	12.59
Steel			
Stainless steel			
Cast iron			
Non ferrous metals			
Heat resistant alloys			

VNMG

CERATIZIT \ Performance

ISO	RE	Article no.	£
	mm		
160404EN	0.4	75 009 61600	14.41
160408EN	0.8	75 009 61800	14.41
160412EN	1.2	75 009 62000	14.41
Steel			
Stainless steel			
Cast iron			
Non ferrous metals			
Heat resistant alloys			

WNMG

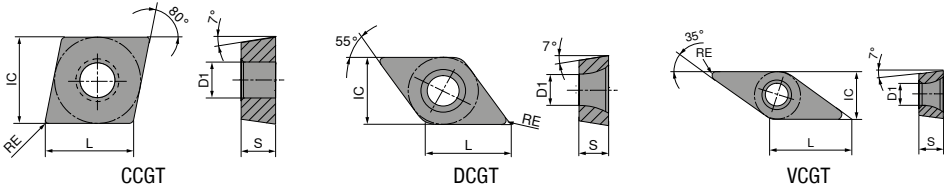
CERATIZIT \ Performance

ISO	RE	Article no.	£
	mm		
080408EN	0.8	75 008 61800	9.99
080412EN	1.2	75 008 62000	9.99
Steel			
Stainless steel			
Cast iron			
Non ferrous metals			
Heat resistant alloys			



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

CERATIZIT \ Performance

ISO	RE	Article no.		Article no.		Article no.	
	mm		£		£		£
060202FN	0.2	70 254 80200	9.93	70 248 75400	12.41	70 248 70200	10.28
060204FN	0.4	70 254 80400	9.93			70 248 70400	10.28
09T302FN	0.2	70 254 81400	10.28	70 248 76600 70 248 76800	12.77 12.77	70 248 71400	10.99
09T304FN	0.4	70 254 81600	10.28			70 248 71600	10.99
09T308FN	0.8	70 254 81800	10.28			70 248 71800	10.99
120402FN	0.2	70 254 82600	12.41	70 248 77800 70 248 78000	14.25 14.25	70 248 72800	13.12
120404FN	0.4	70 254 82800	12.41			70 248 73000	13.12
120408FN	0.8	70 254 83000	12.41				
Steel		●		●		●	
Stainless steel		●		●		●	
Cast iron		○		○		○	
Non ferrous metals		●		●		●	
Heat resistant alloys		●		●		●	

DCGT

CERATIZIT \ Performance

ISO	RE		Article no.		Article no.		Article no.	
	mm			£		£		£
070202FN	0.2		70 260 80200	9.29			70 263 70200	9.86
070204FN	0.4		70 260 80400	9.29			70 263 70400	9.86
11T302FN	0.2		70 260 81400	10.99			70 263 71400	11.42
11T304FL	0.4				70 263 75700	13.12		
11T304FN	0.4		70 260 81600	10.99	70 263 75600	13.12	70 263 71600	11.42
11T304FR	0.4				70 263 75800	13.12		
11T308FN	0.8		70 260 81800	10.99	70 263 76000	13.12	70 263 71800	11.42
Steel			●		●		●	
Stainless steel			●		●		●	
Cast iron			○		○		○	
Non ferrous metals			●		●		●	
Heat resistant alloys			●		●		●	

VCGT

CERATIZIT \ Performance

ISO	RE	Article no.		Article no.	
	mm	£	£	£	£
110302FN	0.2	70 282 71400	13.54	70 280 81400	13.33
110304FN	0.4	70 282 71600	13.54	70 280 81600	13.33
160404FN	0.4	70 282 72800	16.46	70 280 82800	15.20
160408FN	0.8	70 282 73000	16.46	70 280 83000	15.81
160412FN	1.2	70 282 73200	16.46		
220530FN	3.0	70 282 75000	22.19		
Steel		●		●	
Stainless steel		●		●	
Cast iron		○		○	
Non ferrous metals		●		●	
Heat resistant alloys		●		●	

Technical support: 0800 073 2 075

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Application

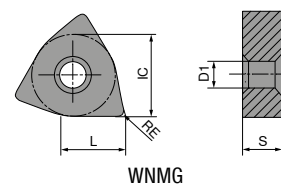
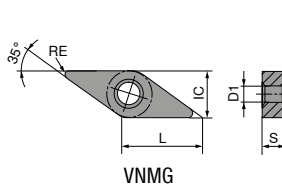
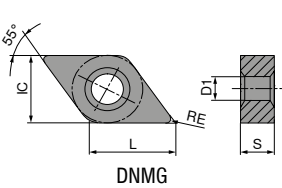
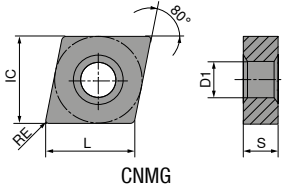
- ▲ Finishing to light roughing
 - ▲ Steel
 - ▲ Universal chip breaker
 - ▲ Low cutting forces
- ▲ Ideally suited to general turning
 - ▲ Draw turning
 - ▲ For chip breaking problems

Turning guide (Main catalogue 2019)

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

CNMG / DNMG / VNMG / WNMG

Designation	L	S	D1	IC
	mm	mm	mm	mm
CNMG 1204..	12.9	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

-M36 CTCP115

-XU HCX1115

M

Article no.

£

-M36 CTCP125

-XU HCX1125

M

Article no.

£

ISO	RE	Article no.	£
	mm		
120404EN	0.4	76 290 328	7.82
120408EN	0.8	76 290 330	7.82
120412EN	1.2	76 290 332	7.82

Steel

Stainless steel

Cast iron

Non ferrous metals

Heat resistant alloys

●

○

○

○

○

VNMG

CERATIZIT \ Performance

-M36 CTCP115

-XU HCX1115

M

Article no.

£

-M36 CTCP125

-XU HCX1125

M

Article no.

£

ISO	RE	Article no.	£
	mm		
160404EN	0.4	76 294 316	14.00
160408EN	0.8	76 294 318	14.00

Steel

Stainless steel

Cast iron

Non ferrous metals

Heat resistant alloys

●

○

○

○

○

DNMG

CERATIZIT \ Performance

-M36 CTCP115

-XU HCX1115

M

Article no.

£

-M36 CTCP125

-XU HCX1125

M

Article no.

£

ISO	RE	Article no.	£
	mm		
150604EN	0.4	76 291 328	10.91
150608EN	0.8	76 291 330	10.91
150612EN	1.2	76 291 332	10.91

Steel

Stainless steel

Cast iron

Non ferrous metals

Heat resistant alloys

●

○

○

○

○

WNMG

CERATIZIT \ Performance

-M36 CTCP115

-XU HCX1115

M

Article no.

£

-M36 CTCP125

-XU HCX1125

M

Article no.

£

ISO	RE	Article no.	£
	mm		
080404EN	0.4	76 295 316	8.55
080408EN	0.8	76 295 318	8.55
080412EN	1.2	76 295 320	8.55

Steel

Stainless steel

Cast iron

Non ferrous metals

Heat resistant alloys

●

○

○

○

○



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.

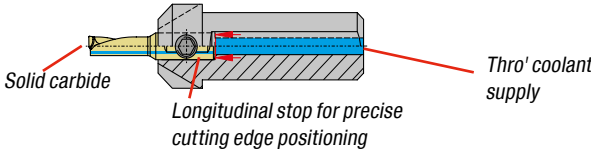
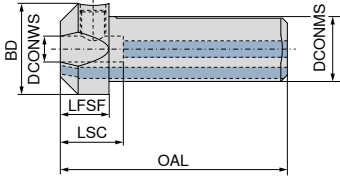
EcoCut guide (Main catalogue 2019)

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



EcoCut – Adapter Mini

CERATIZIT \ Performance

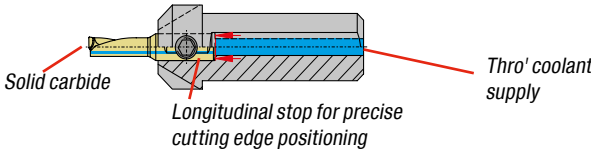
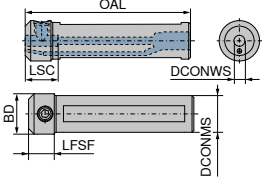


Designation	DCONWS	DCONMS	BD	OAL	LFSF	LSC
	mm	mm	mm	mm	mm	mm
EC-ADX16-04	4	16.00	22	59.0	14	18
EC-ADX12-04-E	4	19.05	25	63.5	14	18
EC-ADX20-04	4	20.00	25	64.0	14	18
EC-ADX16-06	6	16.00	22	59.0	14	18
EC-ADX12-06-E	6	19.05	25	63.5	14	18
EC-ADX20-06	6	20.00	25	64.0	14	18
EC-ADX16-08	8	16.00	22	59.0	14	18
EC-ADX12-08-E	8	19.05	25	63.5	14	18
EC-ADX20-08	8	20.00	25	64.0	14	18

Article no.	
	£
70 800 716	145.89
70 800 719	145.89
70 800 720	145.89
70 800 976	145.89
70 800 986	145.89
70 800 996	145.89
70 800 978	145.89
70 800 988	145.89
70 800 998	145.89

EcoCut – Mini adapter with coolant connection thread

CERATIZIT \ Performance



Designation	DCONWS	DCONMS	BD	OAL	LFSF	LSC	Thread
	mm	mm	mm	mm	mm	mm	
ECA 16-04	4	16.00	20.0	75	14	18	G 1/8
ECA 0750-04	4	19.05	20.0	100	14	18	G 1/8
ECA 20-04	4	20.00	19.6	90	14	18	G 1/8
ECA 22-04	4	22.00	21.6	110	14	18	G 1/8
ECA 25-04	4	25.00	24.6	110	14	18	G 1/8
ECA 1000-04	4	25.40	25.0	110	14	18	G 1/8
ECA 16-06	6	16.00	22.0	75	14	18	G 1/8
ECA 0750-06	6	19.05	22.0	100	14	18	G 1/8
ECA 20-06	6	20.00	22.0	90	14	18	G 1/8
ECA 22-06	6	22.00	21.6	110	14	18	G 1/8
ECA 25-06	6	25.00	24.6	110	14	18	G 1/8
ECA 1000-06	6	25.40	25.0	110	14	18	G 1/8
ECA 16-08	8	16.00	22.0	75	14	18	G 1/8
ECA 0750-08	8	19.05	22.0	100	14	18	G 1/8
ECA 20-08	8	20.00	22.0	90	14	18	G 1/8
ECA 22-08	8	22.00	21.6	110	14	18	G 1/8
ECA 25-08	8	25.00	24.6	110	14	18	G 1/8
ECA 1000-08	8	25.40	25.0	110	14	18	G 1/8

Article no.	
	£
70 801 716	77.89
70 801 719	79.52
70 801 720	79.52
70 801 722	81.91
70 801 725	82.68
70 801 726	82.68
70 801 816	77.89
70 801 819	79.52
70 801 820	79.52
70 801 822	81.91
70 801 825	82.68
70 801 826	82.68
70 801 916	77.89
70 801 919	79.52
70 801 920	79.52
70 801 922	81.91
70 801 925	82.68
70 801 926	82.68

Spare parts
DCONWS

Article no.	
	£
4	M5x10 ISO 4026 2.30 70 950 867
6	M8x1x8 - SW4 2.30 70 950 123
8	M8x1x8 - SW4 2.30 70 950 123



EcoCut – Mini

▲ Drilling and turning tool for small diameters

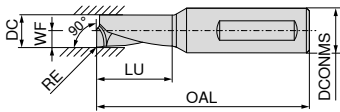


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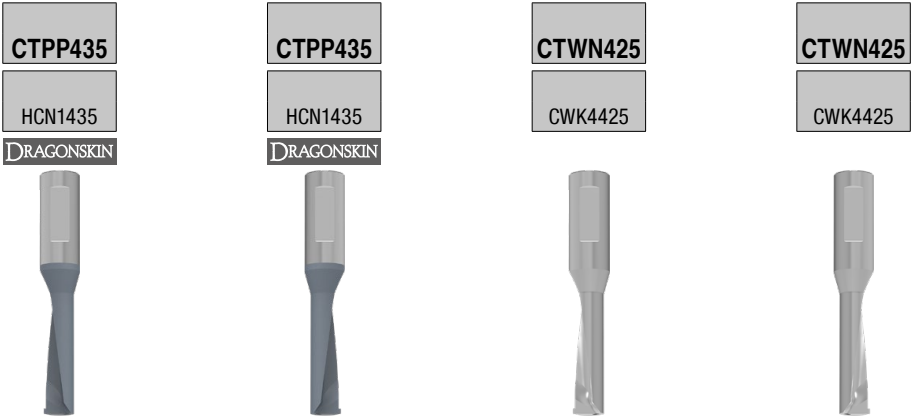
mm

CERATIZIT \ Performance



Designation	DC	DCONMS	OAL	LU	WF	RE
	mm	mm	mm	mm	mm	mm
ECM 02 R/L 2,25D	2.0	4	28	4.50	1.00	0.1
ECM 02 R/L 2,25D AL	2.0	4	28	4.50	1.00	0.1
ECM 02 R/L 4,00D	2.0	4	31	8.00	1.00	0.1
ECM 02 R/L 4,00D AL	2.0	4	31	8.00	1.00	0.1
ECM 02,5 R/L 2,25D	2.5	4	29	5.63	1.25	0.1
ECM 02,5 R/L 2,25D AL	2.5	4	29	5.63	1.25	0.1
ECM 02,5 R/L 4,00D	2.5	4	33	10.00	1.25	0.1
ECM 02,5 R/L 4,00D AL	2.5	4	33	10.00	1.25	0.1
ECM 03 R/L 2,25D	3.0	4	31	6.75	1.50	0.1
ECM 03 R/L 2,25D AL	3.0	4	31	6.75	1.50	0.1
ECM 03 R/L 4,00D	3.0	4	35	12.00	1.50	0.1
ECM 03 R/L 4,00D AL	3.0	4	35	12.00	1.50	0.1
ECM 03,5 R/L 2,25D	3.5	4	32	7.88	1.75	0.1
ECM 03,5 R/L 2,25D AL	3.5	4	32	7.88	1.75	0.1
ECM 03,5 R/L 4,00D	3.5	4	37	14.00	1.75	0.1
ECM 03,5 R/L 4,00D AL	3.5	4	37	14.00	1.75	0.1
ECM 04 R/L 2,25D	4.0	6	35	9.00	2.00	0.2
ECM 04 R/L 2,25D AL	4.0	6	35	9.00	2.00	0.2
ECM 04 R/L 4,00D	4.0	6	41	16.00	2.00	0.2
ECM 04 R/L 4,00D AL	4.0	6	41	16.00	2.00	0.2
ECM 05 R/L 2,25D	5.0	6	37	11.25	2.50	0.2
ECM 05 R/L 2,25D AL	5.0	6	37	11.25	2.50	0.2
ECM 05 R/L 4,00D	5.0	6	45	20.00	2.50	0.2
ECM 05 R/L 4,00D AL	5.0	6	45	20.00	2.50	0.2
ECM 06 R/L 2,25D	6.0	8	38	13.50	3.00	0.2
ECM 06 R/L 2,25D AL	6.0	8	38	13.50	3.00	0.2
ECM 06 R/L 4,00D	6.0	8	49	24.00	3.00	0.2
ECM 06 R/L 4,00D AL	6.0	8	49	24.00	3.00	0.2
ECM 07 R/L 2,25D	7.0	8	42	15.75	3.50	0.2
ECM 07 R/L 2,25D AL	7.0	8	42	15.75	3.50	0.2
ECM 07 R/L 4,00D	7.0	8	53	28.00	3.50	0.2
ECM 07 R/L 4,00D AL	7.0	8	53	28.00	3.50	0.2
ECM 08 R/L 2,25D	8.0	8	45	18.00	4.00	0.2
ECM 08 R/L 2,25D AL	8.0	8	45	18.00	4.00	0.2
ECM 08 R/L 4,00D	8.0	8	57	32.00	4.00	0.2
ECM 08 R/L 4,00D AL	8.0	8	57	32.00	4.00	0.2

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



Solid carbide Left-hand		Solid carbide Right-hand		Solid carbide Left-hand		Solid carbide Right-hand	
Article no.		Article no.		Article no.		Article no.	
	£		£		£		£
70 805 320	46.33	70 804 320	39.38				
70 805 321	48.60	70 804 321	41.31	70 805 420	34.72	70 804 420	34.72
70 805 325	47.75	70 804 325	40.59	70 805 421	36.41	70 804 421	36.41
70 805 326	50.11	70 804 326	42.59	70 805 425	35.76	70 804 425	35.76
70 805 330	49.25	70 804 330	41.86	70 805 426	37.53	70 804 426	37.53
70 805 331	51.72	70 804 331	43.96	70 805 430	36.89	70 804 430	36.89
70 805 335	51.15	70 804 335	43.48	70 805 431	38.73	70 804 431	38.73
70 805 336	53.70	70 804 336	45.65	70 805 435	38.34	70 804 435	38.34
70 805 300	54.32	70 804 300	46.17	70 805 436	40.26	70 804 436	40.26
70 805 301	57.02	70 804 301	48.47	70 805 450	40.67	70 804 450	40.67
70 805 302	56.20	70 804 302	47.77	70 805 451	42.71	70 804 451	42.71
70 805 303	58.80	70 804 303	49.98	70 805 452	41.82	70 804 452	41.82
70 805 306	57.65	70 804 306	49.00	70 805 453	43.86	70 804 453	43.86
70 805 312	60.56	70 804 312	51.48	70 805 456	43.24	70 804 456	43.24
70 805 308	59.43	70 804 308	50.52	70 805 462	45.19	70 804 462	45.19
70 805 314	62.55	70 804 314	53.17	70 805 458	44.57	70 804 458	44.57
70 805 310	61.40	70 804 310	52.19	70 805 464	46.61	70 804 464	46.61
70 805 316	64.32	70 804 316	54.67	70 805 460	45.82	70 804 460	45.82
				70 805 466	48.03	70 804 466	48.03



On the latest technology

Technical Training

Our engineers are provided with constant training to keep them up to speed on all technical matters. We will gladly share this knowledge with you. Use our Service for the further education of your metal cutting technicians in the Technical Centre.

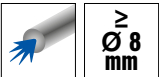


EcoCut – Classic 1.5xD

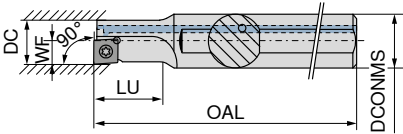
▲ Drilling and turning tool

Scope of supply:

Toolholder with 1 clamping screw + 2 spare screws and screwdriver



CERATIZIT \ Performance



Designation	DC	DCONMS	OAL	LU	WF	torque moment Nm	Insert
	mm	mm	mm	mm	mm		
ECC 08 L 1,5D 04	8	12	80	12.0	4.0	0,4	XC.T 0401..EL
ECC 08 R 1,5D 04	8	12	80	12.0	4.0	0,4	XC.T 0401..ER
ECC 10 R/L 1,5D 05	10	12	90	15.0	5.0	0,7	XC.T 0502..
ECC 12 R/L 1,5D 06	12	16	100	18.0	6.0	1,0	XC.T 0602..
ECC 14 R/L 1,5D 07	14	16	110	21.0	7.0	1,2	XC.T 0703..
ECC 16 R/L 1,5D 08	16	20	125	24.0	8.0	2,2	XC.T 0803..
ECC 18 R/L 1,5D 09	18	25	135	27.0	9.0	2,2	XC.T 09T3..
ECC 20 R/L 1,5D 10	20	25	150	30.0	10.0	3,2	XC.T 10T3..
ECC 25 R/L 1,5D 13	25	32	180	37.5	12.5	5,0	XC.T 1304..
ECC 32 R/L 1,5D 17	32	40	200	48.0	16.0	5,0	XC.T 1705..



Steel
Left-hand



Steel
Right-hand

Article no.		Article no.	
£		£	
70 805 008	122.94	70 804 008	122.94
70 805 010	122.94	70 804 010	122.94
70 805 012	124.95	70 804 012	124.95
70 805 014	127.97	70 804 014	127.97
70 805 016	129.97	70 804 016	129.97
70 805 018	149.91	70 804 018	149.91
70 805 020	169.00	70 804 020	169.00
70 805 025	194.88	70 804 025	194.88
70 805 032	220.92	70 804 032	220.92

EcoCut – Classic 2.25xD

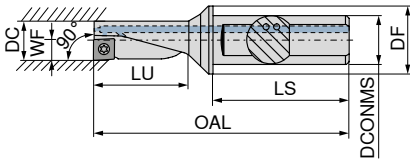
▲ Drilling and turning tool

Scope of supply:

Toolholder with 1 clamping screw + 2 spare screws and screwdriver



CERATIZIT \ Performance



Steel
Left-hand



Steel
Right-hand

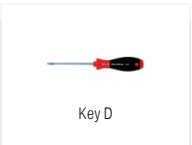
Designation	DC	DCONMS	OAL	LU	LS	WF	torque moment Nm	Insert
	mm	mm	mm	mm	mm	mm		
ECC 08 L 2,25D 04	8	10	60.0	18.0	38	4.0	0,4	XC.T 0401..EL
ECC 08 R 2,25D 04	8	10	60.0	18.0	38	4.0	0,4	XC.T 0401..ER
ECC 10 R/L 2,25D 05	10	12	69.5	22.5	42	5.0	0,7	XC.T 0502..
ECC 12 R/L 2,25D 06	12	16	78.0	27.0	45	6.0	1,0	XC.T 0602..
ECC 14 R/L 2,25D 07	14	16	83.5	31.5	45	7.0	1,2	XC.T 0703..
ECC 16 R/L 2,25D 08	16	20	94.0	36.0	50	8.0	2,2	XC.T 0803..
ECC 18 R/L 2,25D 09	18	25	109.5	40.5	56	9.0	2,2	XC.T 09T3..
ECC 20 R/L 2,25D 10	20	25	111.0	45.0	56	10.0	3,2	XC.T 10T3..
ECC 25 R/L 2,25D 13	25	32	129.0	56.5	60	12.5	5,0	XC.T 1304..
ECC 32 R/L 2,25D 17	32	40	158.0	72.0	70	16.0	5,0	XC.T 1705..

Article no.		Article no.	
£		£	
70 805 108	182.90	70 804 108	182.90
70 805 110	182.90	70 804 110	182.90
70 805 112	187.93	70 804 112	187.93
70 805 114	192.02	70 804 114	192.02
70 805 116	196.04	70 804 116	196.04
70 805 118	215.98	70 804 118	215.98
70 805 120	235.07	70 804 120	235.07
70 805 125	272.93	70 804 125	272.93
70 805 132	306.85	70 804 132	306.85

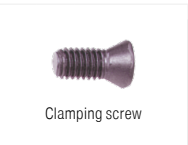
Spare parts

DC

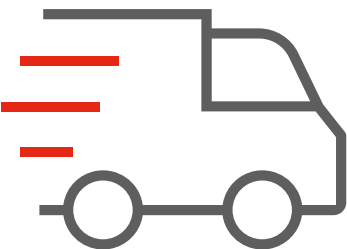
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Key D



Clamping screw



Your tool is ready!

High product availability thanks to state-of-the-art logistics

Why own stock? We take care of that for you! With the cutting-edge logistics center of the cutting tools industry, we guarantee that your order will be delivered promptly.



EcoCut – Classic 3xD – Heavy metal

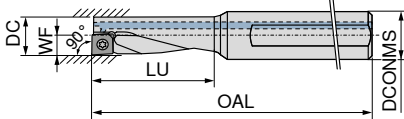
- ▲ Drilling and turning tool
- ▲ vibration-damped

Scope of supply:

Toolholder with 1 clamping screw + 2 spare screws and screwdriver



CERATIZIT \ Performance



Designation	DC	DCONMS	OAL	LU	WF	Insert
	mm	mm	mm	mm	mm	
ECC 08 L 3,00D 04 H	8	12	80	24	4.0	XC.T 0401..EL
ECC 08 R 3,00D 04 H	8	12	80	24	4.0	XC.T 0401..ER
ECC 10 R/L 3,00D 05 H	10	12	85	30	5.0	XC.T 0502..
ECC 12 R/L 3,00D 06 H	12	16	95	36	6.0	XC.T 0602..
ECC 14 R/L 3,00D 07 H	14	16	100	42	7.0	XC.T 0703..
ECC 16 R/L 3,00D 08 H	16	20	110	48	8.0	XC.T 0803..
ECC 18 R/L 3,00D 09 H	18	25	125	54	9.0	XC.T 09T3..
ECC 20 R/L 3,00D 10 H	20	25	130	60	10.0	XC.T 10T3..
ECC 25 R/L 3,00D 13 H	25	32	150	75	12.5	XC.T 1304..
ECC 32 R/L 3,00D 17 H	32	40	185	96	16.0	XC.T 1705..

heavy metal

Left-hand

Article no.

70 805 608 ²⁾ £ 451.04

70 805 610 453.05

70 805 612 488.98

70 805 614 500.34

70 805 616 548.63

70 805 618 664.16

70 805 620 677.60

70 805 625 863.13

70 805 632 1,129.73

heavy metal

Right-hand

Article no.

70 804 608 ¹⁾ £ 451.04

70 804 610 453.05

70 804 612 488.98

70 804 614 500.34

70 804 616 548.63

70 804 618 664.16

70 804 620 677.60

70 804 625 863.13

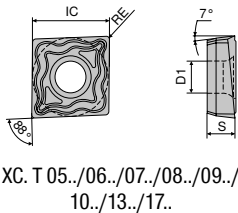
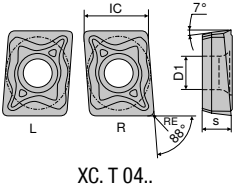
70 804 632 1,129.73

Spare parts
DC

	Article no.	Article no.
	£	£
8	T06 - IP 7.52	M1,8x3,6 - IP 2.85
10	T06 - IP 7.52	M2x4,3 - IP 2.53
12	T07 - IP 7.42	M2,2x5 - IP 2.46
14	T08 - IP 7.42	M2,5x6 - IP 3.16
16 - 18	T09 - IP 8.12	M3x7 - IP 2.42
20	T15 - IP 8.67	M3,5x8,6 - IP 2.42
25 - 32	T20 - IP 9.11	M4,5x10,5 - IP 2.42

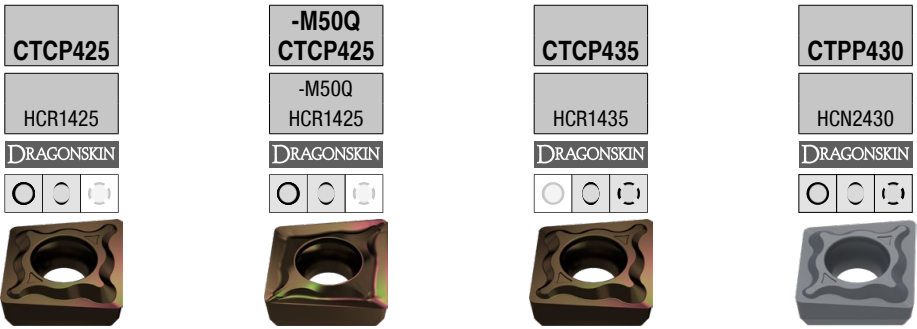
XCNT

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



XCNT

CERATIZIT \ Performance



ISO	RE	XCNT	XCNT	XCNT	XCNT
	mm	Article no.	Article no.	Article no.	Article no.
		£	£	£	£
040102EL	0.2	70 386 720 10.55		70 386 820 10.55	70 386 920 10.55
040102ER	0.2	70 386 722 10.55		70 386 822 10.55	70 386 922 10.55
040104EL	0.4	70 386 700 10.55	70 386 750 11.01	70 386 800 10.55	70 386 900 10.55
040104ER	0.4	70 386 702 10.55	70 386 752 11.01	70 386 802 10.55	70 386 902 10.55
050202EN	0.2	70 386 723 10.55		70 386 823 10.55	70 386 923 10.55
050204EN	0.4	70 386 703 10.55	70 386 753 11.01	70 386 803 10.55	70 386 903 10.55
060202EN	0.2	70 386 724 10.55		70 386 824 10.55	70 386 924 10.55
060204EN	0.4	70 386 704 10.55	70 386 754 11.01	70 386 804 10.55	70 386 904 10.55
070304EN	0.4	70 386 705 10.55	70 386 755 11.01	70 386 805 10.55	70 386 905 10.55
080304EN	0.4	70 386 706 10.71	70 386 756 11.18	70 386 806 10.71	70 386 906 10.71
09T304EN	0.4	70 386 707 10.87	70 386 757 11.42	70 386 807 10.87	70 386 907 10.87
10T304EN	0.4	70 386 708 11.42	70 386 758 11.89	70 386 808 11.42	70 386 908 11.42
10T308EN	0.8	70 386 738 11.42	70 386 788 11.89	70 386 838 11.42	70 386 938 11.42
130404EN	0.4	70 386 710 13.06	70 386 760 13.68	70 386 810 13.06	70 386 910 13.06
130408EN	0.8	70 386 740 13.06	70 386 790 13.68	70 386 840 13.06	70 386 940 13.06
170508EN	0.8	70 386 712 13.76	70 386 762 14.47	70 386 812 13.76	70 386 912 13.76
Steel		●	●	●	●
Stainless steel		○	○	○	●
Cast iron		●	●	●	○
Non ferrous metals					○
Heat resistant alloys					●

Technical support: 0800 073 2 075

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

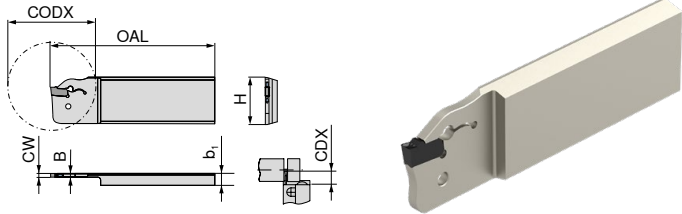


Order by 6:30 pm and get free,
guaranteed before 12 noon, next day delivery



MonoClamp – Radial Blade SX reinforced

CERATIZIT \ Performance



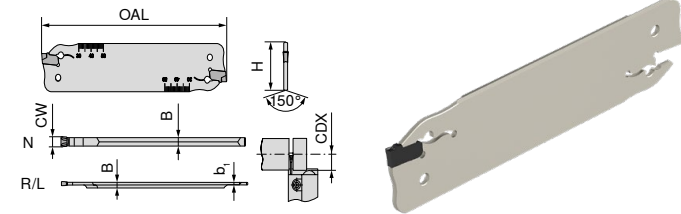
Illustrations show right-hand versions

Designation	CW	H	B	OAL	b ₁	CODX	CDX	for grooving inserts	R/L/N	Article no.	
	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	61.59
XLCF L 2608-SX3	3	26	2.5	110	8	44	22	SX .3..	L	70 879 213	61.59
XLCF L 3208-SX3	3	32	2.5	110	8	66	33	SX .3..	L	70 879 203	57.91
XLCF L 3208-SX4	4	32	3.4	110	8	66	33	SX .4..	L	70 879 204	57.91
XLCF R 2608-SX2	2	26	1.5	110	8	44	22	SX .2..	R	70 879 012	61.59
XLCF R 2608-SX3	3	26	2.5	110	8	44	22	SX .3..	R	70 879 013	61.59
XLCF R 3208-SX3	3	32	2.5	110	8	66	33	SX .3..	R	70 879 003	57.91
XLCF R 3208-SX4	4	32	3.4	110	8	66	33	SX .4..	R	70 879 004	57.91

1) can be used in both directions

MonoClamp – Radial Blade SX Standard

CERATIZIT \ Performance



Designation	CW	H	B	b ₁	OAL	CDX	for grooving inserts	R/L/N	Article no.	
	mm	mm	mm	mm	mm	mm				£
XLCF L 2602-SX2	2	26	2.4	1.5	110	25	SX .2..	L	70 884 212	40.23
XLCF L 3202-SX2	2	32	2.4	1.5	150	25	SX .2..	L	70 884 202	42.09
XLCF R 2602-SX2	2	26	2.4	1.5	110	25	SX .2..	R	70 884 012	40.23
XLCF R 3202-SX2	2	32	2.4	1.5	150	25	SX .2..	R	70 884 002	42.09
XLCF N 2603-SX3	3	26	2.4		110	35	SX .3..	N	70 884 113	40.23
XLCF N 3203-SX3	3	32	2.4		150	50	SX .3..	N	70 884 103	42.09
XCLF N 2604-SX4	4	26	3.2		110	40	SX .4..	N	70 884 114	40.23
XLCF N 3204-SX4	4	32	3.2		150	50	SX .4..	N	70 884 104	42.09
XLCF N 3205-SX5	5	32	4.2		150	55	SX .5..	N	70 884 105	42.09
XLCF N 3206-SX6	6	32	5.2		150	60	SX .6..	N	70 884 106	42.09

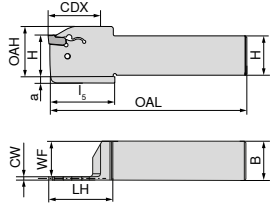
Spare parts

for grooving inserts

		Article no.
SX .2..		
SX .3..		
SX .4..		
SX .5..		
SX .6..		
	SX 2-3	70 950 836
	SX 2-3	70 950 836
	SX 4-6	70 950 837
	SX 4-6	70 950 837
	SX 4-6	70 950 837

MonoClamp – Radial Monoholder SX

CERATIZIT \ Performance



Illustrations show right-hand versions

Designation	H	B	CW	WF	OAL	LH	l _s	OAH	CDX	a	for grooving inserts	Left-hand Article no.	Right-hand Article no.
	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	70 846 21600
E20 R/L 0026-2020K-K-SX2	20	20	2	19.2	125	33	33	31	26	5	SX .2..	70 846 22001	70 846 22000
E16 R/L 0026-1616K-K-SX3	16	16	3	14.8	125	33	33	26	26	4	SX .3..	70 846 31601	70 846 31600
E20 R/L 0026-2020K-K-SX3	20	20	3	18.8	125	31	33	31	26	5	SX .3..	70 846 32001	70 846 32000
E25 R/L 0026-2525M-K-SX3	25	25	3	23.8	150	33		31	26		SX .3..	70 846 32501	70 846 32500
E20 R/L 0033-2020K-K-SX4	20	20	4	18.3	125	40	40	32	33	5	SX .4..	70 846 42001	70 846 42000
E25 R/L 0033-2525M-K-SX4	25	25	4	23.3	150	42	42	36	33	5	SX .4..	70 846 42501	70 846 42500
E25 R/L 0040-2525M-K-SX5	25	25	5	22.9	150	49	49	38	40	6	SX .5..	70 846 52501	70 846 52500
E25 R/L 0040-2525M-K-SX6	25	25	6	22.4	150	49	49	38	40	6	SX .6..	70 846 62501	70 846 62500

Spare parts

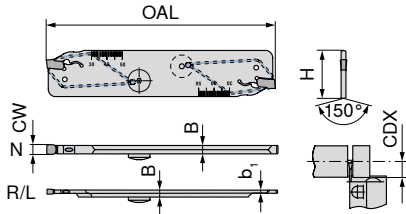
for grooving inserts

		Article no.
SX .2..		
SX .3..		
SX .4..		
SX .5..		
SX .6..		
	SX 2-3	70 950 836
	SX 2-3	70 950 836
	SX 4-6	70 950 837
	SX 4-6	70 950 837
	SX 4-6	70 950 837

MonoClamp – Radial Blade SX-DC Standard



CERATIZIT \ Performance



Designation	CW	H	B	OAL	b ₁	CDX	for grooving inserts	R/L/N	Article no.	
	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	68.64
XLCF N 2603-DC-SX3	3	26	2.5	110		35	SX .3..	N	70 884 613	68.64
XLCF N 3203-DC-SX3	3	32	2.5	150		50	SX .3..	N	70 884 603	74.37
XLCF N 3204-DC-SX4	4	32	3.3	150		50	SX .4..	N	70 884 604	74.37

Spare parts

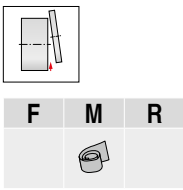
for grooving inserts

SX .2..											
SX .3..											
SX .4..											
	T15 - IP	8.67	80 950 128	SX 2-3	20.54	70 950 836					
	T15 - IP	8.67	80 950 128	SX 2-3	20.54	70 950 836					
	T15 - IP	8.67	80 950 128	SX 4-6	20.96	70 950 837					

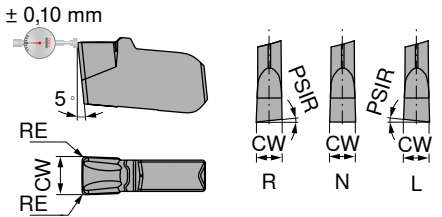


Insert SX

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



CERATIZIT \ Performance



Designation	IH	CW ±0,05	for tool holder
		mm	
SX E2.00 L 6	L	2	-SX2
SX E3.00 L 6	L	3	-SX3
SX E4.00 L 6	L	4	-SX4
SX E2.00 N 0.20	N	2	-SX2
SX E3.00 N 0.20	N	3	-SX3
SX E4.00 N 0.30	N	4	-SX4
SX E5.00 N 0.30	N	5	-SX5
SX E6.00 N 0.40	N	6	-SX6
SX E2.00 R 6	R	2	-SX2
SX E3.00 R 6	R	3	-SX3
SX E4.00 R 6	R	4	-SX4

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



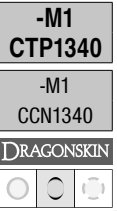
Article no.	£
70 342 913	8.77
70 342 922	8.24
70 342 923	8.77
70 342 924	9.23
70 342 925	9.83
70 342 926	10.61
70 342 903	8.77



Article no.	£
70 342 523	8.77
70 342 524	9.23



Article no.	£
70 342 822	8.24
70 342 823	8.77
70 342 824	9.23
70 342 825	9.83
70 342 826	10.61



Article no.	£
70 342 612	8.24
70 342 613	8.77
70 342 614	9.23
70 342 622	8.24
70 342 623	8.77
70 342 624	9.23
70 342 625	9.83
70 342 626	10.61
70 342 602	8.24
70 342 603	8.77
70 342 604	9.23

SX-M1

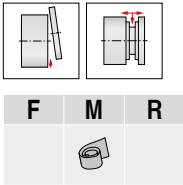
Parting / Grooving



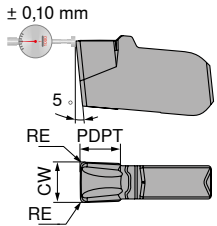
SX-M1	Feed rate f in mm/rev.
Cutting width in mm	
2	0,05–0,15
3	0,10–0,20
4	0,10–0,25
5	0,15–0,30
6	0,15–0,35

Insert SX

▲ All purpose geometry for parting, grooving & turning.

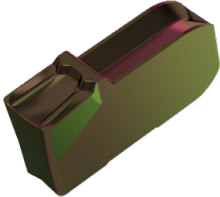


CERATIZIT \ Performance



Designation	CW ±0,05	RER ±0,05	PDPT	for tool holder
	mm	mm	mm	
SX E2.00 N 0.20	2	0.2	1.5	-SX2
SX E3.00 N 0.30	3	0.3	2.0	-SX3
SX E4.00 N 0.40	4	0.4	2.5	-SX4
SX E5.00 N 0.40	5	0.4	2.7	-SX5
SX E6.00 N 0.50	6	0.5	3.0	-SX6

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



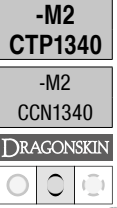
Article no.	£
70 343 922	8.24
70 343 923	8.77
70 343 924	9.23
70 343 925	9.83
70 343 926	10.61



Article no.	£
70 343 522	8.24
70 343 523	8.77
70 343 524	9.23
70 343 525	9.83
70 343 526	10.61



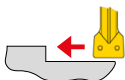
Article no.	£
70 343 822	8.24
70 343 823	8.77
70 343 824	9.23
70 343 825	9.83
70 343 826	10.61



Article no.	£
70 343 622	8.24
70 343 623	8.77
70 343 624	9.23
70 343 625	9.83
70 343 626	10.61

SX-M2

Turning



Parting / Grooving



SX-M2	0,5	1,0	1,5	2,0	2,5	3,0	3,5	4,0
Depth of Cut a _p in mm								
Cutting width in mm								
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

SX-M2	Feed rate f in mm/rev.
2	0,05–0,15
3	0,075–0,20
4	0,10–0,25
5	0,10–0,30
6	0,15–0,35
8	0,20–0,50
10	0,20–0,50

Technical support: 0800 073 2 075

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



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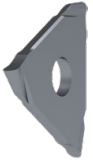
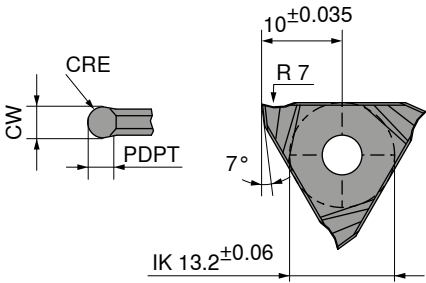


Radial TX insert for corner recessing

▲ Full radius for cutting width 0.5–5.0 mm

CERATIZIT \ Performance

CWX500



Neutral

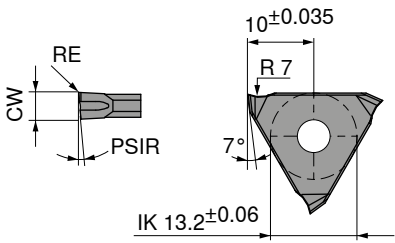
Designation	CRE	CW ^{+/-0,05}	PDPT	for tool holder	Article no.	
						£
TX N 0010.20.2	1.0	2	0.7	R/L ... 2	73 304 204	25.57
TX N 0015.30.3	1.5	3	1.0	R/L ... 3	73 304 206	27.03
TX N 0020.40.4	2.0	4	1.2	R/L ... 4	73 304 208	26.85
TX N 0025.50.4	2.5	5	1.5	R/L ... 4	73 304 210	27.30

TX Insert for parting

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

CERATIZIT \ Performance

CWX500



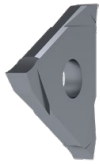
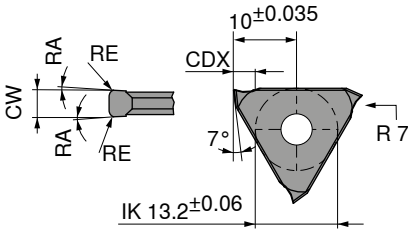
Right-hand

Designation	CW ^{-0,05}	for tool holder	Article no.	
				£
TX R 0518.00.1	1.99	R/L 207 ... / 780 ... 1	73 301 204	24.66
TX R 0521.00.2	2.29	R/L 207 ... / 780 ... 2	73 301 206	25.46
TX R 0526.00.2	2.79	R/L 207 ... / 780 ... 2	73 301 208	25.46

TX insert for fine and copy turning

CERATIZIT \ Performance

CWX500



Neutral

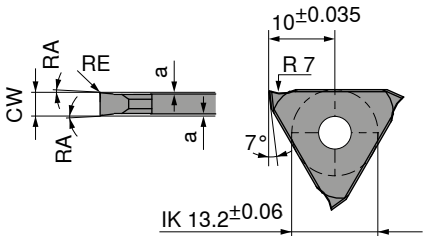
Designation	CW ^{-0,03}	for tool holder	Article no.	
				£
TX N 0150.02.1	1.5	R/L 207 ... / 738 ... / 660 ... 1	73 303 204	21.03
TX N 0200.02.1	2.0	R/L 207 ... / 738 ... / 660 ... 1	73 303 206	21.03
TX N 0200.04.1	2.0	R/L 207 ... / 738 ... / 660 ... 1	73 303 208	21.59
TX N 0300.06.2	3.0	R/L 207 ... / 738 ... / 660 ... 2	73 303 212	22.17
TX N 0300.08.2	3.0	R/L 207 ... / 738 ... / 660 ... 2	73 303 214	22.17
TX N 0300.02.2	3.0	R/L 207 ... / 738 ... / 660 ... 2	73 303 210	21.59
TX N 0400.02.3	4.0	R/L 207 ... / 738 ... / 660 ... 3	73 303 216	22.36
TX N 0400.12.3	4.0	R/L 207 ... / 738 ... / 660 ... 3	73 303 220	22.36
TX N 0400.08.3	4.0	R/L 207 ... / 738 ... / 660 ... 3	73 303 218	22.36

TX insert for circlip grooves

▲ For circlip grooves according to DIN 471 / 472

CERATIZIT \ Performance

CWX500



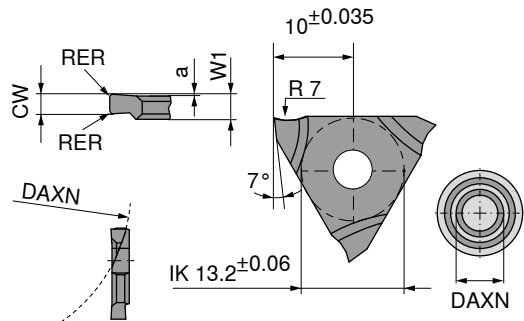
Neutral

Designation	CW ^{-0,05}	a ^{+/-0.02}	for tool holder	Article no.	
					£
TX N 0050.00.1	0.57	0.07	R/L ... 1	73 300 204	16.85
TX N 0060.00.1	0.67	0.07	R/L ... 1	73 300 206	16.85
TX N 0070.00.1	0.77	0.08	R/L ... 1	73 300 208	16.85
TX N 0080.00.1	0.87	0.08	R/L ... 1	73 300 210	16.85
TX N 0090.00.1	0.97	0.08	R/L ... 1	73 300 212	16.85
TX N 0100.00.1	1.07	0.09	R/L ... 1	73 300 214	16.85
TX N 0110.00.1	1.24	0.15	R/L ... 1	73 300 216	16.85
TX N 0130.00.1	1.44	0.15	R/L ... 1	73 300 218	16.85
TX N 0160.00.1	1.74	0.20	R/L ... 1	73 300 220	16.85
TX N 0185.00.1	1.99	0.20	R/L ... 1	73 300 222	16.85
TX N 0215.00.2	2.29	0.20	R/L ... 2	73 300 224	16.85
TX N 0265.00.2	2.79	0.20	R/L ... 2	73 300 226	16.85
TX N 0315.00.3	3.29	0.20	R/L ... 3	73 300 228	19.22
TX N 0415.00.4	4.29	0.20	R/L ... 4	73 300 230	19.32
TX N 0515.00.4	5.29	0.20	R/L ... 4	73 300 232	19.94

TX insert for axial grooving

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

CERATIZIT \ Performance



Illustrations show right-hand versions

Designation	CW	W1	CDX	a	DAXN	for tool holder
	mm	mm	mm	mm	mm	
TX R/L 2015.2.2	1.5	2.7	2.0	0.2	20	R/L 207 ... 2
TX R/L 3020.2.2	2.0	2.7	3.0	0.2	30	R/L 207 ... 2
TX R/L 3030.2.3	3.0	3.7	3.0	0.2	30	R/L 207 ... 3
TX R/L 3040.2.4	4.0	4.3	3.5	0.2	30	R/L 207 ... 4
TX R/L 3050.2.4	5.0	5.3	3.5	0.2	30	R/L 207 ... 4

CWX500

CWX500



Left-hand

Right-hand



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

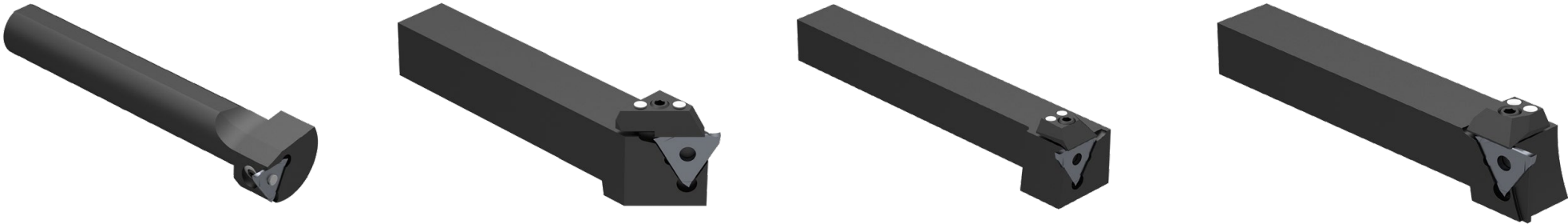


Illustrations show right-hand versions

Designation	H	B	OAL	l ₂	CDX	for grooving inserts	Right-hand	
							Article no.	£
R 207.1212.1	12	12	100	24	4	TX R/N/L ...1	73 500 112	106.58
R 207.1616.1	16	16	125	22	4	TX R/N/L ...1	73 500 116	95.12
R 207.2020.1	20	20	125	21	4	TX R/N/L ...1	73 500 120	73.77
R 207.2525.1	25	25	150		4	TX R/N/L ...1	73 500 125	77.63
R 207.3232.1	32	32	170		4	TX R/N/L ...1	73 500 132	90.23
R 207.1212.2	12	12	100	24	6	TX R/N/L ...2	73 500 212	106.58
R 207.1616.2	16	16	125	22	6	TX R/N/L ...2	73 500 216	95.12
R 207.2020.2	20	20	125	21	6	TX R/N/L ...2	73 500 220	73.77
R 207.2525.2	25	25	150		6	TX R/N/L ...2	73 500 225	77.63
R 207.3232.2	32	32	170		6	TX R/N/L ...2	73 500 232	90.23
R 207.1212.3	12	12	100	24	6	TX R/N/L ...3	73 500 312	106.58
R 207.1616.3	16	16	125	22	6	TX R/N/L ...3	73 500 316	95.12
R 207.2020.3	20	20	125	21	6	TX R/N/L ...3	73 500 320	73.77
R 207.2525.3	25	25	150		6	TX R/N/L ...3	73 500 325	77.63
R 207.3232.3	32	32	170		6	TX R/N/L ...3	73 500 332	90.23
R 207.1616.4	16	16	125	22	6	TX R/N/L ...4	73 500 416	96.14
R 207.2020.4	20	20	125	21	6	TX R/N/L ...4	73 500 420	74.55
R 207.2525.4	25	25	150		6	TX R/N/L ...4	73 500 425	78.42
R 207.3232.4	32	32	170		6	TX R/N/L ...4	73 500 432	91.15

		Key I		right hand		Clamping screw		Guide pin			
Spare parts	Article no.			Article no.		Article no.		Article no.			
for grooving inserts		£		£		£		£			
TX R/N/L ...1	SW3	1.90	70 950 176	21.67	73 950 020	M6x20	4.56	73 950 028	Ø 4x18	0.55	73 950 030
TX R/N/L ...2	SW3	1.90	70 950 176	21.67	73 950 020	M6x20	4.56	73 950 028	Ø 4x18	0.55	73 950 030
TX R/N/L ...3	SW3	1.90	70 950 176	21.67	73 950 020	M6x20	4.56	73 950 028	Ø 4x18	0.55	73 950 030
TX R/N/L ...4	SW3	1.90	70 950 176	24.07	73 950 022	M6x20	4.56	73 950 028	Ø 4x18	0.55	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

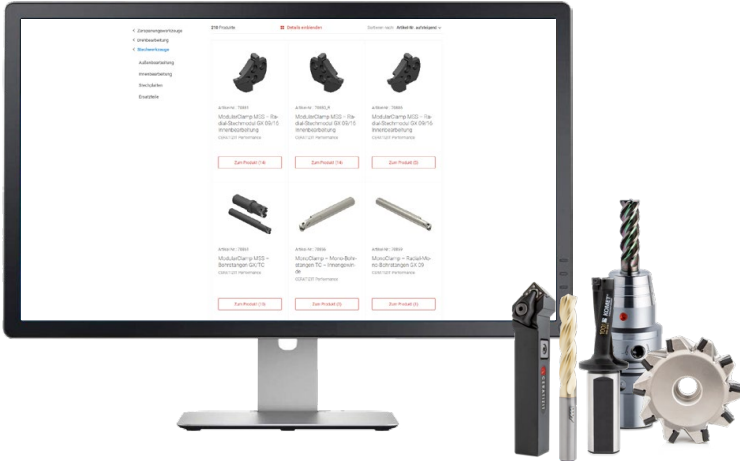
Grooving Tools guide (Main catalogue 2019)

Cutting Data 100–109 Chip Breakers Overview 121–124

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



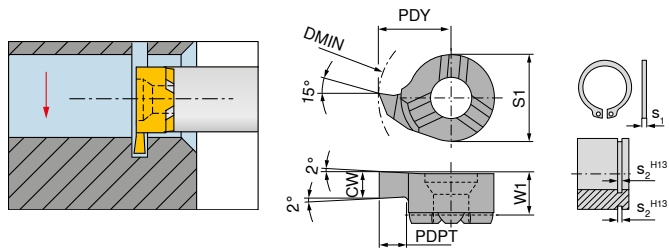
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guaranteed before 12 noon, next day delivery



MiniCut – Grooving insert

WNT \ Performance

CWX500

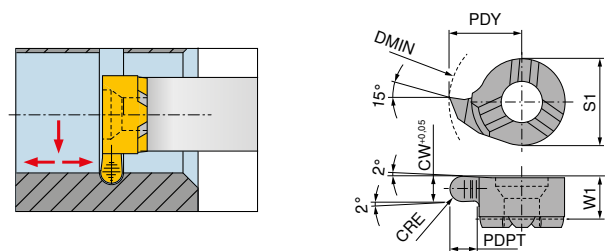


Size	Designation	DMIN	CW	PDPT	W1	PDY	S1	Right-hand	
								Article no.	£
08	8,00. R.0.73.1,0	8	0.73	1.0	3.3	4.8	6	73 310 073	17.61
	8,00. R.0.83.1,0	8	0.83	1.0	3.3	4.8	6	73 310 083	17.61
	8,00. R.0.93.1,0	8	0.93	1.0	3.3	4.8	6	73 310 093	17.61
	8,00. R.1.00.1,0	8	1.00	1.0	3.3	4.8	6	73 310 110	17.61
	8,00. R.1.20.1,0	8	1.20	1.0	3.3	4.8	6	73 310 112	17.61
	8,00. R.1.40.1,0	8	1.40	1.0	3.3	4.8	6	73 310 114	17.61
	8,00. R.1.50.1,0	8	1.50	1.0	3.3	4.8	6	73 310 115	17.61
	8,00. R.1.70.1,0	8	1.70	1.0	3.3	4.8	6	73 310 117	17.61
11	8,00. R.2.00.1,0	8	2.00	1.0	3.3	4.8	6	73 310 120	17.61
	11,00. R.0.73.1,2	11	0.73	1.2	4.2	6.7	8	73 310 373	17.61
	11,00. R.0.83.1,3	11	0.83	1.3	4.2	6.7	8	73 310 383	17.61
	11,00. R.0.93.1,5	11	0.93	1.5	4.2	6.7	8	73 310 393	17.61
	11,00. R.1.00.2,3	11	1.00	2.3	4.2	6.7	8	73 310 310	17.61
	11,00. R.1.20.2,3	11	1.20	2.3	4.2	6.7	8	73 310 312	17.61
	11,00. R.1.40.2,3	11	1.40	2.3	4.2	6.7	8	73 310 314	17.61
	11,00. R.1.50.2,3	11	1.50	2.3	4.2	6.7	8	73 310 315	17.61
14	11,00. R.1.70.2,3	11	1.70	2.3	4.2	6.7	8	73 310 317	17.61
	11,00. R.2.00.2,3	11	2.00	2.3	4.2	6.7	8	73 310 320	17.61
	11,00. R.2.50.2,3	11	2.50	2.3	4.2	6.7	8	73 310 325	17.61
	11,00. R.3.00.2,3	11	3.00	2.3	4.2	6.7	8	73 310 330	17.61
	14,00. R.0.73.1,2	14	0.73	1.2	5.3	9.0	9	73 310 573	17.61
	14,00. R.0.83.1,3	14	0.83	1.3	5.3	9.0	9	73 310 583	17.61
	14,00. R.0.93.1,5	14	0.93	1.5	5.3	9.0	9	73 310 593	17.61
	14,00. R.1.20.4,0	14	1.20	4.0	5.3	9.0	9	73 310 512	17.61
16	14,00. R.1.40.4,0	14	1.40	4.0	5.3	9.0	9	73 310 514	17.61
	14,00. R.1.50.4,0	14	1.50	4.0	5.3	9.0	9	73 310 515	17.61
	14,00. R.1.70.4,0	14	1.70	4.0	5.3	9.0	9	73 310 517	17.61
	14,00. R.2.00.4,0	14	2.00	4.0	5.3	9.0	9	73 310 520	17.61
	14,00. R.2.50.4,0	14	2.50	4.0	5.3	9.0	9	73 310 525	17.61
	14,00. R.3.00.4,0	14	3.00	4.0	5.3	9.0	9	73 310 530	17.61
	16,00. R.0.73.1,2	16	0.73	1.2	5.4	10.2	11	73 310 773	21.45
	16,00. R.0.83.1,3	16	0.83	1.3	5.4	10.2	11	73 310 783	21.45
	16,00. R.0.93.1,5	16	0.93	1.5	5.4	10.2	11	73 310 793	21.45
	16,00. R.1.20.4,3	16	1.20	4.3	5.4	10.2	11	73 310 712	19.38
	16,00. R.1.40.4,3	16	1.40	4.3	5.4	10.2	11	73 310 714	19.38
	16,00. R.1.50.4,3	16	1.50	4.3	5.4	10.2	11	73 310 715	19.38
	16,00. R.1.70.4,3	16	1.70	4.3	5.4	10.2	11	73 310 717	19.38
	16,00. R.2.00.4,3	16	2.00	4.3	5.4	10.2	11	73 310 720	19.38
	16,00. R.2.50.4,3	16	2.50	4.3	5.4	10.2	11	73 310 725	19.38
	16,00. R.3.00.4,3	16	3.00	4.3	5.4	10.2	11	73 310 730	19.38
	16,00. R.3.50.4,3	16	3.50	4.3	5.4	10.2	11	73 310 735	19.38
	16,00. R.4.00.4,3	16	4.00	4.3	5.4	10.2	11	73 310 740	19.38
Steel									●
Stainless steel									●
Cast iron									●
Non ferrous metals									●
Heat resistant alloys									●
Hardened materials									

MiniCut – Full radius grooving and turning insert

WNT \ Performance

CWX500

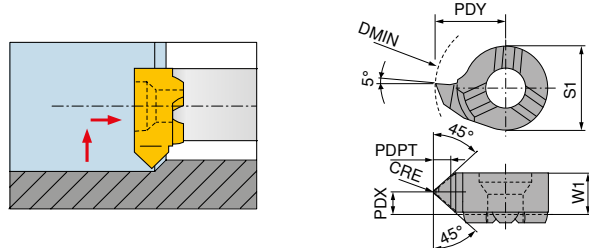


Size	Designation	DMIN	CW	PDPT	W1	PDY	S1	CRE	Right-hand	
									Article no.	£
08	8,00. R.0.80.1,0	8	0.8	1.0	3.3	4.8	6	0.4	73 318 008	21.95
	8,00. R.1.20.1,0	8	1.2	1.0	3.3	4.8	6	0.6	73 318 012	21.95
	8,00. R.1.80.1,0	8	1.8	1.0	3.3	4.8	6	0.9	73 318 018	21.95
11	11,00. R.0.80.2,3	11	0.8	2.3	4.2	6.7	8	0.4	73 318 308	22.23
	11,00. R.1.20.2,3	11	1.2	2.3	4.2	6.7	8	0.6	73 318 312	22.23
	11,00. R.1.80.2,3	11	1.8	2.3	4.2	6.7	8	0.9	73 318 318	22.23
	11,00. R.2.00.2,3	11	2.0	2.3	4.2	6.7	8	1.0	73 318 320	22.23
	11,00. R.3.00.2,3	11	3.0	2.3	4.2	6.7	8	1.5	73 318 330	22.23
14	14,00. R.1.20.4,0	14	1.2	4.0	5.3	9.0	9	0.6	73 318 512	23.52
	14,00. R.1.80.4,0	14	1.8	4.0	5.3	9.0	9	0.9	73 318 518	23.52
	14,00. R.2.00.4,0	14	2.0	4.0	5.3	9.0	9	1.0	73 318 520	23.52
	14,00. R.2.20.4,0	14	2.2	4.0	5.3	9.0	9	1.1	73 318 522	23.52
	14,00. R.3.00.4,0	14	3.0	4.0	5.3	9.0	9	1.5	73 318 530	23.52
16	16,00. R.1.80.4,3	16	1.8	4.3	5.4	10.2	11	0.9	73 318 718	23.77
	16,00. R.2.20.4,3	16	2.2	4.3	5.4	10.2	11	1.1	73 318 722	23.77
	16,00. R.3.00.4,3	16	3.0	4.3	5.4	10.2	11	1.5	73 318 730	23.77
	16,00. R.4.00.4,3	16	4.0	4.3	5.4	10.2	11	2.0	73 318 740	23.77
Steel									●	
Stainless steel									●	
Cast iron									●	
Non ferrous metals									●	
Heat resistant alloys									●	
Hardened materials										

MiniCut – Internal turning and chamfering insert

WNT \ Performance

CWX500

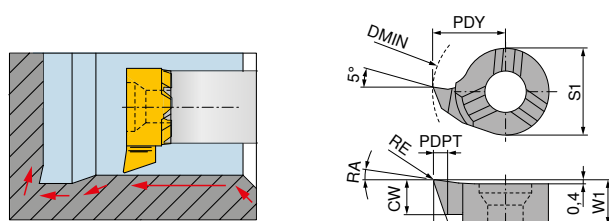


Size	Designation	DMIN	PDPT	W1	PDX	PDY	S1	CRE	CDX	Right-hand	
										Article no.	£
08	8,00. R.45°.1,4	8	1.4	3.5	1.8	4.8	6	0.2	0.6	73 334 010	19.59
11	11,00. R.45°.1,5	11	1.5	4.3	2.2	6.7	8	0.2	1.0	73 334 310	19.59
14	14,00. R.45°.1,5	14	1.5	5.4	2.8	9.0	9	0.2	1.2	73 334 510	21.16
Steel										●	
Stainless steel										●	
Cast iron										●	
Non ferrous metals										●	
Heat resistant alloys										●	
Hardened materials											

MiniCut – Insert for turning and profiling

WNT \ Performance

CWX500

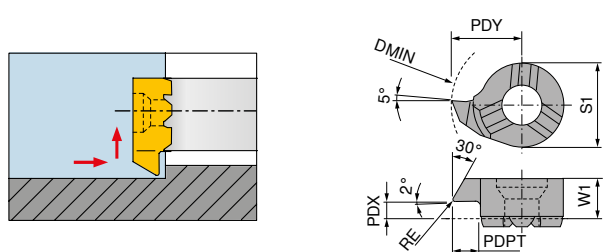


Size	Designation	DMIN	CW	W1	PDY	S1	RE	PDPT	PSIR	RA	Right-hand	
											Article no.	£
08	8,00. R.3.30.18°	7.8	3.3	3.5	4.65	6	0.2	0.6	18	8	73 322 033	20.38
11	9,80. R.3.90.18°	9.8	3.9	4.2	5.50	8	0.2	1.0	18	8	73 322 139	20.38
	11,00. R.3.90.18°	11.0	3.9	4.2	6.70	8	0.2	1.0	18	8	73 322 339	20.16
14	14,00. R.5.00.18°	13.8	5.0	5.1	8.70	9	0.2	1.5	18	8	73 322 550	20.16
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	22.03
Steel											●	
Stainless steel											●	
Cast iron											●	
Non ferrous metals											●	
Heat resistant alloys											●	
Hardened materials												

MiniCut – Back boring insert

WNT \ Performance

CWX500

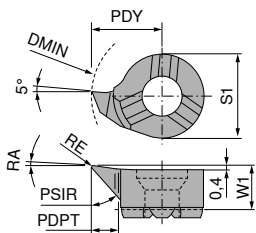
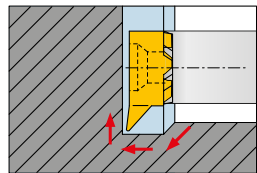


Size	Designation	DMIN	PDPT	W1	PDX	PDY	S1	RE	CDX	Right-hand		
											Article no.	
		mm	mm	mm	mm	mm	mm	mm	mm	£		
08	8,00. R .30°1,3	7.8	1.3	3.5	1.0	4.65	6	0.2	0.6	73 330 013	23.45	
11	11,00. R .30°2,3	11.0	2.3	4.3	1.6	6.70	8	0.2	1.0		73 330 323	22.96
14	14,00. R .30°3,5	13.8	3.5	5.4	2.4	8.70	9	0.2	1.5	73 330 535	23.45	
Steel										●		
Stainless steel										●		
Cast iron										●		
Non ferrous metals										●		
Heat resistant alloys										●		
Hardened materials												

MiniCut – Internal undercut insert

▲ CDX = maximale Zustelltiefe

WNT \ Performance



CWX500

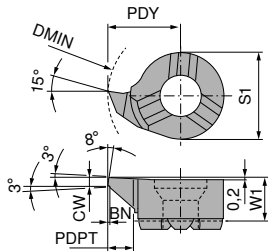
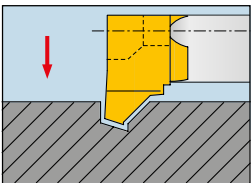


Size	Designation	DMIN	PDPT	W1	PDY	S1	RE	CDX	PSIR	RA	Right-hand	
											Article no.	£
08	8,00. R .30°1,0	7.8	1.0	3.5	4.65	6	0.2	0.4	30	3	73 326 010	23.54
	8,00. R .47°1,2	7.8	1.2	3.5	4.65	6	0.2	0.4	47	3	73 326 012	20.45
11	11,00. R .30°2,3	11.0	2.3	4.2	6.70	8	0.2	0.6	30	3	73 326 423	22.99
	11,00. R .47°2,3	11.0	2.3	4.2	6.70	8	0.2	0.6	47	3	73 326 323	19.91
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	20.45
	13,70. R .30°4,0	13.7	4.0	5.3	8.70	9	0.2	0.8	30	3	73 326 540	23.54
Steel												●
Stainless steel												●
Cast iron												●
Non ferrous metals												●
Heat resistant alloys												●
Hardened materials												●

MiniCut – Insert for pregrooving and chamfering

WNT \ Performance

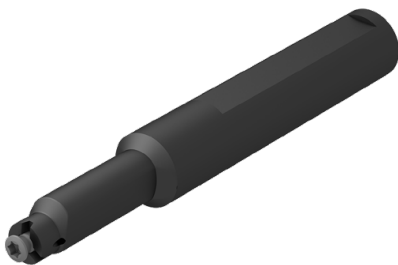
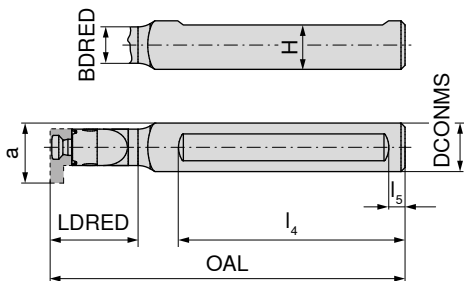
CWX500



Size	Designation	DMIN	CW	PDPT	W1	PDY	S1	BN	Right-hand	
									Article no.	£
08	8,00. R .1,00.45°	8	1	1.0	3.3	4.8	6	0.2	73 338 100	19.91
11	11,00. R .1,00.45°	11	1	1.5	4.2	6.7	8	0.2	73 338 315	19.91
14	14,00. R .1,00.45°	14	1	1.5	5.3	9.0	9	0.2	73 338 515	19.91
16	16,00. R .1,00.45°	16	1	1.5	5.4	10.2	11	0.2	73 338 715	19.91
Steel										●
Stainless steel										●
Cast iron										●
Non ferrous metals										●
Heat resistant alloys										●
Hardened materials										●

MiniCut – Steel Tool holder

WNT \ Performance



Designation	a	DCONMS ₁₇	OAL	I ₄	LDRED	BDRED	H	I ₅	Article no.	
									Article no.	£
8,00/16.N.12.1,0	7.8	16	80	60	12	6	15.0	5	73 522 012	105.33
8,00/16.N.22.1,0	7.8	16	90	60	22	6	15.0	5	73 522 122	120.86
11,00/16.N.16.2,3	10.7	16	97	60	16	8	14.5	5	73 522 016	105.33
11,00/16.N.29.2,3	10.7	16	110	60	29	8	14.5	5	73 522 129	120.86
14,00/16.N.18.4,0	13.8	16	100	60	18	11	14.5	5	73 522 018	120.86
14,00/16.N.38.4,0	13.8	16	120	60	38	11	14.5	5	73 522 138	120.86
16,00/16.N.22.4,3	15.7	16	100	60	22	11	14.5	5	73 522 022	105.33
16,00/16.N.42.4,3	15.7	16	120	60	42	11	14.5	5	73 522 142	120.86

Spare parts

Size	Key D			Clamping screw		
	Article no.	£	Article no.	Article no.	£	Article no.
08	T08	5.67	80 950 110	M2,6	3.93	73 082 002
11	T10	6.63	80 950 112	M3,5	3.93	73 082 003
14	T15	6.74	80 950 113	M4	3.93	73 082 004
16	T20	7.21	80 950 114	M5	3.93	73 082 005

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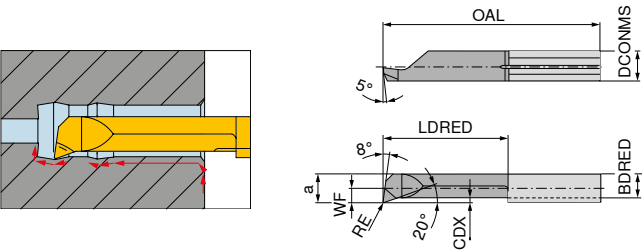
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UltraMini – Inserts for internal turning and profiling



WNT \ Performance



Designation	DCONMS _{h6}	WF	DMIN	a	OAL	LDRED	CDX	BDRED	RE	Standard tool holder
	mm	mm	mm	mm	mm	mm	mm	mm	mm	
R 050.2-5	4		2.0	1.7	19	5	0.1	1.5	0.05	645.00..-D
R 050.2-10	4		2.0	1.7	24	10	0.1	1.5	0.05	645.00..-D
R 050.2-15	4		2.0	1.7	29	15	0.1	1.5	0.05	645.00..-D
R 050.3-10	4	0.6	2.8	2.6	24	10	0.2	2.3	0.10	645.00..-D
R 050.3-16	4	0.6	2.8	2.6	30	16	0.2	2.3	0.10	645.00..-D
R 050.3-20	4	0.6	2.8	2.6	34	20	0.2	2.3	0.10	645.00..-D
R 050.4-10	4	1.5	4.0	3.5	24	10	0.3	3.0	0.10	645.00..-D
R 050.4-16	4	1.5	4.0	3.5	30	16	0.3	3.0	0.10	645.00..-D
R 050.4-20	4	1.5	4.0	3.5	34	20	0.3	3.0	0.10	645.00..-D
R 050.4-24	4	1.5	4.0	3.5	38	24	0.3	3.0	0.10	645.00..-D
R 050.4-28	4	1.5	4.0	3.5	42	28	0.3	3.0	0.10	645.00..-D
R 050.5-10	5	1.9	5.0	4.4	25	10	0.5	3.8	0.15	645.00..-D
R 050.5-15	5	1.9	5.0	4.4	30	15	0.5	3.8	0.15	645.00..-D
R 050.5-20	5	1.9	5.0	4.4	35	20	0.5	3.8	0.15	645.00..-D
R 050.5-25	5	1.9	5.0	4.4	40	25	0.5	3.8	0.15	645.00..-D
R 050.5-30	5	1.9	5.0	4.4	45	30	0.5	3.8	0.15	645.00..-D
R 050.5-35	5	1.9	5.0	4.4	50	35	0.5	3.8	0.15	645.00..-D
R/L 050.5-40	5	1.9	5.0	4.4	55	40	0.5	3.8	0.15	645.00..-D
R 050.6-15	6	2.3	6.0	5.3	30	15	0.5	4.5	0.15	676.00..-D
R 050.6-22	6	2.3	6.0	5.3	37	22	0.5	4.5	0.15	676.00..-D
R 050.6-25	6	2.3	6.0	5.3	40	25	0.5	4.5	0.15	676.00..-D
R 050.6-30	6	2.3	6.0	5.3	45	30	0.5	4.5	0.15	676.00..-D
R 050.6-35	6	2.3	6.0	5.3	50	35	0.5	4.5	0.15	676.00..-D
R 050.6-42	6	2.3	6.0	5.3	57	42	0.5	4.5	0.15	676.00..-D
R 050.7-20	7	2.8	6.8	6.3	35	20	0.6	5.5	0.15	676.00..-D
R 050.7-25	7	2.8	6.8	6.3	40	25	0.6	5.5	0.15	676.00..-D
R 050.7-30	7	2.8	6.8	6.3	45	30	0.6	5.5	0.15	676.00..-D
R 050.7-35	7	2.8	7.0	6.3	50	35	0.6	5.5	0.15	676.00..-D
R 050.7-40	7	2.8	7.0	6.3	55	40	0.6	5.5	0.15	676.00..-D
R 050.7-45	7	2.8	7.0	6.3	60	45	0.6	5.5	0.15	676.00..-D
R 050.7-50	7	2.8	7.0	6.3	65	50	0.6	5.5	0.15	676.00..-D

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

TiN



TiAlN

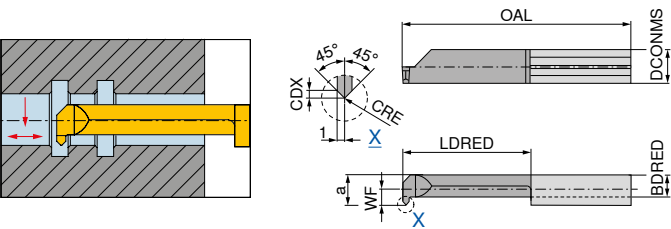


Right-hand		Right-hand	
Article no.		Article no.	
	£		£
73 004 520	25.24		
73 004 521	27.51		
73 004 522	27.28		
73 004 531	29.01		
73 004 530	31.82		
73 004 532	31.78		
73 004 541	28.61	73 004 841	27.44
73 004 540	28.61	73 004 840	29.01
73 004 542	30.49	73 004 842	32.44
73 004 545	35.74	73 004 845	36.83
73 004 546	39.14	73 004 846	41.00
73 004 551	27.07	73 004 851	25.71
73 004 552	28.84	73 004 852	27.44
73 004 550	29.60	73 004 850	31.59
73 004 553	33.44	73 004 853	35.74
73 004 554	36.76	73 004 854	40.29
73 004 556	42.67	73 004 856	44.68
		73 004 857	48.56
73 004 561	28.30	73 004 861	27.44
73 004 560	30.81	73 004 860	31.59
73 004 562	32.76	73 004 862	35.74
73 004 563	37.24	73 004 863	40.29
73 004 564	42.67	73 004 864	44.68
73 004 565	48.53	73 004 865	49.93
73 004 572	31.44	73 004 872	31.14
73 004 573	38.87	73 004 873	36.14
73 004 574	39.42	73 004 874	40.13
73 004 575	45.45	73 004 875	45.45
73 004 576	50.63	73 004 876	50.63
73 004 577	52.67	73 004 877	52.67
73 004 578	57.76	73 004 878	57.76

UltraMini – Inserts for internal turning and chamfering



WNT \ Performance



Designation	DCONMS _{h6}	WF	DMIN	a	OAL	LDRED	CDX	BDRED	CRE	Standard tool holder
	mm	mm	mm	mm	mm	mm	mm	mm	mm	
R 060.5-15	5	1.9	5.0	4.4	30	15	0.7	3.3	0.2	645.00..-D
R 060.5-20	5	1.9	5.0	4.4	35	20	0.7	3.3	0.2	645.00..-D
R 060.7-20	7	2.7	6.8	6.3	35	20	0.7	3.8	0.2	676.00..-D

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

TiN



Right-hand	
Article no.	
	£
73 006 551	25.86
73 006 550	28.78
73 006 570	30.02

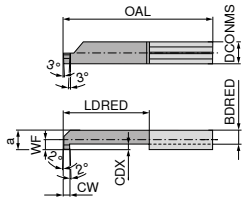
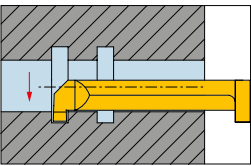


UltraMini – Inserts for Internal Grooving



WNT \ Performance

TiN



Designation	DCONMS _{h6}	WF	DMIN	a	OAL	LDRED	CDX	BDRED	CW	Standard tool holder	Right-hand	
											Article no.	£
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	25.48
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	31.12
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	33.54
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	25.07
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	25.95
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	25.95
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	29.37
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	29.37
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	29.37
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	33.25
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	33.25
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	33.25
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	36.83
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	37.08
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	36.83
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	41.00
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	41.31
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	41.00
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	44.75
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	25.53
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	24.45
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	25.53
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	29.60
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	29.60
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	29.60
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	33.48
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	33.48
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	33.48
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	37.08
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	37.08
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	37.08
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	41.31
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	41.31
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	41.31
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	44.75
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	44.75
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	50.24
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	25.95
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	25.95
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	25.95
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	29.91
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	28.61
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	29.91
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	34.17
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	34.17
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	34.17
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	37.47
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	36.92
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	37.47
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	39.42
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	40.67
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	42.01
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	46.01
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	46.01
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	46.01
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	51.02
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	51.02
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	55.42
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	59.25

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

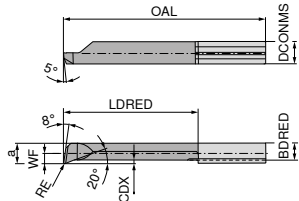
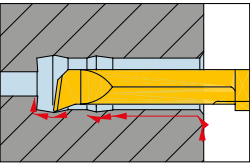
UltraMini – Inserts for internal turning and profiling

▲ with chip former



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Designation	DCONMS _{h6}	WF	DMIN	a	OAL	LDRED	CDX	BDRED	RE	Standard tool holder	Right-hand	
											Article no.	£
R 050.4-10C	4	1.5	4	3.5	24	10	0.3	3.0	0.2	645.00..-D	73 016 410	27.44
R 050.4-16C	4	1.5	4	3.5	30	16	0.3	3.0	0.2	645.00..-D	73 016 416	29.01
R 050.4-20C	4	1.5	4	3.5	34	20	0.3	3.0	0.2	645.00..-D	73 016 420	32.44
R 050.4-24C	4	1.5	4	3.5	38	24	0.3	3.0	0.2	645.00..-D	73 016 424	36.83
R 050.4-28C	4	1.5	4	3.5	42	28	0.3	3.0	0.2	645.00..-D	73 016 428	41.00
R 050.5-10C	5	1.9	5	4.4	25	10	0.5	3.8	0.2	645.00..-D	73 016 510	25.71
R 050.5-15C	5	1.9	5	4.4	30	15	0.5	3.8	0.2	645.00..-D	73 016 515	27.44
R 050.5-20C	5	1.9	5	4.4	35	20	0.5	3.8	0.2	645.00..-D	73 016 520	31.59
R 050.5-25C	5	1.9	5	4.4	40	25	0.5	3.8	0.2	645.00..-D	73 016 525	35.74
R 050.5-30C	5	1.9	5	4.4	45	30	0.5	3.8	0.2	645.00..-D	73 016 530	40.29
R 050.5-35C	5	1.9	5	4.4	50	35	0.5	3.8	0.2	645.00..-D	73 016 535	44.68
R 050.6-15C	6	2.3	6	5.3	30	15	0.5	4.5	0.2	676.00..-D	73 016 615	27.44
R 050.6-22C	6	2.3	6	5.3	37	22	0.5	4.5	0.2	676.00..-D	73 016 622	31.59
R 050.6-25C	6	2.3	6	5.3	40	25	0.5	4.5	0.2	676.00..-D	73 016 625	35.74
R 050.6-30C	6	2.3	6	5.3	45	30	0.5	4.5	0.2	676.00..-D	73 016 630	40.29
R 050.6-35C	6	2.3	6	5.3	50	35	0.5	4.5	0.2	676.00..-D	73 016 635	44.68
R 050.6-42C	6	2.3	6	5.3	57	42	0.5	4.5	0.2	676.00..-D	73 016 642	49.93
R 050.7-20C	7	2.8	7	6.3	35	20	0.6	5.5	0.2	676.00..-D	73 016 720	31.14
R 050.7-25C	7	2.8	7	6.3	40	25	0.6	5.5	0.2	676.00..-D	73 016 725	36.14
R 050.7-30C	7	2.8	7	6.3	45	30	0.6	5.5	0.2	676.00..-D	73 016 730	40.13
R 050.7-35C	7	2.8	7	6.3	50	35	0.6	5.5	0.2	676.00..-D	73 016 735	45.45
R 050.7-40C	7	2.8	7	6.3	55	40	0.6	5.5	0.2	676.00..-D	73 016 740	50.63
R 050.7-45C	7	2.8	7	6.3	60	45	0.6	5.5	0.2	676.00..-D	73 016 745	52.67
R 050.7-50C	7	2.8	7	6.3	65	50	0.6	5.5	0.2	676.00..-D	73 016 750	57.76

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

UltraMini – Inserts for internal threading (Partial profile)



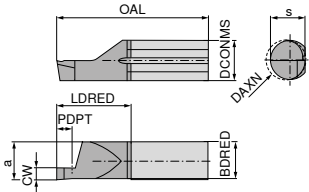
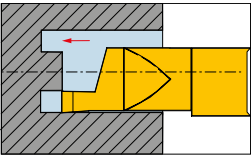
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TiN

UltraMini – Inserts for axial grooving



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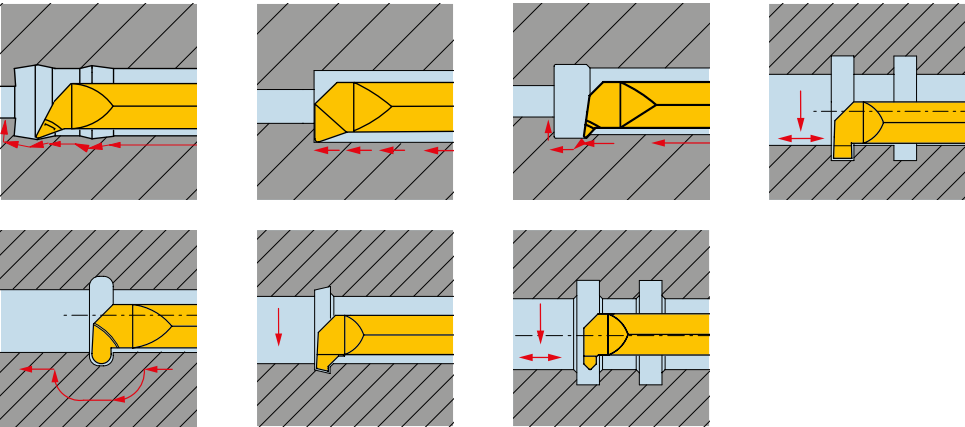


Designation	DCONMS _{g6}		DAXN		OAL	LDRED	BDRED	PDPT	CW	Standard tool holder	Right-hand	
	mm	a mm	mm	s mm							Article no.	£
R 010.1006-10	6	5.2	6	5.3	26	11	4.9	1.5	1.0	676.00.-D	73 050 561	31.98
R 010.1506-10	6	5.2	6	5.3	26	11	4.9	2.0	1.5	676.00.-D	73 050 563	31.98
R 010.1008-10	7	5.9	8	6.3	26	11	5.6	1.5	1.0	676.00.-D	73 050 571	32.69
R 010.1008-30	7	5.9	8	6.3	45	30	5.6	1.5	1.0	676.00.-D	73 050 771	36.83
R 010.1008-20	7	5.9	8	6.3	35	20	5.6	1.5	1.0	676.00.-D	73 050 671	34.95
R 010.1508-20	7	5.9	8	6.3	35	20	5.6	2.5	1.5	676.00.-D	73 050 673	33.75
R 010.1508-30	7	5.9	8	6.3	45	30	5.6	2.5	1.5	676.00.-D	73 050 773	36.83
R 010.1508-10	7	5.9	8	6.3	26	11	5.6	2.5	1.5	676.00.-D	73 050 573	31.68
R 010.2008-20	7	5.9	8	6.3	35	20	5.6	3.0	2.0	676.00.-D	73 050 675	33.75
R 010.2008-30	7	5.9	8	6.3	45	30	5.6	3.0	2.0	676.00.-D	73 050 775	36.83
R 010.2008-10	7	5.9	8	6.3	26	11	5.6	3.0	2.0	676.00.-D	73 050 575	31.68
R 010.2508-20	7	5.9	8	6.3	35	20	5.6	3.5	2.5	676.00.-D	73 050 677	34.95
R 010.3008-20	7	5.9	8	6.3	35	20	5.6	3.5	3.0	676.00.-D	73 050 679	33.75
R 010.2508-30	7	5.9	8	6.3	45	30	5.6	3.5	2.5	676.00.-D	73 050 777	36.83
R 010.3008-10	7	5.9	8	6.3	26	11	5.6	3.5	3.0	676.00.-D	73 050 579	32.69
R 010.3008-30	7	5.9	8	6.3	45	30	5.6	3.5	3.0	676.00.-D	73 050 779	36.83
R 010.2508-10	7	5.9	8	6.3	26	11	5.6	3.5	2.5	676.00.-D	73 050 577	32.69

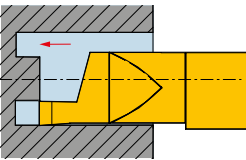
Steel	●
Stainless steel	●
Cast iron	○
Non ferrous metals	○
Heat resistant alloys	○
Hardened materials	○

Internal turning and profiling, grooving and chamfering

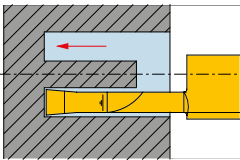
From Diameter 2.0 mm onwards up to a turning depth of 15.0 mm



Axial grooving

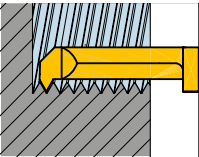


Minimum external diameter of groove 6.0 mm
At 1.5 mm grooving width
Up to 2.0 mm grooving depth



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
Coatings and thread types	63		

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

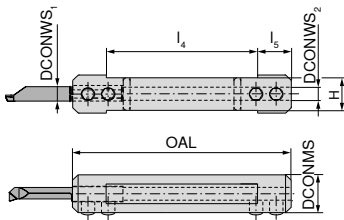
UltraMini – Standard tool holder for cutting inserts

- ▲ double ended
- ▲ Machining diameter from Ø 0.2 mm

Scope of supply:

Tool holder with allen key

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Designation	DCONWS ₁		DCONWS ₂		DCONMS	OAL	I ₄ mm	I ₅ mm	H mm	Article no.	
	mm	mm	mm	mm							£
645.0012-D	4	5	12	75	55	10	10.3			73 080 163	95.14
645.0016-D	4	5	16	75	55	10	14.0			73 080 164	99.94
645.0020-D	4	5	20	90	70	10	18.0			73 080 165	107.62
676.0016-D	6	7	16	75	55	10	14.0			73 080 166	99.94
676.0020-D	6	7	20	90	70	10	18.0			73 080 167	107.62



Clamping screw

Spare parts

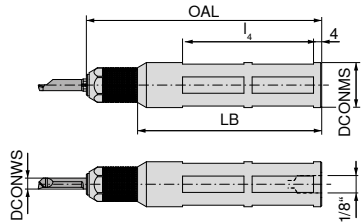
DCONWS ₁		Article no.	
	£		
4		M5x6	3.16 73 082 001
6		M5x6	3.16 73 082 001

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	I ₄ mm	Article no.	
							£
UM600H.0012.4	4	12.00	115	90	64	73 089 124	179.60
UM600H.0016.4	4	16.00	115	90	64	73 089 164	162.95
UM600H.001905.4	4	19.05	115	90	64	73 089 194	174.85
UM600H.0020.4	4	20.00	115	90	64	73 089 204	172.47
UM600H.0022.4	4	22.00	115	90	64	73 089 224	175.44
UM600H.0025.4	4	25.00	115	90	64	73 089 254	179.01
UM600H.00254.4	4	25.40	115	90	64	73 089 264	182.58
UM600H.0028.4	4	28.00	115	90	64	73 089 284	182.58
UM600H.0012.5	5	12.00	115	90	64	73 089 125	179.60
UM600H.0016.5	5	16.00	115	90	64	73 089 165	162.95
UM600H.001905.5	5	19.05	115	90	64	73 089 195	174.85
UM600H.0020.5	5	20.00	115	90	64	73 089 205	172.47
UM600H.0022.5	5	22.00	115	90	64	73 089 225	175.44
UM600H.0025.5	5	25.00	115	90	64	73 089 255	179.01
UM600H.00254.5	5	25.40	115	90	64	73 089 265	182.58
UM600H.0028.5	5	28.00	115	90	64	73 089 285	182.58
UM600H.0012.6	6	12.00	115	90	64	73 089 126	179.60
UM600H.0016.6	6	16.00	115	90	64	73 089 166	162.95
UM600H.001905.6	6	19.05	115	90	64	73 089 196	174.85
UM600H.0020.6	6	20.00	115	90	64	73 089 206	172.47
UM600H.0022.6	6	22.00	115	90	64	73 089 226	175.44
UM600H.0025.6	6	25.00	115	90	64	73 089 256	179.01
UM600H.00254.6	6	25.40	115	90	64	73 089 266	182.58
UM600H.0028.6	6	28.00	115	90	64	73 089 286	182.58
UM600H.0012.7	7	12.00	115	90	64	73 089 127	179.60
UM600H.0016.7	7	16.00	115	90	64	73 089 167	162.95
UM600H.001905.7	7	19.05	115	90	64	73 089 197	174.85
UM600H.0020.7	7	20.00	115	90	64	73 089 207	172.47
UM600H.0022.7	7	22.00	115	90	64	73 089 227	175.44
UM600H.0025.7	7	25.00	115	90	64	73 089 257	179.01
UM600H.00254.7	7	25.40	115	90	64	73 089 267	182.58
UM600H.0028.7	7	28.00	115	90	64	73 089 287	182.58

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



Lock nut UM600H



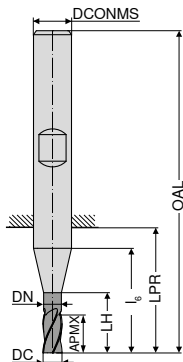
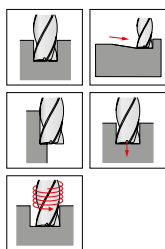
Clamping wedge UM600H

Spare parts

DCONWS		Article no.	
	£		£
4	M4 40.44	73 950 104	26.17 73 950 111
5	M5 40.44	73 950 105	26.17 73 950 111
6	M6 40.44	73 950 106	26.17 73 950 111
7	M7 40.44	73 950 107	26.17 73 950 111



Slot milling cutter HSS-E Co 8



WNT \ Performance

DC	Tol.	APMX	DN	LH		LPR	OAL	DCONMS _{h6}	ZEFP
mm		mm	mm	mm	l ₆ mm	mm	mm	mm	
1.00	h10	2.5		2.5	9	11	47	6	2
1.50	h10	3.0		3.0	9	11	47	6	2
1.80	h10	4.0		4.0	10	12	48	6	2
2.00	e8	4.0		4.0	10	12	48	6	2
2.50	e8	5.0		5.0	11	13	49	6	2
2.80	h10	5.0		5.0	11	13	49	6	2
3.00	e8	5.0		5.0	11	13	49	6	2
3.00	e8	8.0		8.0	18	20	56	6	2
3.50	h10	6.0		6.0	12	14	50	6	2
3.50	h10	10.0		10.0	21	23	59	6	2
3.80	h10	7.0		7.0	13	15	51	6	2
4.00	e8	7.0		7.0	13	15	51	6	2
4.00	e8	11.0		11.0	25	27	63	6	2
4.50	h10	7.0		7.0	13	15	51	6	2
4.50	h10	11.0		11.0	25	27	63	6	2
4.80	h10	8.0		8.0	14	16	52	6	2
5.00	e8	8.0		8.0	14	16	52	6	2
5.00	e8	13.0		13.0	30	32	68	6	2
5.50	h10	8.0		8.0	14	16	52	6	2
5.50	h10	13.0		13.0	30	32	68	6	2
5.75	h10	8.0		8.0	14	16	52	6	2
6.00	e8	8.0	5.50	14.0	14	16	52	6	2
6.00	e8	13.0	5.50	30.0	30	32	68	6	2
6.50	h10	10.0	6.00	16.0	18	20	60	10	2
6.50	h10	16.0	6.35	36.0	38	40	80	10	2
6.75	h10	10.0	6.50	16.0	18	20	60	10	2
7.00	e8	10.0	6.50	16.0	18	20	60	10	2
7.00	e8	16.0	6.35	36.0	38	40	80	10	2
7.50	h10	10.0	7.00	16.0	18	20	60	10	2
7.50	h10	16.0	7.35	36.0	38	40	80	10	2
7.75	h10	11.0	7.50	17.0	19	21	61	10	2
8.00	e8	11.0	7.50	17.0	19	21	61	10	2
8.00	e8	19.0	7.35	44.0	46	48	88	10	2
8.50	h10	11.0	8.00	18.0	19	21	61	10	2
8.50	h10	19.0	8.35	45.0	46	48	88	10	2
8.70	h10	11.0	8.50	18.0	19	21	61	10	2
9.00	h10	11.0	8.50	18.0	19	21	61	10	2
9.00	h10	19.0	8.35	45.0	46	48	88	10	2
9.50	h10	11.0	9.00	18.0	19	21	61	10	2
9.50	h10	19.0	9.35	45.0	46	48	88	10	2
9.70	h10	13.0	9.50	21.0	21	23	63	10	2
10.00	e8	13.0	9.50	21.0	21	23	63	10	2
10.00	e8	22.0	9.35	53.0	53	55	95	10	2
10.50	h10	13.0	10.00	21.0	23	25	70	12	2
10.70	h10	13.0	10.50	21.0	23	25	70	12	2
11.00	h10	13.0	10.50	21.0	23	25	70	12	2
11.00	h10	22.0	10.50	53.0	55	57	102	12	2
11.50	h10	13.0	11.00	21.0	23	25	70	12	2
11.70	h10	16.0	11.50	26.0	26	28	73	12	2
12.00	e8	16.0	11.50	26.0	26	28	73	12	2
12.00	e8	26.0	11.50	63.0	63	65	110	12	2
12.70	h10	16.0	11.50	26.0	26	28	73	12	2
13.00	h10	16.0	11.50	26.0	26	28	73	12	2
13.00	h10	26.0	11.50	63.0	63	65	110	12	2
13.70	h10	16.0	11.50	26.0	26	28	73	12	2
14.00	e8	16.0	11.50	26.0	26	28	73	12	2
14.00	e8	26.0	11.50	63.0	63	65	110	12	2
15.00	h10	16.0	11.50	26.0	26	28	73	12	2
15.00	h10	26.0	11.50	63.0	63	65	110	12	2
15.70	h10	19.0	15.00	29.0	29	31	79	16	2
16.00	e8	19.0	15.00	29.0	29	31	79	16	2
16.00	e8	32.0	15.00	73.0	73	75	123	16	2
17.00	h10	19.0	15.00	29.0	29	31	79	16	2
17.00	h10	32.0	15.00	73.0	73	75	123	16	2
17.70	h10	19.0	15.00	29.0	29	31	79	16	2
18.00	e8	19.0	15.00	29.0	29	31	79	16	2
18.00	e8	32.0	15.00	73.0	73	75	123	16	2
19.00	h10	19.0	15.00	29.0	29	31	79	16	2
19.00	h10	32.0	15.00	73.0	73	75	123	16	2
19.70	h10	22.0	19.00	36.0	36	38	88	20	2
20.00	e8	22.0	19.00	36.0	36	38	88	20	2
20.00	e8	38.0	19.00	89.0	89	91	141	20	2
21.70	h10	22.0	19.00	36.0	36	38	88	20	2
22.00	e8	22.0	19.00	36.0	36	38	88	20	2
22.00	e8	38.0	19.00	89.0	89	91	141	20	2
23.70	h10	26.0	23.00	42.0	44	46	102	25	2
24.00	e8	26.0	23.00	42.0	44	46	102	25	2
24.00	e8	45.0	23.00	106.0	108	110	166	25	2
24.70	h10	26.0	24.00	44.0	44	46	102	25	2
25.00	e8	26.0	24.00	44.0	44	46	102	25	2
25.00	e8	45.0	24.00	108.0	108	110	166	25	2
26.00	h10	26.0	24.00	44.0	44	46	102	25	2

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

1) Factory standard



DIN 327



Factory standard



Article no.			Article no.	
	£			£
54 025 010	14.93			
54 025 015	14.36			
54 025 018	18.90			
54 025 020	16.74			
54 025 025	16.74			
54 025 028	13.79			
54 025 030	13.53			
			54 020 030	26.45
54 025 035	12.66			
			54 020 035	28.42
54 025 038	17.69			
54 025 040	11.47			
			54 020 040	17.82
54 025 045	12.66			
			54 020 045	19.83
54 025 048	18.26			
54 025 050	12.91			
			54 020 050	17.82
54 025 055	13.48			
			54 020 055	19.83
54 025 057	18.26			
54 025 060	12.71			
			54 020 060	18.71
54 025 065	16.57			
			54 020 065	24.68
54 025 067	16.57			
54 025 070	16.57			
			54 020 070	23.67
54 025 075	16.62			
			54 020 075	24.68
54 025 077	26.45			
54 025 080	17.69			
			54 020 080	22.22
54 025 085	18.71			
			54 020 085	26.05
54 025 087	28.05			
54 025 090	26.50			
			54 020 090	36.32
54 025 095	27.05			
			54 020 095	35.19
54 025 097	28.03			
54 025 100	17.58			
			54 020 100	23.54
54 025 105	28.27			
54 025 107	29.97			
54 025 110	25.56			
			54 020 110	28.45
54 025 115	28.71			
54 025 117	30.36			
54 025 120	22.98			
			54 020 120	27.01
54 025 127	40.93			
54 025 130	36.58			
			54 020 130	39.55
54 025 137	34.25			
54 025 140	30.65			
			54 020 140	36.26
54 025 150	34.00			
			54 020 150	60.26
54 025 157	47.02			
54 025 160	32.99			
			54 020 160	40.16
54 025 170	52.70			
			54 020 170	76.81
54 025 177	52.51			
54 025 180	40.24			
			54 020 180	54.89
54 025 190	56.28			
			54 020 190	79.25
54 025 197	61.83			
54 025 200	48.48			
			54 020 200	55.83
54 025 217	81.22			
54 025 220	74.22			
			54 020 220	95.06
54 025 237	97.83			
54 025 240	92.47			
			54 020 240	147.60
54 025 247	94.56			
54 025 250	93.05			
			54 020 250	98.38
54 025 260	103.29			

Technical support: 0800 073 2 075

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

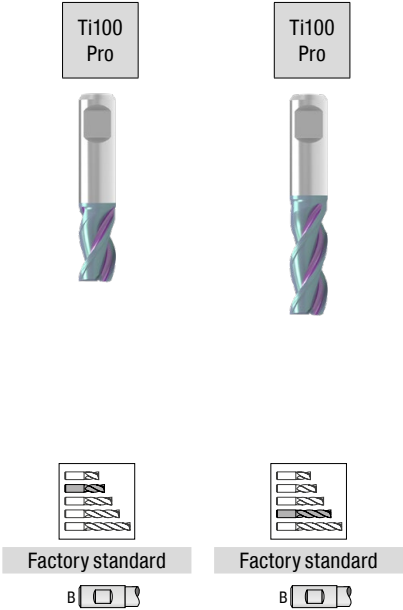
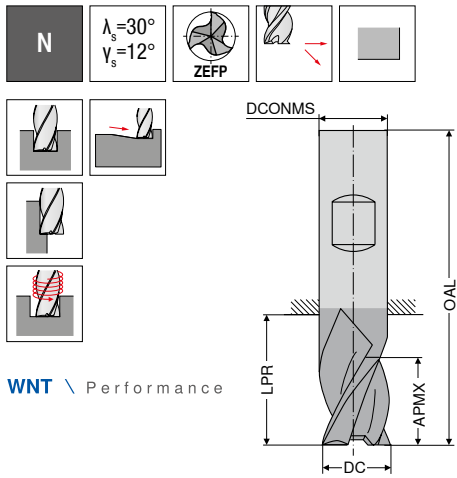


Order by 6:30 pm and get free,
guaranteed before 12 noon, next day delivery



Throw-away milling cutter, HSS-E Co 8

▲ Shank similar to DIN 1835 B



DC _{es}						Article no.		Article no.	
mm	mm	mm	mm	mm	mm				
1.00	2	8	34	6	3	54 014 010	10.11	54 042 015 ¹⁾	11.19
1.50	3	8	34	6	3	54 014 015	10.11		
1.50	4	10	35	6	3	54 014 018	10.11	54 042 020	11.19
1.80	3	8	34	6	3	54 014 020	10.11		
2.00	4	9	35	6	3	54 014 023	10.11	54 042 025	11.19
2.00	7	12	38	6	3	54 014 025	10.11		
2.30	4	9	35	6	3	54 014 028	10.11	54 042 030	11.19
2.50	5	10	36	6	3	54 014 030	10.11		
2.50	8	13	39	6	3	54 014 033	10.11	54 042 035	11.19
2.80	5	10	36	6	3	54 014 035	10.11		
3.00	5	10	36	6	3	54 014 038	10.11	54 042 040	11.19
3.00	8	13	39	6	3	54 014 040	10.11		
3.30	6	11	37	6	3	54 014 043	10.11	54 042 045	11.19
3.50	6	11	37	6	3	54 014 045	10.11		
3.50	10	15	41	6	3	54 014 048	10.11	54 042 050	11.19
3.80	7	12	38	6	3	54 014 050	10.11		
4.00	7	12	38	6	3	54 014 053	10.11	54 042 055	11.19
4.00	11	16	42	6	3	54 014 055	10.11		
4.30	7	12	38	6	3	54 014 057	10.11	54 042 060	11.19
4.50	7	12	38	6	3	54 014 060	10.11		
4.50	11	16	42	6	3	54 014 065	13.33	54 042 065	14.83
4.80	8	13	39	6	3	54 014 070	13.33		
5.00	8	13	39	6	3	54 014 075	13.33	54 042 075	14.83
5.00	13	18	44	6	3	54 014 080	13.33		
5.30	8	13	39	6	3	54 014 085	15.73	54 042 085	16.83
5.50	8	13	39	6	3	54 014 090	15.73		
5.50	13	18	44	6	3	54 014 095	15.73	54 042 095	16.83
5.75	8	13	39	6	3	54 014 100	15.73		
6.00	8	13	39	6	3			54 042 100	16.83
6.00	13	18	44	6	3				
6.50	10	14	42	8	3			54 042 100	16.83
6.50	16	20	48	8	3				
7.00	10	14	42	8	3			54 042 100	16.83
7.00	16	20	48	8	3				
7.50	10	14	42	8	3			54 042 100	16.83
7.50	16	20	48	8	3				
8.00	11	15	43	8	3			54 042 100	16.83
8.00	19	23	51	8	3				
8.50	11	16	48	10	3			54 042 100	16.83
8.50	19	24	56	10	3				
9.00	11	16	48	10	3			54 042 100	16.83
9.00	19	24	56	10	3				
9.50	11	16	48	10	3			54 042 100	16.83
9.50	19	24	56	10	3				
10.00	13	18	50	10	3			54 042 100	16.83
10.00	22	27	59	10	3				

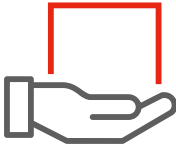
Steel	●	●
Stainless steel	●	●
Cast iron	●	●
Non ferrous metals	○	○
Heat resistant alloys	○	○
Hardened materials		

1) Shank tolerance -0,025 / -0,0323

Where is my order right now?

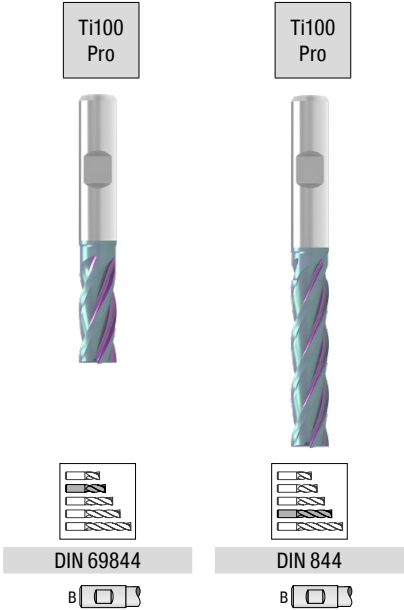
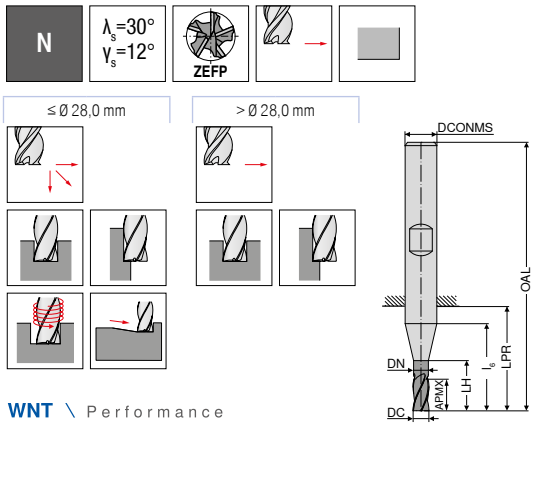
Order Delivery Tracking

For those who do not want to lose sight of their order: With the shipment number you can track the current status of your order online – no matter how your order was placed.



End milling cutter HSS-E Co 8

▲ > Ø 28,0 mm recessed centre

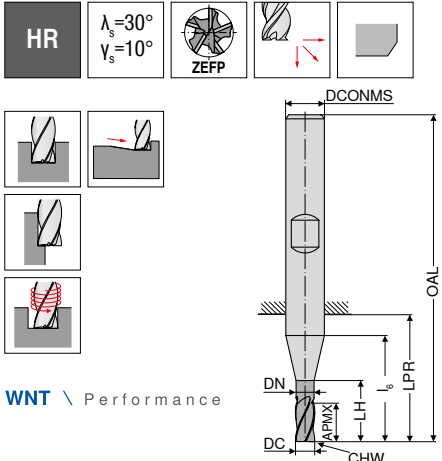


Article no.									Article no.	
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2.0	7		7	13	15	51	6	4	54 018 020	14.55
2.5	8		8	14	16	52	6	4	54 018 025	14.55
3.0	8		8	14	16	52	6	4	54 018 030	14.55
3.0	12		12	18	20	56	6	4	54 019 030	19.27
3.5	10		10	16	18	54	6	4	54 018 035	14.55
4.0	11		11	17	19	55	6	4	54 018 040	14.39
4.0	19		19	25	27	63	6	4	54 019 040	19.52
4.5	11		11	17	19	55	6	4	54 018 045	14.55
5.0	13		13	19	21	57	6	4	54 018 050	14.39
5.0	24		24	30	32	68	6	4	54 019 050	19.52
5.5	13		13	19	21	57	6	4	54 018 055	14.55
6.0	13	5.5	19	19	21	57	6	4	54 018 060	14.63
6.0	24	5.5	30	30	32	68	6	4	54 019 060	18.26
6.5	16	6.0	22	24	26	66	10	4	54 018 065	23.81
7.0	16	6.5	22	24	26	66	10	4	54 018 070	18.10
7.0	30	6.5	36	38	40	80	10	4	54 019 070	28.39
7.5	16	7.0	22	24	26	66	10	4	54 018 075	23.81
8.0	19	7.5	25	27	29	69	10	4	54 018 080	20.27
8.0	38	7.5	44	46	48	88	10	4	54 019 080	25.62
8.5	19	8.0	26	27	29	69	10	4	54 018 085	18.91
9.0	19	8.5	26	27	29	69	10	4	54 018 090	24.37
9.0	38	8.5	45	46	48	88	10	4	54 019 090	30.36
9.5	19	9.0	26	27	29	69	10	4	54 018 095	27.66
10.0	22	9.5	30	30	32	72	10	4	54 018 100	21.39
10.0	45	9.5	53	53	55	95	10	4	54 019 100	27.38
10.5	22	10.0	30	32	34	79	12	4	54 018 105	31.28
11.0	22	10.5	30	32	34	79	12	4	54 018 110	24.29
11.0	45	10.5	53	55	57	102	12	4	54 019 110	33.05
11.5	22	11.0	30	32	34	79	12	4	54 018 115	24.29
12.0	26	11.5	36	36	38	83	12	4	54 018 120	23.32
12.0	53	11.5	63	63	65	110	12	4	54 019 120	29.84
13.0	26	11.5	36	36	38	83	12	4	54 018 130	33.29
14.0	26	11.5	36	36	38	83	12	4	54 018 140	27.42
14.0	53	11.5	63	63	65	110	12	4	54 019 140	35.32
15.0	26	11.5	36	36	38	83	12	4	54 018 150	34.58
15.0	53	11.5	63	63	65	110	12	4	54 019 150	48.08
16.0	32	15.0	42	42	44	92	16	4	54 018 160	38.68
16.0	63	15.0	73	73	75	123	16	4	54 019 160	47.90
18.0	32	15.0	42	42	44	92	16	4	54 018 180	44.40
18.0	63	15.0	73	73	75	123	16	4	54 019 180	57.73
20.0	38	19.0	52	52	54	104	20	4	54 018 200	48.73
20.0	75	19.0	89	89	91	141	20	4	54 019 200	64.97
22.0	38	19.0	52	52	54	104	20	5	54 018 220	60.95
22.0	75	19.0	89	89	91	141	20	5	54 019 220	93.48
24.0	45	23.0	61	63	65	121	25	5	54 018 240	75.43
24.0	90	23.0	106	108	110	166	25	5	54 019 240	130.99
25.0	45	24.0	63	63	65	121	25	5	54 018 250	74.95
25.0	90	24.0	108	108	110	166	25	5	54 019 250	130.25
28.0	45	24.0	63	63	65	121	25	5	54 018 280	84.67
28.0	90	24.0	108	108	110	166	25	5	54 019 280	154.04
30.0	45	24.0	63	63	65	121	25	5	54 018 300	122.48
30.0	90	24.0	108	108	110	166	25	5	54 019 300	168.76
32.0	53	31.0	70	70	73	133	32	5	54 018 320	97.23
32.0	106	31.0	123	123	126	186	32	6	54 019 320	185.88
36.0	53	31.0	70	70	73	133	32	6	54 018 360	161.88
40.0	63	38.0	80	80	85	155	40	6	54 018 400	191.96
40.0	125	38.0	142	142	147	217	40	6	54 019 400	229.26
45.0	125	38.0	142	142	147	217	40	8	54 019 450	397.20
50.0	150	48.0	172	172	172	252	50	8	54 019 500	490.05

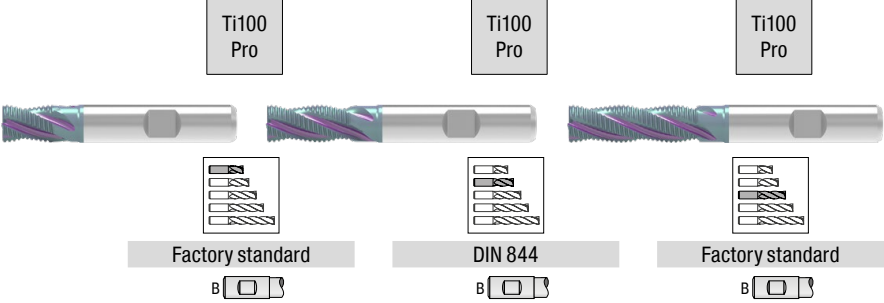
Steel	●	●
Stainless steel	●	●
Cast iron	●	●
Non ferrous metals	○	○
Heat resistant alloys	○	○
Hardened materials		



Powdersteel Fine rough milling cutter

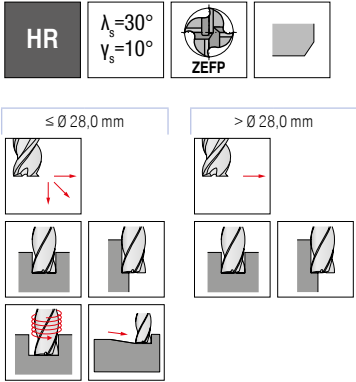


WNT \ Performance

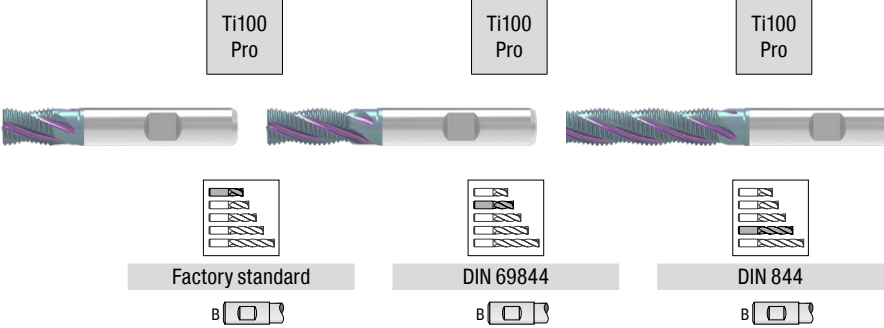


DC _{k12}	APMX	DN	LH	<i>l</i> ₆	LPR	OAL	DCONMS _{h6}	CHW	ZEFP	Article no.	£	Article no.	£	Article no.	£
6	8	5.5	14	14	16	52	6	0.35	4	54 031 060	31.79	54 032 060	23.32		
6	13	5.5	19	19	21	57	6	0.35	4	54 031 080	35.41	54 032 080	31.60	54 033 080	40.75
8	11	7.5	17	19	21	61	10	0.45	4						
8	19	7.5	25	27	29	69	10	0.45	4	54 031 100	35.95	54 032 100	32.88	54 033 100	50.17
8	28	7.5	34	36	38	78	10	0.45	4						
10	13	9.5	21	21	23	63	10	0.45	4	54 031 120	42.97	54 032 120	36.26	54 033 120	59.49
10	22	9.5	30	30	32	72	10	0.45	4						
10	34	9.5	42	42	44	84	10	0.45	4	54 031 140	55.11	54 032 140	41.33	54 033 140	75.48
12	16	11.5	26	26	28	73	12	0.60	4						
12	26	11.5	36	36	38	83	12	0.60	4	54 031 160	59.42	54 032 160	54.92	54 033 160	97.06
12	40	11.5	50	50	52	97	12	0.60	4	54 031 180	72.11	54 032 180	63.45	54 033 180	122.42
14	16	11.5	26	26	28	73	12	0.60	4						
14	26	11.5	36	36	38	83	12	0.60	4	54 031 200	80.26	54 032 200	70.53	54 033 200	147.70
14	40	11.5	50	50	52	97	12	0.60	4	54 031 220	108.47	54 032 220	113.46	54 033 220	185.21
16	19	15.0	29	29	31	79	16	0.70	4						
16	32	15.0	42	42	44	92	16	0.70	4	54 031 250	126.94	54 032 250	106.32	54 033 250	216.31
16	48	15.0	58	58	60	108	16	0.70	4						
18	19	15.0	29	29	31	79	16	0.70	4	54 031 280	176.71	54 032 300	168.71		
18	32	15.0	42	42	44	92	16	0.70	4	54 031 320	215.14	54 032 320	149.73		
18	48	15.0	58	58	60	108	16	0.70	4						
20	22	19.0	36	36	38	88	20	0.70	4						
20	38	19.0	52	52	54	104	20	0.70	4						
20	56	19.0	70	70	72	122	20	0.70	4						
22	22	19.0	36	36	38	88	20	0.70	4						
22	38	19.0	52	52	54	104	20	0.70	4						
22	56	19.0	70	70	72	122	20	0.70	4						
25	26	24.0	44	44	46	102	25	0.70	4						
25	45	24.0	63	63	65	121	25	0.70	4						
25	68	24.0	86	86	88	144	25	0.70	4						
28	26	24.0	44	44	46	102	25	0.90	5						
30	45	24.0	63	63	65	121	25	0.90	5						
32	32	31.0	49	49	52	112	32	0.90	6						
32	53	31.0	70	70	73	133	32	0.90	6						
Steel										●		●		●	
Stainless steel										●		●		●	
Cast iron										●		●		●	
Non ferrous metals										○		○		○	
Heat resistant alloys										○		○		○	
Hardened materials															

Fine profile milling cutter HSS-E Co 8



WNT \ Performance



DC _{k12}	APMX	DN	LH	<i>l</i> ₆	LPR	OAL	DCONMS _{h6}	CHW	ZEFP	Article no.	£	Article no.	£	Article no.	£
4	11		11	17	19	55	6	0.35	3			54 023 040	29.75		
5	13		13	19	21	57	6	0.35	3			54 023 050	17.86		
6	8	5.5	14	14	16	52	6	0.35	4	54 022 060	22.72	54 023 060	16.08	54 024 060	30.75
6	13	5.5	19	19	21	57	6	0.35	4						
6	24	5.5	30	30	32	68	6	0.35	4	54 022 080	26.63	54 023 080	19.47	54 024 080	42.90
8	11	7.5	17	19	21	61	10	0.45	4						
8	19	7.5	25	27	29	69	10	0.45	4	54 022 100	24.36	54 023 100	21.63	54 024 100	44.73
8	38	7.5	44	46	48	88	10	0.45	4						
10	13	9.5	21	21	23	63	10	0.45	4	54 022 120	29.09	54 023 120	23.96	54 024 120	49.10
10	22	9.5	30	30	32	72	10	0.45	4						
10	45	9.5	53	53	55	95	10	0.45	4	54 022 140	38.66	54 023 140	31.93	54 024 140	64.38
12	16	11.5	26	26	28	73	12	0.60	4						
12	26	11.5	36	36	38	83	12	0.60	4	54 022 160	39.41	54 023 160	34.66	54 024 160	71.27
12	53	11.5	63	63	65	110	12	0.60	4	54 022 180	52.20	54 023 180	45.68	54 024 180	84.12
14	16	11.5	26	26	28	73	12	0.60	4						
14	26	11.5	36	36	38	83	12	0.60	4	54 022 200	53.07	54 023 200	48.00	54 024 200	92.54
14	53	11.5	63	63	65	110	12	0.60	4						
16	19	15.0	29	29	31	79	16	0.70	4						
16	32	15.0	42	42	44	92	16	0.70	4						
16	63	15.0	73	73	75	123	16	0.70	4						
18	19	15.0	29	29	31	79	16	0.70	4						
18	32	15.0	42	42	44	92	16	0.70	4						
18	63	15.0	73	73	75	123	16	0.70	4						
20	22	19.0	36	36	38	88	20	0.70	4						
20	38	19.0	52	52	54	104	20	0.70	4						
20	75	19.0	89	89	91	141	20	0.70	4						
22	38	19.0	52	52	54	114	20	0.70	4						
22	75	19.0	89	89	91	141	20	0.70	4						
25	45	24.0	63	63	65	121	25	0.70	4						
25	90	24.0	108	108	110	166	25	0.70	4						
28	45	24.0	63	63	65	121	25	0.90	5						
28	90	24.0	108	108	110	166	25	0.90	5						
30	45	24.0	63	63	65	121	25	0.90	5						
30	90	24.0	108	108	110	166	25	0.90	5						
32	53	31.0	70	70	73	133	32	0.90	6						
32	106	31.0	123	123	126	186	32	0.90	6						
Steel										●		●		●	
Stainless steel										●		●		●	
Cast iron										●		●		●	
Non ferrous metals										○		○		○	
Heat resistant alloys										○		○		○	
Hardened materials															



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

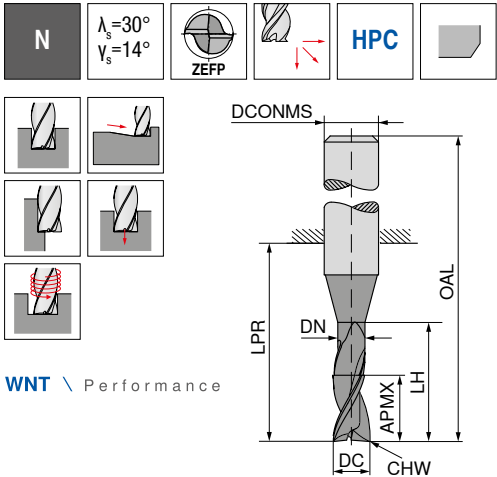
- ▲ Smoother processing
- ▲ Lower forces during chip formation
- ▲ Reduced heat generation

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



DC _{es}	APMX	DN	LH	LPR	OAL	DCONMS _{ns}	CHW	ZEFP
mm	mm	mm	mm	mm	mm	mm	mm	
3.0	8	2.8	15	21	57	6	0.1	2
3.5	11	3.3	15	21	57	6	0.1	2
4.0	11	3.8	15	21	57	6	0.1	2
4.5	13	4.3	21	21	57	6	0.1	2
5.0	13	4.8	21	21	57	6	0.1	2
5.5	13	5.3	21	21	57	6	0.1	2
6.0	13	5.8	21	21	57	6	0.1	2
7.0	16	6.8	27	27	63	8	0.1	2
8.0	19	7.8	27	27	63	8	0.1	2
9.0	19	8.8	32	32	72	10	0.1	2
10.0	22	9.8	32	32	72	10	0.1	2
11.0	26	10.8	38	38	83	12	0.1	2
12.0	26	11.8	38	38	83	12	0.1	2
14.0	26	13.8	38	38	83	14	0.1	2
15.0	32	14.7	44	44	92	16	0.1	2
16.0	32	15.7	44	44	92	16	0.1	2
17.0	32	16.7	44	44	92	18	0.1	2
18.0	32	17.7	44	44	92	18	0.1	2
19.0	38	18.7	54	54	104	20	0.1	2
20.0	38	19.7	54	54	104	20	0.1	2

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

DPB72S

DRAGONSKIN



≈DIN 6527

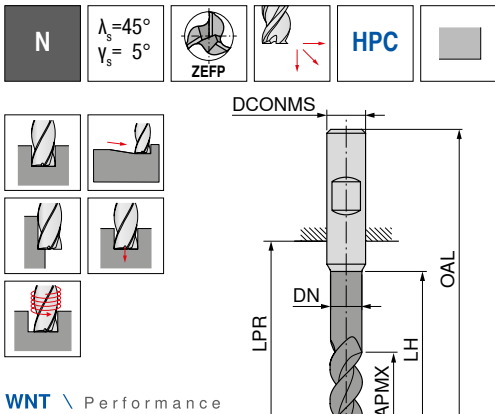
HB

NEW

Article no.

	£
50 958 03200	34.66
50 958 03700	34.66
50 958 04200	34.66
50 958 04700	34.66
50 958 05200	34.66
50 958 05700	34.66
50 958 06200	34.66
50 958 06700	40.37
50 958 07200	40.37
50 958 08200	56.18
50 958 09200	56.18
50 958 10200	81.40
50 958 11200	81.40
50 958 12200	101.47
50 958 14200	131.59
50 958 15200	131.59
50 958 16200	159.80
50 958 17200	159.80
50 958 18200	197.74
50 958 19200	197.74
50 958 20200	

SilverLine – End milling cutter



WNT \ Performance

DC _{es}	APMX	DN	LH	LPR	OAL	DCONMS _{ns}	ZEFP
mm	mm	mm	mm	mm	mm	mm	
3.0	8	2.9	15	21	57	6	3
3.5	11	3.4	16	21	57	6	3
4.0	8	3.9	15	18	54	6	3
4.0	11	3.9	16	21	57	6	3
4.0	16			26	62	6	3
4.5	13	4.4	19	21	57	6	3
5.0	9	4.9	16	18	54	6	3
5.0	13	4.9	19	21	57	6	3
5.0	17			26	62	6	3
5.5	13	5.4	19	21	57	6	3
6.0	10	5.9	17	18	54	6	3
6.0	13	5.9	19	21	57	6	3
6.0	18			26	62	6	3
6.5	19	6.3	25	27	63	8	3
7.0	19	6.8	25	27	63	8	3
7.5	19	7.3	25	27	63	8	3
8.0	12		20	22	58	8	3
8.0	19	7.8	25	27	63	8	3
8.0	24			32	68	8	3
8.5	22	8.2	30	32	72	10	3
9.0	22	8.7	30	32	72	10	3
9.5	22	9.2	30	32	72	10	3
10.0	14	9.7	24	26	66	10	3
10.0	22	9.7	30	32	72	10	3
10.0	30			40	80	10	3
12.0	16	11.7	26	28	73	12	3
12.0	26	11.7	36	38	83	12	3
12.0	36			48	93	12	3
14.0	18	13.7	28	30	75	14	3
14.0	26	13.7	36	38	83	14	3
14.0	42			54	99	14	3
16.0	22	15.5	32	34	82	16	3
16.0	32	15.5	42	44	92	16	3
16.0	48			60	108	16	3
18.0	24	17.5	34	36	84	18	3
18.0	32	17.5	42	44	92	18	3
18.0	54			66	114	18	3
20.0	26	19.5	40	42	92	20	3
20.0	38	19.5	52	54	104	20	3
20.0	60			76	126	20	3

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

DPB72S

DRAGONSKIN



Factory standard

HB

NEW

Article no.

	£
50 992 04100	40.52
50 992 05100	40.52
50 992 06100	42.13
50 992 08100	47.87
50 992 10100	75.67
50 992 12100	106.11
50 992 14100	131.04
50 992 16100	158.61
50 992 18100	218.86
50 992 20100	268.18

DPB72S

DRAGONSKIN



Factory standard

HB

NEW

Article no.

	£
50 992 03200	42.02
50 992 03700	42.02
50 992 04200	40.52
50 992 04700	42.02
50 992 05200	40.52
50 992 05700	44.09
50 992 06200	42.64
50 992 06700	51.26
50 992 07200	51.26
50 992 07700	51.26
50 992 08200	49.78
50 992 08700	85.43
50 992 09200	85.43
50 992 09700	85.43
50 992 10200	83.86
50 992 12200	113.57
50 992 14200	149.79
50 992 16200	254.16
50 992 18200	261.99
50 992 20200	305.67

DPB72S

DRAGONSKIN



Factory standard

HB

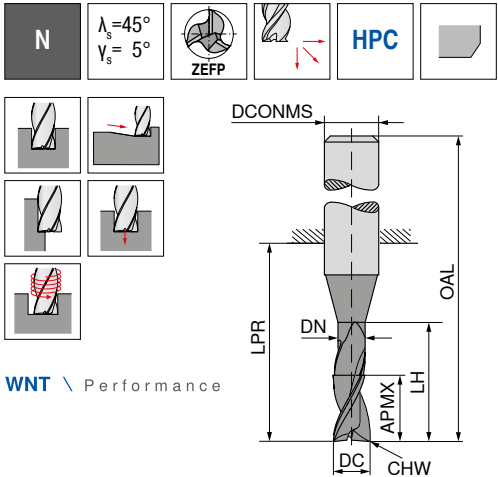
NEW

Article no.

	£
50 992 04400	42.71
50 992 05400	42.71
50 992 06400	47.38
50 992 08400	53.21
50 992 10400	94.73
50 992 12400	128.58
50 992 14400	166.53
50 992 16400	256.98
50 992 18400	331.33
50 992 20400	382.56



SilverLine – End milling cutter



DC ₁₆	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	CHW	ZEFP
mm	mm	mm	mm	mm	mm	mm	mm	
3.0	8	2.9	15	21	57	6	0.1	3
3.5	11	3.4	16	21	57	6	0.1	3
4.0	8	3.9	15	18	54	6	0.1	3
4.0	11	3.9	16	21	57	6	0.1	3
4.0	16			26	62	6	0.1	3
4.5	13	4.4	19	21	57	6	0.1	3
5.0	9	4.9	16	18	54	6	0.1	3
5.0	13	4.9	19	21	57	6	0.1	3
5.0	17			26	62	6	0.1	3
5.5	13	5.4	19	21	57	6	0.1	3
6.0	10	5.9	17	18	54	6	0.2	3
6.0	13	5.9	19	21	57	6	0.2	3
6.0	18			26	62	6	0.2	3
6.5	19	6.3	25	27	63	8	0.2	3
7.0	19	6.8	25	27	63	8	0.2	3
7.5	19	7.3	25	27	63	8	0.2	3
8.0	12	7.8	20	22	58	8	0.2	3
8.0	19	7.8	25	27	63	8	0.2	3
8.0	24			32	68	8	0.2	3
8.5	22	8.2	30	32	72	10	0.2	3
9.0	22	8.7	30	32	72	10	0.2	3
9.5	22	9.2	30	32	72	10	0.2	3
10.0	14	9.7	24	26	66	10	0.2	3
10.0	22	9.7	30	32	72	10	0.2	3
10.0	30			40	80	10	0.2	3
12.0	16	11.7	26	28	73	12	0.2	3
12.0	26	11.7	36	38	83	12	0.2	3
12.0	36			48	93	12	0.2	3
14.0	18	13.7	28	30	75	14	0.2	3
14.0	26	13.7	36	38	83	14	0.2	3
14.0	42			54	99	14	0.2	3
16.0	22	15.5	32	34	82	16	0.2	3
16.0	32	15.5	42	44	92	16	0.2	3
16.0	48			60	108	16	0.2	3
18.0	24	17.5	34	36	84	18	0.2	3
18.0	32	17.5	42	44	92	18	0.2	3
18.0	54			66	114	18	0.2	3
20.0	26	19.5	40	42	92	20	0.2	3
20.0	38	19.5	52	54	104	20	0.2	3
20.0	60			76	126	20	0.2	3

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

DC ₁₆	RE	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP
mm	mm	mm	mm	mm	mm	mm	mm	
4	0.5	8	3.9	15	18	54	6	3
4	0.5	11	3.9	16	21	57	6	3
4	0.5	16			26	62	6	3
5	0.5	9	4.9	16	18	54	6	3
5	0.5	13	4.9	19	21	57	6	3
5	0.5	17			26	62	6	3
6	0.5	10	5.9	17	18	54	6	3
6	0.5	13	5.9	19	21	57	6	3
6	0.5	18			26	62	6	3
8	1.0	12	7.8	20	22	58	8	3
8	1.0	19	7.8	25	27	63	8	3
8	1.0	24			32	68	8	3
10	1.0	14	9.7	24	26	66	10	3
10	1.0	22	9.7	30	32	72	10	3
10	1.0	30			40	80	10	3
12	1.5	16	11.7	26	28	73	12	3
12	1.5	26	11.7	36	38	83	12	3
12	1.5	36			48	93	12	3
16	2.0	22	15.5	32	34	82	16	3
16	2.0	32	15.5	42	44	92	16	3
16	2.0	48			60	108	16	3
20	2.0	26	19.5	40	42	92	20	3
20	2.0	38	19.5	52	54	104	20	3
20	2.0	60			76	126	20	3

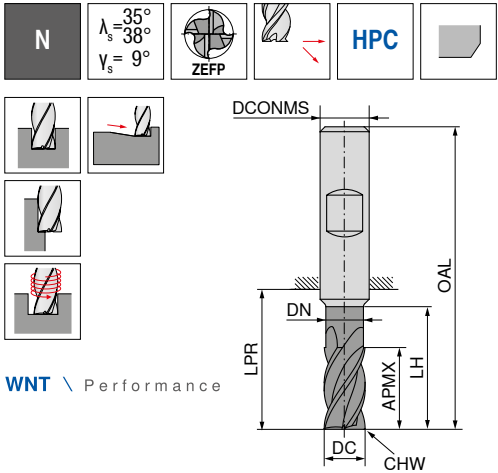
Steel	●	●	●
Stainless steel	●	●	●
Cast iron	●	●	●
Non ferrous metals	○	○	○
Heat resistant alloys	●	●	●
Hardened materials			

DPB72S DRAGONSKIN ≈DIN 6527 HB NEW Article no.	DPB72S DRAGONSKIN ≈DIN 6527 HB NEW Article no.	DPB72S DRAGONSKIN ≈DIN 6527 HB NEW Article no.	
50 966 04100	40.52	50 966 03200 42.02 50 966 03700 42.02	
		50 966 04200 40.52	
50 966 05100	40.52	50 966 04700 42.02	50 966 04400 42.71
		50 966 05200 40.52	
50 966 06100	42.13	50 966 05700 44.09	50 966 05400 42.71
		50 966 06200 42.64	
		50 966 06700 51.26 50 966 07200 51.26 50 966 07700 51.26	50 966 06400 47.38
50 966 08100	47.87	50 966 08200 49.78	
		50 966 08700 85.43 50 966 09200 85.43 50 966 09700 85.43	50 966 08400 53.21
50 966 10100	75.67	50 966 10200 83.86	
			50 966 10400 94.73
50 966 12100	106.11	50 966 12200 113.57	
50 966 14100	131.04	50 966 14200 149.79	50 966 12400 128.58
50 966 16100	158.61	50 966 16200 254.16	50 966 14400 166.53
50 966 18100	218.86	50 966 18200 261.99	50 966 16400 256.98
50 966 20100	268.18	50 966 20200 305.67	50 966 18400 331.33
			50 966 20400 382.56

		
≈DIN 6527	≈DIN 6527	≈DIN 6527
HB 	HB 	HB 
NEW	NEW	NEW
Article no.	Article no.	Article no.
£	£	£
50 967 04105	50 967 04205	50 967 04405
49.41	50.90	54.05
50 967 05105	50 967 05205	50 967 05405
49.41	50.90	54.05
50 967 06105	50 967 06205	50 967 06405
50.74	59.26	59.95
50 967 08110	50 967 08210	50 967 08410
59.68	68.09	67.37
50 967 10110	50 967 10210	50 967 10410
107.56	116.57	119.85
50 967 12115	50 967 12215	50 967 12415
148.60	158.43	162.71
50 967 16120	50 967 16220	50 967 16420
301.21	306.22	325.14
50 967 20120	50 967 20220	50 967 20420
435.89	446.36	484.03



SilverLine – End milling cutter



DC ₁₈	APMX	DN	LH	LPR	OAL	DCONMS ₁₈	α°	ZEFP
mm	mm	mm	mm	mm	mm	mm		
3	6.5	2.8	9	19	55	6	15	4
3	6.5	2.8	15	22	58	6	15	4
4	8.5	3.8	12	19	55	6	15	4
4	8.5	3.8	20	26	62	6	15	4
5	10.5	4.8	15	22	58	6	15	4
5	10.5	4.8	25	34	70	6	15	4
6	13.0	5.8	18	22	58	6	15	4
6	13.0	5.8	30	34	70	6	15	4
8	17.0	7.7	24	28	64	8	45	4
8	17.0	7.7	40	44	80	8	45	4
10	21.0	9.7	30	34	74	10	45	4
10	21.0	9.7	50	54	94	10	45	4
12	25.0	11.6	36	40	85	12	45	4
12	25.0	11.6	60	64	109	12	45	4
14	29.0	13.6	42	46	91	14	45	4
14	29.0	13.6	70	74	119	14	45	4
16	33.0	15.5	48	52	100	16	45	4
16	33.0	15.5	80	84	132	16	45	4
18	38.0	17.5	54	58	106	18	45	4
18	38.0	17.5	90	94	142	18	45	4
20	42.0	19.5	60	64	114	20	45	4
20	42.0	19.5	100	104	154	20	45	4

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

DPB72S	DPB72S	DPB72S	DPB72S
DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN
DIN 6527	DIN 6527	DIN 6527	DIN 6527
HA	HB	HA	HB
NEW	NEW	NEW	NEW
Article no.	Article no.	Article no.	Article no.
50 974 03200	50 975 03200	50 974 03400	50 975 03400
50 974 04200	50 975 04200	50 974 04400	50 975 04400
50 974 05200	50 975 05200	50 974 05400	50 975 05400
50 974 06200	50 975 06200	50 974 06400	50 975 06400
50 974 08200	50 975 08200	50 974 08400	50 975 08400
50 974 10200	50 975 10200	50 974 10400	50 975 10400
50 974 12200	50 975 12200	50 974 12400	50 975 12400
50 974 14200	50 975 14200	50 974 14400	50 975 14400
50 974 16200	50 975 16200	50 974 16400	50 975 16400
50 974 18200	50 975 18200	50 974 18400	50 975 18400
50 974 20200	50 975 20200	50 974 20400	50 975 20400

DC ₁₈	APMX	LPR	OAL	DCONMS ₁₈	CHW	ZEFP
mm	mm	mm	mm	mm	mm	
3.0	5	14	50	6	0.1	4
3.0	8	21	57	6	0.1	4
3.5	8	18	54	6	0.1	4
3.5	11	21	57	6	0.1	4
4.0	8	18	54	6	0.1	4
4.0	11	21	57	6	0.1	4
4.5	9	18	54	6	0.1	4
4.5	13	21	57	6	0.1	4
5.0	9	18	54	6	0.1	4
5.0	13	21	57	6	0.1	4
5.5	10	18	54	6	0.1	4
5.5	13	21	57	6	0.1	4
6.0	10	18	54	6	0.1	4
6.0	13	21	57	6	0.1	4
7.0	12	22	58	8	0.2	4
7.0	21	27	63	8	0.2	4
8.0	12	22	58	8	0.2	4
8.0	21	27	63	8	0.2	4
9.0	14	26	66	10	0.2	4
9.0	22	32	72	10	0.2	4
10.0	14	26	66	10	0.2	4
10.0	22	32	72	10	0.2	4
11.0	16	28	73	12	0.3	4
11.0	26	38	83	12	0.3	4
12.0	16	28	73	12	0.3	4
12.0	26	38	83	12	0.3	4
14.0	16	28	73	14	0.3	4
14.0	26	38	83	14	0.3	4
15.0	22	34	82	16	0.3	4
15.0	36	44	92	16	0.3	4
16.0	22	34	82	16	0.3	4
16.0	36	44	92	16	0.3	4
17.0	22	34	82	18	0.3	4
17.0	36	44	92	18	0.3	4
18.0	22	34	82	18	0.3	4
18.0	36	44	92	18	0.3	4
19.0	26	42	92	20	0.3	4
19.0	41	54	104	20	0.3	4
20.0	26	42	92	20	0.3	4
20.0	41	54	104	20	0.3	4

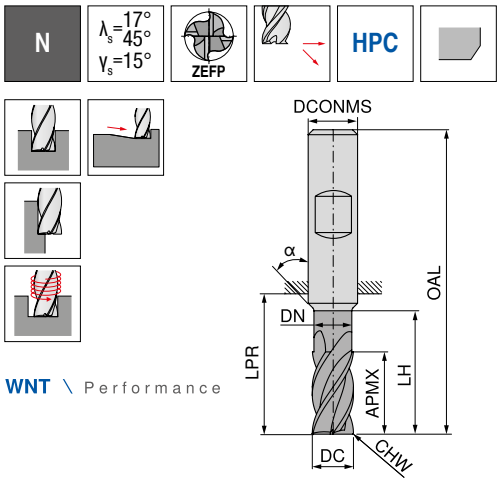
Steel	●	●	●	●
Stainless steel	●	●	●	●
Cast iron	●	●	●	●
Non ferrous metals	○	○	○	○
Heat resistant alloys	●	●	●	●
Hardened materials				

≈DIN 6527	≈DIN 6527	≈DIN 6527	≈DIN 6527
HA	HB	HA	HB
NEW	NEW	NEW	NEW
Article no.	Article no.	Article no.	Article no.
50 972 03100	50 973 03100	50 972 03200	50 973 03200
50 972 03600	50 973 03600	50 972 03700	50 973 03700
50 972 04100	50 973 04100	50 972 04200	50 973 04200
50 972 04600	50 973 04600	50 972 04700	50 973 04700
50 972 05100	50 973 05100	50 972 05200	50 973 05200
50 972 05600	50 973 05600	50 972 05700	50 973 05700
50 972 06100	50 973 06100	50 972 06200	50 973 06200
50 972 07100	50 973 07100	50 972 07200	50 973 07200
50 972 08100	50 973 08100	50 972 08200	50 973 08200
50 972 09100	50 973 09100	50 972 09200	50 973 09200
50 972 10100	50 973 10100	50 972 10200	50 973 10200
50 972 11100	50 973 11100	50 972 11200	50 973 11200
50 972 12100	50 973 12100	50 972 12200	50 973 12200
50 972 14100	50 973 14100	50 972 14200	50 973 14200
50 972 15100	50 973 15100	50 972 15200	50 973 15200
50 972 16100	50 973 16100	50 972 16200	50 973 16200
50 972 17100	50 973 17100	50 972 17200	50 973 17200
50 972 18100	50 973 18100	50 972 18200	50 973 18200
50 972 19100	50 973 19100	50 972 19200	50 973 19200
50 972 20100	50 973 20100	50 972 20200	50 973 20200



SilverLine – End milling cutter

▲ Specially for full slot milling



WNT \ Performance



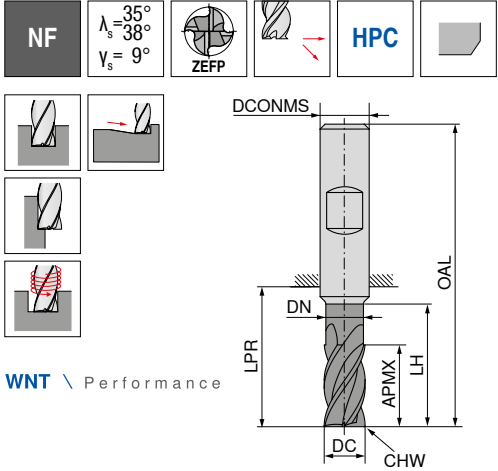
DIN 6527

DIN 6527

DC ₁₈	APMX	DN	LH	LPR	OAL	DCONMS ₁₆	CHW	ZEFP	Article no.	Article no.
mm	mm	mm	mm	mm	mm	mm	mm			
3	8	2.8	13	21	57	6	0.1	4	50 976 03200	50 977 03200
4	11	3.8	17	21	57	6	0.1	4	50 976 04200	50 977 04200
5	13	4.8	19	21	57	6	0.1	4	50 976 05200	50 977 05200
6	13	5.8	19	21	57	6	0.1	4	50 976 06200	50 977 06200
8	21	7.7	25	27	63	8	0.2	4	50 976 08200	50 977 08200
10	22	9.7	30	32	72	10	0.2	4	50 976 10200	50 977 10200
12	26	11.6	36	38	83	12	0.3	4	50 976 12200	50 977 12200
14	26	13.6	36	38	83	14	0.3	4	50 976 14200	50 977 14200
16	36	15.5	42	44	92	16	0.3	4	50 976 16200	50 977 16200
18	36	17.5	42	44	92	18	0.3	4	50 976 18200	50 977 18200
20	41	19.5	52	54	104	20	0.3	4	50 976 20200	50 977 20200

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

SilverLine – End milling cutter



WNT \ Performance



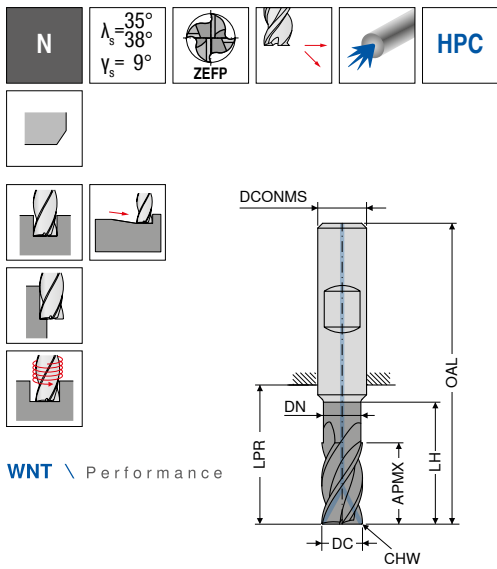
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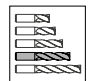
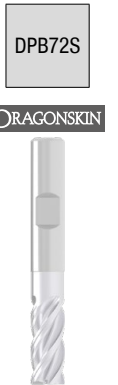
DC ₁₈	APMX	DN	LH	LPR	OAL	DCONMS ₁₆	CHW	ZEFP	Article no.	Article no.
mm	mm	mm	mm	mm	mm	mm	mm			
3.0	8	2.8	13	21	57	6	0.1	4	50 969 03200	50 970 03200
3.5	11	3.3	17	21	57	6	0.1	4	50 969 03700	50 970 03700
4.0	11	3.8	17	21	57	6	0.1	4	50 969 04200	50 970 04200
4.5	13	4.3	19	21	57	6	0.1	4	50 969 04700	50 970 04700
5.0	13	4.8	19	21	57	6	0.1	4	50 969 05200	50 970 05200
5.5	13	5.3	19	21	57	6	0.1	4	50 969 05700	50 970 05700
6.0	13	5.8	19	21	57	6	0.1	4	50 969 06200	50 970 06200
7.0	21	6.7	25	27	63	8	0.2	4	50 969 07200	50 970 07200
8.0	21	7.7	25	27	63	8	0.2	4	50 969 08200	50 970 08200
9.0	22	8.7	30	32	72	10	0.2	4	50 969 09200	50 970 09200
10.0	22	9.7	30	32	72	10	0.2	4	50 969 10200	50 970 10200
11.0	26	10.6	36	38	83	12	0.3	4	50 969 11200	50 970 11200
12.0	26	11.6	36	38	83	12	0.3	4	50 969 12200	50 970 12200
14.0	26	13.6	36	38	83	14	0.3	4	50 969 14200	50 970 14200
15.0	36	14.5	42	44	92	16	0.3	4	50 969 15200	50 970 15200
16.0	36	15.5	42	44	92	16	0.3	4	50 969 16200	50 970 16200
17.0	36	16.5	42	44	92	18	0.3	4	50 969 17200	50 970 17200
18.0	36	17.5	42	44	92	18	0.3	4	50 969 18200	50 970 18200
19.0	41	18.5	52	54	104	20	0.3	4	50 969 19200	50 970 19200
20.0	41	19.5	52	54	104	20	0.3	4	50 969 20200	50 970 20200

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

SilverLine – End milling cutter



WNT \ Performance



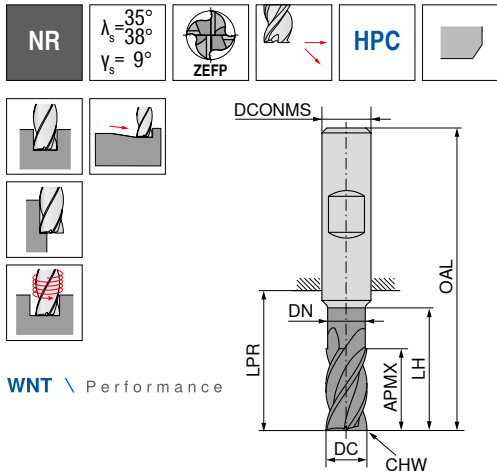
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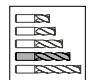
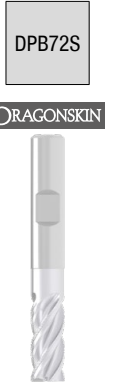
DC ₁₈	APMX	DN	LH	LPR	OAL	DCONMS ₁₆	CHW	ZEFP	Article no.	Article no.
mm	mm	mm	mm	mm	mm	mm	mm			
6	13	5.8	19	21	57	6	0.1	4	50 978 06200	50 979 06200
8	21	7.7	25	27	63	8	0.2	4	50 978 08200	50 979 08200
10	22	9.7	30	32	72	10	0.2	4	50 978 10200	50 979 10200
12	26	11.6	36	38	83	12	0.3	4	50 978 12200	50 979 12200
14	26	13.6	36	38	83	14	0.3	4	50 978 14200	50 979 14200
16	36	15.5	42	44	92	16	0.3	4	50 978 16200	50 979 16200
18	36	17.5	42	44	92	18	0.3	4	50 978 18200	50 979 18200
20	41	19.5	52	54	104	20	0.3	4	50 978 20200	50 979 20200

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

SilverLine – End milling cutter



WNT \ Performance



DIN 6527

DIN 6527

DC ₁₈	APMX	DN	LH	LPR	OAL	DCONMS ₁₆	CHW	ZEFP	Article no.	Article no.
mm	mm	mm	mm	mm	mm	mm	mm			
3.0	8	2.8	13	21	57	6	0.1	4	50 979 03200	50 980 03200
3.5	11	3.3	17	21	57	6	0.1	4	50 979 03700	50 980 03700
4.0	11	3.8	17	21	57	6	0.1	4	50 979 04200	50 980 04200
4.5	13	4.3	19	21	57	6	0.1	4	50 979 04700	50 980 04700
5.0	13	4.8	19	21	57	6	0.1	4	50 979 05200	50 980 05200
5.5	13	5.3	19	21	57	6	0.1	4	50 979 05700	50 980 05700
6.0	13	5.8	19	21	57	6	0.1	4	50 979 06200	50 980 06200
7.0	21	6.7	25	27	63	8	0.2	4	50 979 07200	50 980 07200
8.0	21	7.7	25	27	63	8	0.2	4	50 979 08200	50 980 08200
9.0	22	8.7	30	32	72	10	0.2	4	50 979 09200	50 980 09200
10.0	22	9.7	30	32	72	10	0.2	4	50 979 10200	50 980 10200
11.0	26	10.6	36	38	83	12	0.3	4	50 979 11200	50 980 11200
12.0	26	11.6	36	38	83	12	0.3	4	50 979 12200	50 980 12200
14.0	26	13.6	36	38	83	14	0.3	4	50 979 14200	50 980 14200
15.0	36	14.5	42	44	92	16	0.3	4	50 979 15200	50 980 15200
16.0	36	15.5	42	44	92	16	0.3	4	50 979 16200	50 980 16200
17.0	36	16.5	42	44	92	18	0.3	4	50 979 17200	50 980 17200
18.0	36	17.5	42	44	92	18	0.3	4	50 979 18200	50 980 18200
19.0	41	18.5	52	54	104	20	0.3	4	50 979 19200	50 980 19200
20.0	41	19.5	52	54	104	20	0.3	4	50 979 20200	50 980 20200

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

Technical support: 0800 073 2 075

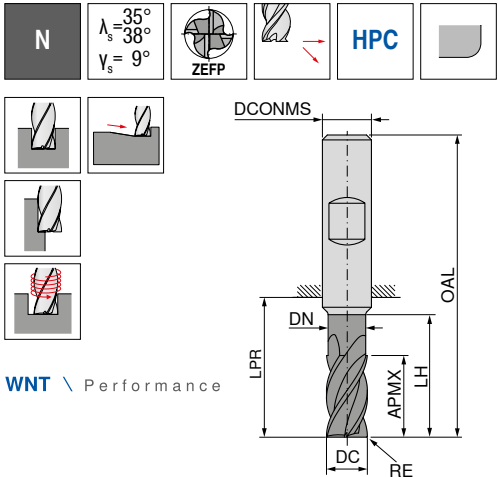
3 time served engineers, available from 8:00 am to 6:30 pm, Monday to Friday



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



SilverLine – End milling cutter with corner radius



DC ₁₈	RE _{±0.01}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP
mm	mm	mm	mm	mm	mm	mm	mm	
3	0.10	8.0	2.8	13	21	57	6	4
3	0.40	8.0	2.8	13	21	57	6	4
3	1.00	8.0	2.8	13	21	57	6	4
3	0.50	8.0	2.8	13	21	57	6	4
3	0.80	6.5	2.8	15	22	58	6	4
3	0.50	6.5	2.8	15	22	58	6	4
3	0.30	6.5	2.8	15	22	58	6	4
4	0.40	11.0	3.8	17	21	57	6	4
4	0.10	11.0	3.8	17	21	57	6	4
4	1.00	11.0	3.8	17	21	57	6	4
4	0.50	11.0	3.8	17	21	57	6	4
4	0.80	8.5	3.8	20	26	62	6	4
4	0.50	8.5	3.8	20	26	62	6	4
4	0.40	8.5	3.8	20	26	62	6	4
5	0.50	13.0	4.8	19	21	57	6	4
5	0.10	13.0	4.8	19	21	57	6	4
5	1.00	13.0	4.8	19	21	57	6	4
5	0.80	10.5	4.8	25	34	70	6	4
5	0.50	10.5	4.8	25	34	70	6	4
6	0.50	13.0	5.8	19	21	57	6	4
6	0.10	13.0	5.8	19	21	57	6	4
6	1.50	13.0	5.8	19	21	57	6	4
6	1.00	13.0	5.8	19	21	57	6	4
6	1.00	13.0	5.8	30	34	70	6	4
6	0.80	13.0	5.8	30	34	70	6	4
6	0.60	13.0	5.8	30	34	70	6	4
8	0.15	21.0	7.7	25	27	63	8	4
8	1.50	21.0	7.7	25	27	63	8	4
8	2.00	21.0	7.7	25	27	63	8	4
8	1.00	21.0	7.7	25	27	63	8	4
8	0.50	21.0	7.7	25	27	63	8	4
8	1.50	17.0	7.7	40	44	80	8	4
8	1.00	17.0	7.7	40	44	80	8	4
8	2.00	17.0	7.7	40	44	80	8	4
8	0.80	17.0	7.7	40	44	80	8	4
10	0.15	22.0	9.7	30	32	72	10	4
10	1.50	22.0	9.7	30	32	72	10	4
10	1.00	22.0	9.7	30	32	72	10	4
10	2.00	22.0	9.7	30	32	72	10	4
10	0.50	22.0	9.7	30	32	72	10	4
10	1.50	21.0	9.7	50	54	94	10	4
10	1.00	21.0	9.7	50	54	94	10	4
10	2.00	21.0	9.7	50	54	94	10	4
10	0.50	21.0	9.7	50	54	94	10	4
12	0.20	26.0	11.6	36	38	83	12	4
12	1.00	26.0	11.6	36	38	83	12	4
12	1.50	26.0	11.6	36	38	83	12	4
12	0.50	26.0	11.6	36	38	83	12	4
12	2.00	26.0	11.6	36	38	83	12	4
12	4.00	26.0	11.6	36	38	83	12	4
12	3.00	26.0	11.6	36	38	83	12	4
12	2.00	25.0	11.6	60	64	109	12	4
12	1.50	25.0	11.6	60	64	109	12	4
12	3.00	25.0	11.6	60	64	109	12	4
12	1.00	25.0	11.6	60	64	109	12	4
12	4.00	25.0	11.6	60	64	109	12	4
12	0.50	25.0	11.6	60	64	109	12	4
14	0.30	26.0	13.6	36	38	83	14	4
14	4.00	26.0	13.6	36	38	83	14	4
14	3.00	26.0	13.6	36	38	83	14	4
14	2.00	26.0	13.6	36	38	83	14	4
14	1.00	26.0	13.6	36	38	83	14	4
14	4.00	29.0	13.6	70	74	119	14	4
14	2.00	29.0	13.6	70	74	119	14	4
14	3.00	29.0	13.6	70	74	119	14	4
14	1.00	29.0	13.6	70	74	119	14	4
16	0.30	36.0	15.5	42	44	92	16	4
16	3.00	36.0	15.5	42	44	92	16	4
16	4.00	36.0	15.5	42	44	92	16	4
16	2.00	36.0	15.5	42	44	92	16	4
16	1.00	36.0	15.5	42	44	92	16	4
16	3.00	33.0	15.5	80	84	132	16	4
16	2.00	33.0	15.5	80	84	132	16	4
16	4.00	33.0	15.5	80	84	132	16	4
16	1.00	33.0	15.5	80	84	132	16	4
18	1.00	36.0	17.5	42	44	92	18	4
18	4.00	36.0	17.5	42	44	92	18	4
18	3.00	36.0	17.5	42	44	92	18	4
18	2.00	36.0	17.5	42	44	92	18	4
18	3.00	38.0	17.5	90	94	142	18	4
18	2.00	38.0	17.5	90	94	142	18	4
18	4.00	38.0	17.5	90	94	142	18	4
18	1.00	38.0	17.5	90	94	142	18	4
20	0.30	41.0	19.5	52	54	104	20	4
20	3.00	41.0	19.5	52	54	104	20	4
20	2.00	41.0	19.5	52	54	104	20	4
20	4.00	41.0	19.5	52	54	104	20	4
20	1.00	41.0	19.5	52	54	104	20	4
20	4.00	42.0	19.5	100	104	154	20	4
20	2.00	42.0	19.5	100	104	154	20	4
20	3.00	42.0	19.5	100	104	154	20	4
20	1.00	42.0	19.5	100	104	154	20	4

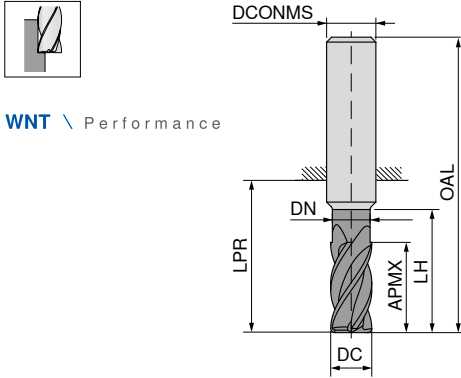
Steel	●	●	●	●
Stainless steel	●	●	●	●
Cast iron	●	●	●	●
Non ferrous metals	○	○	○	○
Heat resistant alloys	●	●	●	●
Hardened materials				

DPB72S	DPB72S	DPB72S	DPB72S
DRAGONSKIN	DRAGONSKIN	DRAGONSKIN	DRAGONSKIN
Factory standard	Factory standard	Factory standard	Factory standard
HA	HB	HA	HB
NEW	NEW	NEW	NEW
Article no.	Article no.	Article no.	Article no.
	£	£	£
50 970 03201	46.86	50 971 03201	46.86
50 970 03204	46.86	50 971 03204	46.86
50 970 03210	46.86	50 971 03210	46.86
50 970 03205	46.86	50 971 03205	46.86
50 970 04204	46.86	50 971 04204	46.86
50 970 04201	46.86	50 971 04201	46.86
50 970 04210	46.86	50 971 04210	46.86
50 970 04205	46.86	50 971 04205	46.86
50 970 05205	47.62	50 971 05205	47.62
50 970 05201	47.62	50 971 05201	47.62
50 970 05210	47.62	50 971 05210	47.62
50 970 06205	46.47	50 971 06205	46.47
50 970 06201	46.47	50 971 06201	46.47
50 970 06215	46.47	50 971 06215	46.47
50 970 06210	46.47	50 971 06210	46.47
50 970 08202	58.26	50 971 08202	58.26
50 970 08215	58.26	50 971 08215	58.26
50 970 08220	58.26	50 971 08220	58.26
50 970 08210	58.26	50 971 08210	58.26
50 970 08205	58.26	50 971 08205	58.26
50 970 10202	72.80	50 971 10202	72.80
50 970 10215	72.80	50 971 10215	72.80
50 970 10210	72.80	50 971 10210	72.80
50 970 10220	72.80	50 971 10220	72.80
50 970 10205	72.80	50 971 10205	72.80
50 970 12202	112.39	50 971 12202	112.39
50 970 12210	112.39	50 971 12210	112.39
50 970 12215	112.39	50 971 12215	112.39
50 970 12205	112.39	50 971 12205	112.39
50 970 12220	112.39	50 971 12220	112.39
50 970 12240	112.39	50 971 12240	112.39
50 970 12230	112.39	50 971 12230	112.39
50 970 14203	169.99	50 971 14203	169.99
50 970 14240	169.99	50 971 14240	169.99
50 970 14230	169.99	50 971 14230	169.99
50 970 14220	169.99	50 971 14220	169.99
50 970 14210	169.99	50 971 14210	169.99
50 970 16203	169.99	50 971 16203	169.99
50 970 16230	169.99	50 971 16230	169.99
50 970 16240	169.99	50 971 16240	169.99
50 970 16220	169.99	50 971 16220	169.99
50 970 16210	169.99	50 971 16210	169.99
50 970 18210	226.14	50 971 18210	226.14
50 970 18240	226.14	50 971 18240	226.14
50 970 18230	226.14	50 971 18230	226.14
50 970 18220	226.14	50 971 18220	226.14
50 970 20203	254.62	50 971 20203	254.62
50 970 20230	254.62	50 971 20230	254.62
50 970 20220	254.62	50 971 20220	254.62
50 970 20240	254.62	50 971 20240	254.62
50 970 20210	254.62	50 971 20210	254.62
50 970 20440	283.56	50 971 20440	283.56
50 970 20420	283.56	50 971 20420	283.56
50 970 20430	283.56	50 971 20430	283.56
50 970 20410	283.56	50 971 20410	283.56

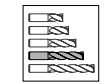


SilverLine – High Accuracy Finish Milling Cutter

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



WNT \ Performance



≈DIN 6527



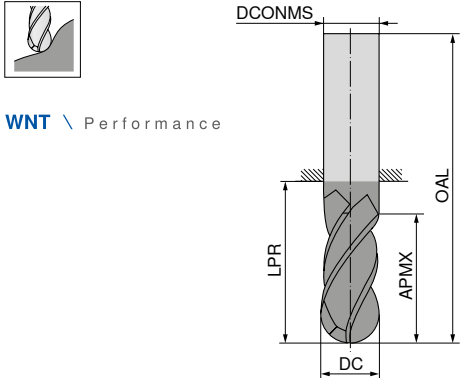
Factory standard



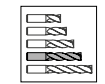
DC ₁₈	APMX	DN	LH	LPR	OAL	DCONMS ₁₈	ZEFP
mm	mm	mm	mm	mm	mm	mm	
6	13	5.6	19	21	57	6	6
6	10	5.8	18	22	58	6	6
6	13	5.8	27	31	67	6	6
6	13	5.8	36	40	76	6	6
6	15	5.6	42	44	80	6	6
8	19	7.6	25	27	63	8	8
8	13	7.7	24	28	64	8	8
8	17	7.7	36	40	76	8	8
8	17	7.7	48	53	89	8	8
8	20	7.6	62	64	100	8	8
10	22	9.6	30	32	72	10	10
10	16	9.7	30	34	74	10	10
10	21	9.7	45	49	89	10	10
10	25	9.6	58	60	100	10	10
10	21	9.7	60	64	104	10	10
12	26	11.5	36	38	83	12	12
12	19	11.6	36	40	85	12	12
12	25	11.6	54	58	103	12	12
12	30	11.5	73	75	120	12	12
12	25	11.6	72	76	121	12	12
16	32	15.0	42	44	92	16	16
16	25	15.5	48	52	100	16	16
16	33	15.5	72	76	124	16	16
16	33	15.5	96	100	148	16	16
16	40	15.0	100	102	150	16	16
20	38	19.0	52	54	104	20	20
20	32	19.5	60	64	114	20	20
20	42	19.5	90	94	144	20	20
20	50	19.0	98	100	150	20	20
20	42	19.5	120	124	174	20	20
25	40	24.5	75	80	136	25	25
25	52	24.5	113	118	174	25	25
25	52	24.5	150	154	210	25	25

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

SilverLine – Ball Nosed Cutter



WNT \ Performance



Factory standard



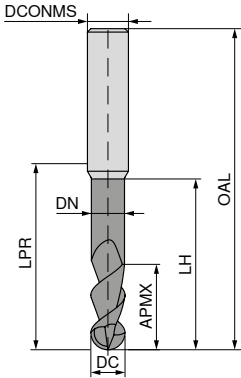
DC ₁₈	APMX	LPR	OAL	DCONMS ₁₈	ZEFP
mm	mm	mm	mm	mm	
4	11	21	57	6	4
5	13	21	57	6	4
6	13	21	57	6	4
8	19	36	72	8	4
10	22	32	72	10	4
12	26	38	83	12	4
16	32	44	92	16	4
20	38	54	104	20	4

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

SilverLine – Ball Nosed Cutter



WNT \ Performance



Factory standard



NEW

Article no.

£

50 963 03115

44.16

50 963 04120

44.16

50 963 05125

44.16

50 963 06130

44.16

50 963 07135

53.75

50 963 08140

53.75

50 963 10150

67.21

50 963 12160

97.64

50 963 14170

113.39

50 963 16180

143.87

50 963 18190

237.06

50 963 20110

237.06



Factory standard



NEW

Article no.

£

50 963 03415

59.23

50 963 04420

59.23

50 963 05425

61.61

50 963 06430

71.34

50 963 08440

83.39

50 963 10450

113.39

50 963 12460

146.24

50 963 14470

233.23

50 963 16480

314.22

50 963 18490

416.42

50 963 20410

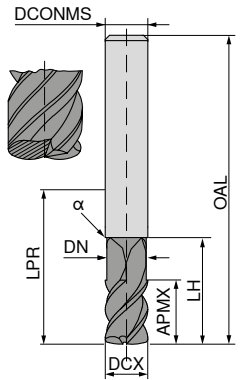
416.42

SilverLine – Torus Face Milling Cutter

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



WNT \ Performance



Factory standard



NEW

Article no.

£

50 989 06110

62.18

50 989 08110

70.46

50 989 10115

120.48

50 989 12115

157.89

50 989 16120

296.66

50 989 20120

426.79



Factory standard



NEW

Article no.

£

50 989 06410

82.17

50 989 08410

107.20

50 989 10415

176.27

50 989 12415

194.47

50 989 16420

433.71

50 989 20420

641.64

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

Technical support: 0800 073 2 075

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



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.

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.

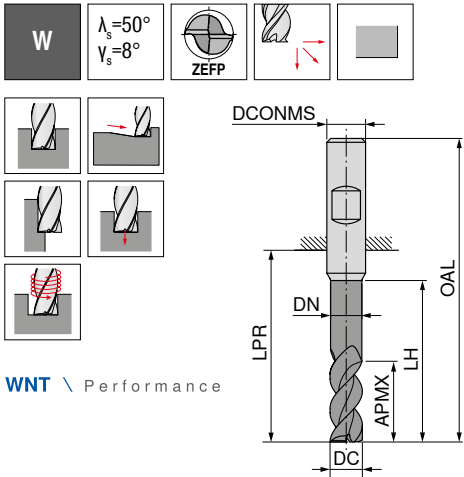
Our AluLine milling cutter impresses with its outstanding coating. It achieves first-rate results even in dry machining.

Product Manager CERATIZIT, Michael Wucher

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

AluLine – End milling cutter

▲ With polished chip flutes



DC _{h6}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP
mm	mm	mm	mm	mm	mm	mm	
5.0	10.5	4.8	15	22	58	6	2
5.5	13.0	5.3	18	22	58	6	2
6.0	13.0	5.8	18	22	58	6	2
6.5	17.0	6.2	24	28	64	8	2
7.0	17.0	6.7	24	28	64	8	2
7.5	17.0	7.2	24	28	64	8	2
8.0	17.0	7.7	24	28	64	8	2
8.5	21.0	8.2	30	34	74	10	2
9.0	21.0	8.7	30	34	74	10	2
9.5	21.0	9.2	30	34	74	10	2
10.0	21.0	9.7	30	34	74	10	2
10.5	25.0	10.1	36	40	85	12	2
11.0	25.0	10.6	36	40	85	12	2
11.5	25.0	11.1	36	40	85	12	2
12.0	25.0	11.6	36	40	85	12	2
12.5	29.0	12.1	42	46	91	14	2
13.0	29.0	12.6	42	46	91	14	2
13.5	29.0	13.1	42	46	91	14	2
14.0	29.0	13.6	42	46	91	14	2
14.5	33.0	14.0	48	52	100	16	2
15.0	33.0	14.5	48	52	100	16	2
15.5	33.0	15.0	48	52	100	16	2
16.0	33.0	15.5	48	52	100	16	2
16.5	38.0	16.0	54	58	106	18	2
17.0	38.0	16.5	54	58	106	18	2
17.5	38.0	17.0	54	58	106	18	2
18.0	38.0	17.5	54	58	106	18	2
18.5	42.0	18.0	60	64	114	20	2
19.0	42.0	18.5	60	64	114	20	2
19.5	42.0	19.0	60	64	114	20	2
20.0	42.0	19.5	60	64	114	20	2

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



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

DLC

DRAGONSKIN

DLC

DRAGONSKIN



Factory standard

HA

NEW

Article no.

£

53 623 05100	25.25
53 623 05600	30.71
53 623 06100	28.66
53 623 06600	32.75
53 623 07100	32.07
53 623 07600	31.39
53 623 08100	30.02
53 623 08600	50.50
53 623 09100	49.13
53 623 09600	47.77
53 623 10100	45.72
53 623 10600	69.60
53 623 11100	68.24
53 623 11600	66.19
53 623 12100	64.82



Factory standard

HA

NEW

Article no.

£

53 625 05100	32.07
53 625 05600	37.53
53 625 06100	36.17
53 625 06600	40.26
53 625 07100	39.58
53 625 07600	38.90
53 625 08100	38.21
53 625 08600	59.36
53 625 09100	58.00
53 625 09600	56.63
53 625 10100	55.27
53 625 10600	79.16
53 625 11100	77.79
53 625 11600	75.74
53 625 12100	77.79



Factory standard

HB

NEW

Article no.

£

53 624 05100	25.25
53 624 05600	30.71
53 624 06100	28.66
53 624 06600	32.75
53 624 07100	32.07
53 624 07600	31.39
53 624 08100	30.02
53 624 08600	50.50
53 624 09100	49.13
53 624 09600	47.77
53 624 10100	45.72
53 624 10600	69.60
53 624 11100	68.24
53 624 11600	66.19
53 624 12100	64.82
53 624 12600	93.48
53 624 13100	92.80
53 624 13600	91.44
53 624 14100	92.80
53 624 14600	126.92
53 624 15100	123.51
53 624 15600	120.78
53 624 16100	126.92
53 624 16600	164.45
53 624 17100	159.67
53 624 17600	155.58
53 624 18100	153.54
53 624 18600	203.35
53 624 19100	197.89
53 624 19600	191.74
53 624 20100	188.33



Factory standard

HB

NEW

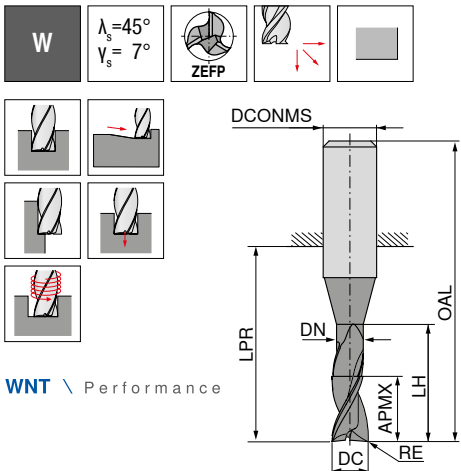
Article no.

£

53 626 05100	32.07
53 626 05600	37.53
53 626 06100	36.17
53 626 06600	40.26
53 626 07100	39.58
53 626 07600	38.90
53 626 08100	38.21
53 626 08600	59.36
53 626 09100	58.00
53 626 09600	56.63
53 626 10100	55.27
53 626 10600	79.16
53 626 11100	77.79
53 626 11600	75.74
53 626 12100	77.79
53 626 12600	106.45
53 626 13100	105.77
53 626 13600	105.09
53 626 14100	110.55
53 626 14600	144.66
53 626 15100	141.93
53 626 15600	138.52
53 626 16100	148.08
53 626 16600	185.61
53 626 17100	180.83
53 626 17600	176.05
53 626 18100	176.05
53 626 18600	225.86
53 626 19100	220.41
53 626 19600	214.95
53 626 20100	217.00

AluLine – End milling cutter

▲ With polished chip flutes



DC _{h6}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP
mm	mm	mm	mm	mm	mm	mm	
2.0	4.5	1.8	6.0	14	50	6	3
2.5	5.5	2.3	7.5	19	55	6	3
3.0	6.5	2.8	9.0	19	55	6	3
3.5	8.5	3.3	12.0	19	55	6	3
4.0	8.5	3.8	12.0	19	55	6	3
4.5	10.5	4.3	15.0	22	58	6	3
5.0	10.5	4.8	15.0	22	58	6	3
5.5	13.0	5.3	18.0	22	58	6	3
6.0	13.0	5.8	18.0	22	58	6	3
6.5	17.0	6.2	24.0	28	64	8	3
7.0	17.0	6.7	24.0	28	64	8	3
7.5	17.0	7.2	24.0	28	64	8	3
8.0	17.0	7.7	24.0	28	64	8	3
8.5	21.0	8.2	30.0	34	74	10	3
9.0	21.0	8.7	30.0	34	74	10	3
9.5	21.0	9.2	30.0	34	74	10	3
10.0	21.0	9.7	30.0	34	74	10	3
10.5	25.0	10.1	36.0	40	85	12	3
11.0	25.0	10.6	36.0	40	85	12	3
11.5	25.0	11.1	36.0	40	85	12	3
12.0	25.0	11.6	36.0	40	85	12	3
12.5	29.0	12.1	42.0	46	91	14	3
13.0	29.0	12.6	42.0	46	91	14	3
13.5	29.0	13.1	42.0	46	91	14	3
14.0	29.0	13.6	42.0	46	91	14	3
14.5	33.0	14.0	48.0	52	100	16	3
15.0	33.0	14.5	48.0	52	100	16	3
15.5	33.0	15.0	48.0	52	100	16	3
16.0	33.0	15.5	48.0	52	100	16	3
16.5	38.0	16.0	54.0	58	106	18	3
17.0	38.0	16.5	54.0	58	106	18	3
17.5	38.0	17.0	54.0	58	106	18	3
18.0	38.0	17.5	54.0	58	106	18	3
18.5	42.0	18.0	60.0	64	114	20	3
19.0	42.0	18.5	60.0	64	114	20	3
19.5	42.0	19.0	60.0	64	114	20	3
20.0	42.0	19.5	60.0	64	114	20	3

DC _{h10/h6}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP
mm	mm	mm	mm	mm	mm	mm	
2.0	5.5	1.8	10.0	19	55	6	3
2.5	6.5	2.3	12.5	22	58	6	3
3.0	8.0	2.8	15.0	22	58	6	3
3.5	10.5	3.3	20.0	26	62	6	3
4.0	10.5	3.8	20.0	26	62	6	3
4.5	13.0	4.3	25.0	34	70	6	3
5.0	13.0	4.8	25.0	34	70	6	3
5.5	16.0	5.3	30.0	34	70	6	3
6.0	16.0	5.8	30.0	34	70	6	3
6.5	21.0	6.2	40.0	44	80	8	3
7.0	21.0	6.7	40.0	44	80	8	3
7.5	21.0	7.2	40.0	44	80	8	3
8.0	21.0	7.7	40.0	44	80	8	3
8.5	26.0	8.2	50.0	54	94	10	3
9.0	26.0	8.7	50.0	54	94	10	3
9.5	26.0	9.2	50.0	54	94	10	3
10.0	26.0	9.7	50.0	54	94	10	3
10.5	31.0	10.1	60.0	64	109	12	3
11.0	31.0	10.6	60.0	64	109	12	3
11.5	31.0	11.1	60.0	64	109	12	3
12.0	31.0	11.6	60.0	64	109	12	3
12.5	36.0	12.1	70.0	74	119	14	3
13.0	36.0	12.6	70.0	74	119	14	3
13.5	36.0	13.1	70.0	74	119	14	3
14.0	36.0	13.6	70.0	74	119	14	3
14.5	41.0	14.0	80.0	84	132	16	3
15.0	41.0	14.5	80.0	84	132	16	3
15.5	41.0	15.0	80.0	84	132	16	3
16.0	41.0	15.5	80.0	84	132	16	3
16.5	47.0	16.0	90.0	94	142	18	3
17.0	47.0	16.5	90.0	94	142	18	3
17.5	47.0	17.0	90.0	94	142	18	3
18.0	47.0	17.5	90.0	94	142	18	3
18.5	52.0	18.0	100.0	104	154	20	3
19.0	52.0	18.5	100.0	104	154	20	3
19.5	52.0	19.0	100.0	104	154	20	3
20.0	52.0	19.5	100.0	104	154	20	3

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

Technical support: 0800 073 2 075
3 time served engineers, available from 8:00 am to 6:30 pm, Monday to Friday

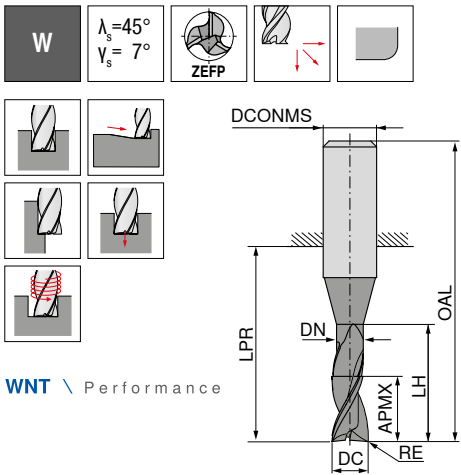


Order by 6:30 pm and get free,
guaranteed before 12 noon, next day delivery



AluLine – End milling cutter with corner radius

▲ With polished chip flutes



DC _{h6}	RE _{±0,05}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP
mm	mm	mm	mm	mm	mm	mm	mm	
2	0.5	4.5	1.8	6	14	50	6	3
2	0.3	4.5	1.8	6	14	50	6	3
3	1.0	6.5	2.7	9	19	55	6	3
3	0.5	6.5	2.7	9	19	55	6	3
3	0.3	6.5	2.7	9	19	55	6	3
4	0.3	8.5	3.7	12	19	55	6	3
4	1.0	8.5	3.7	12	19	55	6	3
4	0.5	8.5	3.7	12	19	55	6	3
5	1.0	10.5	4.7	15	22	58	6	3
5	0.5	10.5	4.7	15	22	58	6	3
5	0.3	10.5	4.7	15	22	58	6	3
6	1.5	13.0	5.7	18	22	58	6	3
6	0.5	13.0	5.7	18	22	58	6	3
6	1.0	13.0	5.7	18	22	58	6	3
6	0.3	13.0	5.7	18	22	58	6	3
8	0.5	17.0	7.4	24	28	64	8	3
8	1.5	17.0	7.4	24	28	64	8	3
8	1.0	17.0	7.4	24	28	64	8	3
8	2.0	17.0	7.4	24	28	64	8	3
8	0.3	17.0	7.4	24	28	64	8	3
10	1.5	21.0	9.2	30	34	74	10	3
10	1.0	21.0	9.2	30	34	74	10	3
10	2.0	21.0	9.2	30	34	74	10	3
10	0.5	21.0	9.2	30	34	74	10	3
10	3.0	21.0	9.2	30	34	74	10	3
10	0.3	21.0	9.2	30	34	74	10	3
12	0.5	25.0	11.0	36	40	85	12	3
12	2.0	25.0	11.0	36	40	85	12	3
12	1.5	25.0	11.0	36	40	85	12	3
12	3.0	25.0	11.0	36	40	85	12	3
12	1.0	25.0	11.0	36	40	85	12	3
12	4.0	25.0	11.0	36	40	85	12	3
12	0.3	25.0	11.0	36	40	85	12	3
16	0.3	33.0	15.0	48	52	100	16	3
16	2.0	33.0	15.0	48	52	100	16	3
16	1.5	33.0	15.0	48	52	100	16	3
16	3.0	33.0	15.0	48	52	100	16	3
16	1.0	33.0	15.0	48	52	100	16	3
16	4.0	33.0	15.0	48	52	100	16	3
16	0.5	33.0	15.0	48	52	100	16	3
20	0.5	42.0	19.0	60	64	114	20	3
20	2.0	42.0	19.0	60	64	114	20	3
20	3.0	42.0	19.0	60	64	114	20	3
20	1.5	42.0	19.0	60	64	114	20	3
20	4.0	42.0	19.0	60	64	114	20	3
20	1.0	42.0	19.0	60	64	114	20	3

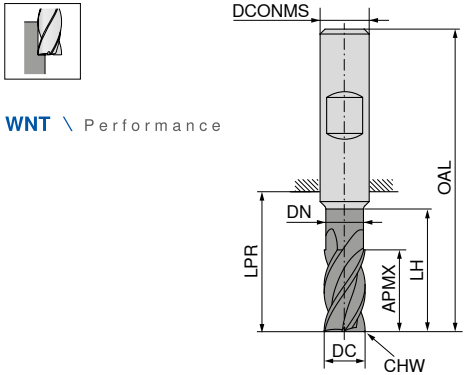
Steel			
Stainless steel			
Cast iron			
Non ferrous metals	•	•	•
Heat resistant alloys			
Hardened materials			

Factory standard	Factory standard	Factory standard	Factory standard
HA	HA	HB	HB
NEW	NEW	NEW	NEW
Article no.	Article no.	Article no.	Article no.
£	£	£	£
53 708 02105	53 710 02105	53 709 02105	53 711 02105
53 708 02103	53 710 02103	53 709 02103	53 711 02103
53 708 03110	53 710 03110	53 709 03110	53 711 03110
53 708 03105	53 710 03105	53 709 03105	53 711 03105
53 708 03103	53 710 03103	53 709 03103	53 711 03103
53 708 04103	53 710 04103	53 709 04103	53 711 04103
53 708 04110	53 710 04110	53 709 04110	53 711 04110
53 708 04105	53 710 04105	53 709 04105	53 711 04105
53 708 05110	53 710 05110	53 709 05110	53 711 05110
53 708 05105	53 710 05105	53 709 05105	53 711 05105
53 708 05103	53 710 05103	53 709 05103	53 711 05103
53 708 06115	53 710 06115	53 709 06115	53 711 06115
53 708 06105	53 710 06105	53 709 06105	53 711 06105
53 708 06110	53 710 06110	53 709 06110	53 711 06110
53 708 06103	53 710 06103	53 709 06103	53 711 06103
53 708 08105	53 710 08105	53 709 08105	53 711 08105
53 708 08115	53 710 08115	53 709 08115	53 711 08115
53 708 08110	53 710 08110	53 709 08110	53 711 08110
53 708 08120	53 710 08120	53 709 08120	53 711 08120
53 708 08103	53 710 08103	53 709 08103	53 711 08103
53 708 10115	53 710 10115	53 709 10115	53 711 10115
53 708 10110	53 710 10110	53 709 10110	53 711 10110
53 708 10120	53 710 10120	53 709 10120	53 711 10120
53 708 10105	53 710 10105	53 709 10105	53 711 10105
53 708 10130	53 710 10130	53 709 10130	53 711 10130
53 708 10103	53 710 10103	53 709 10103	53 711 10103
53 708 12105	53 710 12105	53 709 12105	53 711 12105
53 708 12120	53 710 12120	53 709 12120	53 711 12120
53 708 12115	53 710 12115	53 709 12115	53 711 12115
53 708 12130	53 710 12130	53 709 12130	53 711 12130
53 708 12110	53 710 12110	53 709 12110	53 711 12110
53 708 12140	53 710 12140	53 709 12140	53 711 12140
53 708 12103	53 710 12103	53 709 12103	53 711 12103
		53 709 16103	53 711 16103
		53 709 16120	53 711 16120
		53 709 16115	53 711 16115
		53 709 16130	53 711 16130
		53 709 16110	53 711 16110
		53 709 16140	53 711 16140
		53 709 16105	53 711 16105
		53 709 20105	53 711 20105
		53 709 20120	53 711 20120
		53 709 20130	53 711 20130
		53 709 20115	53 711 20115
		53 709 20140	53 711 20140
		53 709 20110	53 711 20110



CircularLine – End milling cutter

- ▲ Chip breaker 0,9 x DC
- ▲ 53 587 ... Cutting depth: 3 x DC
- ▲ 53 585 ... Cutting depth: 2 x DC



WNT \ Performance

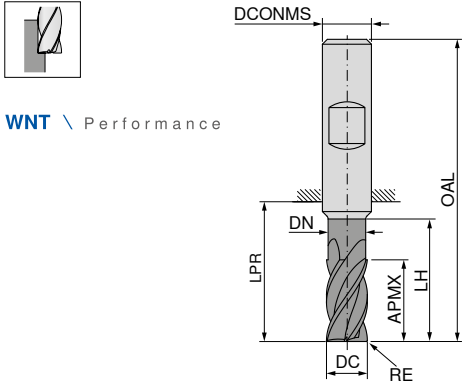


DC _{es}	OAL	APMX	DN	LH	LPR	DCONMS _{h6}	CHW	ZEFP	Article no.	£	Article no.	£
mm	mm	mm	mm	mm	mm	mm	mm					
6	57	13	5.8	19	21	6	0.2	6	53 585 060	34.89	53 587 060	34.20
6	63	19	5.8	25	27	6	0.2	6			53 587 080	44.38
8	71	25	7.7	33	35	8	0.2	6	53 585 080	45.49		
8	63	21	7.7	25	27	8	0.2	6			53 587 100	62.56
10	83	31	9.7	41	43	10	0.2	6	53 585 100	58.45		
10	72	22	9.7	30	32	10	0.2	6			53 587 120	73.48
12	94	37	11.6	47	49	12	0.2	6	53 585 120	75.17		
12	83	26	11.6	36	38	12	0.2	6			53 587 160	152.04
16	111	49	15.5	61	63	16	0.2	6	53 585 160	149.94		
16	92	36	15.5	42	44	16	0.2	6			53 587 200	213.15
20	127	61	19.5	75	77	20	0.2	6	53 585 200	215.57		
20	104	41	19.5	52	54	20	0.2	6				

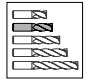
Steel	●	●
Stainless steel	○	○
Cast iron	●	●
Non ferrous metals		
Heat resistant alloys	○	○
Hardened materials		

CircularLine – End milling cutter

- ▲ Chip breaker 0,9 x DC
- ▲ Cutting depth: 2 x DC



WNT \ Performance

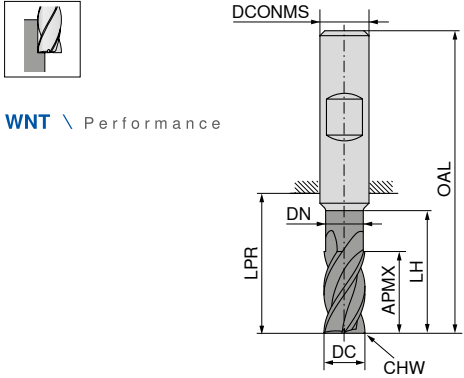


DC _{es}	OAL	RE _{±0.05}	APMX	DN	LH	LPR	DCONMS _{h6}	ZEFP	Article no.	£
mm	mm	mm	mm	mm	mm	mm	mm			
6	57	1.0	13	5.8	19	21	6	6	53 586 06010	35.07
6	57	1.5	13	5.8	19	21	6	6	53 586 06015	35.07
6	57	0.2	13	5.8	19	21	6	6	53 586 06002	34.89
8	63	1.5	21	7.7	25	27	8	6	53 586 08015	46.58
8	63	1.0	21	7.7	25	27	8	6	53 586 08010	46.58
8	63	2.0	21	7.7	25	27	8	6	53 586 08020	46.58
8	63	0.2	21	7.7	25	27	8	6	53 586 08002	45.49
10	72	1.0	22	9.7	30	32	10	6	53 586 10010	60.05
10	72	1.6	22	9.7	30	32	10	6	53 586 10016	60.05
10	72	1.5	22	9.7	30	32	10	6	53 586 10015	60.05
10	72	2.0	22	9.7	30	32	10	6	53 586 10020	60.05
10	72	0.2	22	9.7	30	32	10	6	53 586 10002	58.45
12	83	1.5	26	11.6	36	38	12	6	53 586 12015	75.51
12	83	1.6	26	11.6	36	38	12	6	53 586 12016	75.51
12	83	2.0	26	11.6	36	38	12	6	53 586 12020	75.51
12	83	1.0	26	11.6	36	38	12	6	53 586 12010	75.51
12	83	3.0	26	11.6	36	38	12	6	53 586 12030	75.51
12	83	0.2	26	11.6	36	38	12	6	53 586 12002	75.17
16	92	1.6	36	15.5	42	44	16	6	53 586 16016	156.24
16	92	4.0	36	15.5	42	44	16	6	53 586 16040	156.24
16	92	1.5	36	15.5	42	44	16	6	53 586 16015	156.24
16	92	2.0	36	15.5	42	44	16	6	53 586 16020	156.24
16	92	1.0	36	15.5	42	44	16	6	53 586 16010	161.66
16	92	3.0	36	15.5	42	44	16	6	53 586 16030	156.24
16	92	0.2	36	15.5	42	44	16	6	53 586 16002	149.94
20	104	1.0	41	19.5	52	54	20	6	53 586 20010	217.74
20	104	2.0	41	19.5	52	54	20	6	53 586 20020	217.74
20	104	1.6	41	19.5	52	54	20	6	53 586 20016	217.74
20	104	3.0	41	19.5	52	54	20	6	53 586 20030	217.74
20	104	1.5	41	19.5	52	54	20	6	53 586 20015	217.74
20	104	4.0	41	19.5	52	54	20	6	53 586 20040	217.74
20	104	0.2	41	19.5	52	54	20	6	53 586 20002	215.57

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



WNT \ Performance

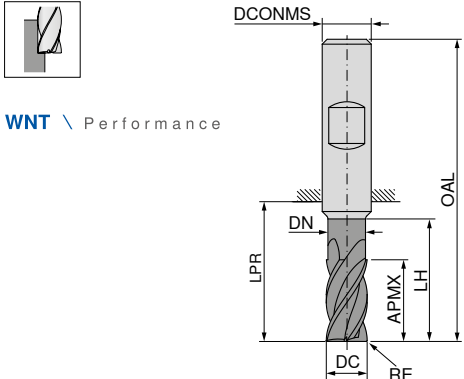


DC _{es}	OAL	APMX	DN	LH	LPR	DCONMS _{h6}	CHW	ZEFP	Article no.	£
mm	mm	mm	mm	mm	mm	mm	mm			
6	67	25	5.8	29	31	6	0.2	5	53 589 060	35.65
8	76	33	7.7	38	40	8	0.2	5	53 589 080	45.84
10	89	41	9.7	47	49	10	0.2	5	53 589 100	63.29
12	102	49	11.6	55	57	12	0.2	5	53 589 120	77.11
16	123	65	15.5	73	75	16	0.2	5	53 589 160	154.95
20	143	82	19.5	91	93	20	0.2	5	53 589 200	218.24

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

CircularLine – End milling cutter

- ▲ Chip breaker 0.9 x DC



WNT \ Performance



DC _{es}	OAL	RE _{±0.05}	APMX	DN	LH	LPR	DCONMS _{h6}	ZEFP	Article no.	£
mm	mm	mm	mm	mm	mm	mm	mm			
6	67	1.5	25	5.8	29	31	6	5	53 593 06015	36.37
6	67	0.2	25	5.8	29	31	6	5	53 593 06002	35.65
6	67	1.0	25	5.8	29	31	6	5	53 593 06010	36.37
8	76	1.5	33	7.7	38	40	8	5	53 593 08015	46.56
8	76	2.0	33	7.7	38	40	8	5	53 593 08020	46.56
8	76	0.2	33	7.7	38	40	8	5	53 593 08002	45.84
8	76	1.0	33	7.7	38	40	8	5	53 593 08010	46.56
10	89	1.5	41	9.7	47	49	10	5	53 593 10015	64.75
10	89	2.0	41	9.7	47	49	10	5	53 593 10020	64.75
10	89	1.6	41	9.7	47	49	10	5	53 593 10016	64.75
10	89	0.2	41	9.7	47	49	10	5	53 593 10002	63.29
10	89	1.0	41	9.7	47	49	10	5	53 593 10010	64.75
12	102	1.0	49	11.6	55	57	12	5	53 593 12010	79.29
12	102	2.0	49	11.6	55	57	12	5	53 593 12020	79.29
12	102	3.0	49	11.6	55	57	12	5	53 593 12030	79.29
12	102	1.6	49	11.6	55	57	12	5	53 593 12016	79.29
12	102	0.2	49	11.6	55	57	12	5	53 593 12002	77.11
12	102	1.5	49	11.6	55	57	12	5	53 593 12015	79.29
16	123	1.6	65	15.5	73	75	16	5	53 593 16016	157.86
16	123	3.0	65	15.5	73	75	16	5	53 593 16030	157.86
16	123	2.0	65	15.5	73	75	16	5	53 593 16020	157.86
16	123	4.0	65	15.5	73	75	16	5	53 593 16040	157.86
16	123	1.5	65	15.5	73	75	16	5	53 593 16015	157.86
16	123	0.2	65	15.5	73	75	16	5	53 593 16002	154.95
16	123	1.0	65	15.5	73	75	16	5	53 593 16010	157.86
20	143	1.5	82	19.5	91	93	20	5	53 593 20015	221.87
20	143	3.0	82	19.5	91	93	20	5	53 593 20030	221.87
20	143	2.0	82	19.5	91	93	20	5	53 593 20020	221.87
20	143	4.0	82	19.5	91	93	20	5	53 593 20040	221.87
20	143	1.6	82	19.5	91	93	20	5	53 593 20016	221.87
20	143	0.2	82	19.5	91	93	20	5	53 593 20002	218.24
20	143	1.0	82	19.5	91	93	20	5	53 593 20010	221.87

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

Technical support: 0800 073 2 075

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

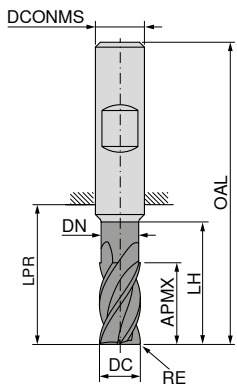


CircularLine – End milling cutter

▲ Chip breaker 1.8 x DC



WNT \ Performance



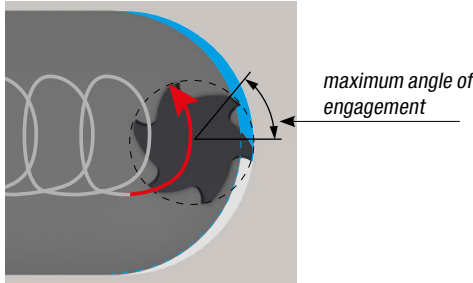
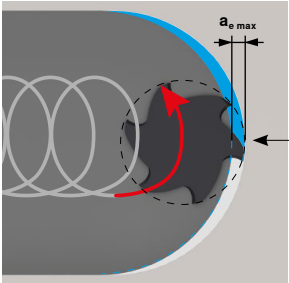
Factory standard
HB

DC _{e8}	RE _{±0,05}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	ZEFP	Article no.	
mm	mm	mm	mm	mm	mm	mm	mm		£	
6	0.2	19	5.8	25	27	63	6	6	53 592 06002	34.20
6	1.0	19	5.8	25	27	63	6	6	53 592 06010	34.92
6	1.5	19	5.8	25	27	63	6	6	53 592 06015	34.92
8	0.2	25	7.7	33	35	71	8	6	53 592 08002	44.38
8	1.0	25	7.7	33	35	71	8	6	53 592 08010	45.84
8	1.5	25	7.7	33	35	71	8	6	53 592 08015	45.84
8	2.0	25	7.7	33	35	71	8	6	53 592 08020	45.84
10	0.2	31	9.7	41	43	83	10	6	53 592 10002	62.56
10	1.0	31	9.7	41	43	83	10	6	53 592 10010	64.01
10	1.5	31	9.7	41	43	83	10	6	53 592 10015	64.01
10	1.6	31	9.7	41	43	83	10	6	53 592 10016	64.01
10	2.0	31	9.7	41	43	83	10	6	53 592 10020	64.01
12	0.2	37	11.6	47	49	94	12	6	53 592 12002	73.48
12	1.0	37	11.6	47	49	94	12	6	53 592 12010	75.65
12	1.5	37	11.6	47	49	94	12	6	53 592 12015	75.65
12	1.6	37	11.6	47	49	94	12	6	53 592 12016	75.65
12	2.0	37	11.6	47	49	94	12	6	53 592 12020	75.65
12	3.0	37	11.6	47	49	94	12	6	53 592 12030	75.65
16	0.2	49	15.5	61	63	111	16	6	53 592 16002	152.04
16	1.0	49	15.5	61	63	111	16	6	53 592 16010	153.49
16	1.5	49	15.5	61	63	111	16	6	53 592 16015	153.49
16	1.6	49	15.5	61	63	111	16	6	53 592 16016	153.49
16	2.0	49	15.5	61	63	111	16	6	53 592 16020	153.49
16	3.0	49	15.5	61	63	111	16	6	53 592 16030	153.49
16	4.0	49	15.5	61	63	111	16	6	53 592 16040	153.49
20	0.2	61	19.5	75	77	127	20	6	53 592 20002	213.15
20	1.0	61	19.5	75	77	127	20	6	53 592 20010	215.32
20	1.5	61	19.5	75	77	127	20	6	53 592 20015	215.32
20	1.6	61	19.5	75	77	127	20	6	53 592 20016	215.32
20	2.0	61	19.5	75	77	127	20	6	53 592 20020	215.32
20	3.0	61	19.5	75	77	127	20	6	53 592 20030	215.32
20	4.0	61	19.5	75	77	127	20	6	53 592 20040	215.32

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

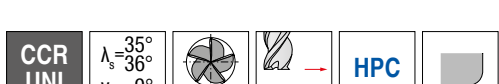
$$h_m \approx f_z \sqrt{\frac{a_e}{DC}}$$

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

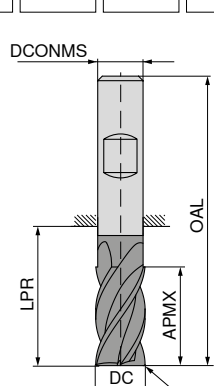
$a_{e\max}$ = maximum lateral infeed (depending on the material to be machined)
 f_z = maximum feed per tooth
 h_m = average chip thickness
 DC = tool diameter

CircularLine – End milling cutter

▲ Chip breaker 0.9 x DC



WNT \ Performance



Factory standard
HB

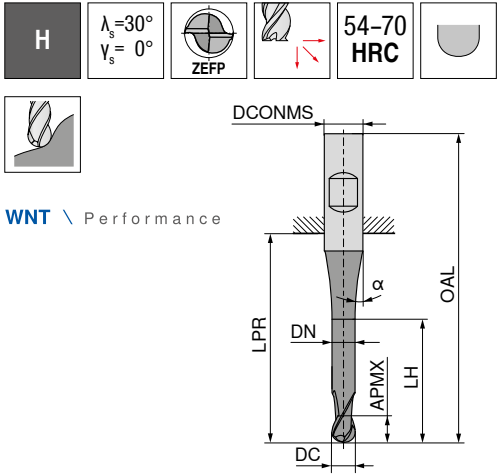
DC _{e8}	RE _{±0,05}	APMX	LPR	OAL	DCONMS _{h6}	ZEFP	Article no.	
mm	mm	mm	mm	mm	mm		£	
6	0.2	31	39	75	6	5	53 593 06402	51.80
6	1.0	31	39	75	6	5	53 593 06410	51.80
6	1.5	31	39	75	6	5	53 593 06415	51.80
8	0.2	41	49	85	8	5	53 593 08402	59.71
8	1.0	41	49	85	8	5	53 593 08410	59.71
8	1.5	41	49	85	8	5	53 593 08415	59.71
8	2.0	41	49	85	8	5	53 593 08420	59.71
10	0.2	51	60	100	10	5	53 593 10402	82.44
10	1.0	51	60	100	10	5	53 593 10410	82.44
10	1.5	51	60	100	10	5	53 593 10415	82.44
10	1.6	51	60	100	10	5	53 593 10416	82.44
10	2.0	51	60	100	10	5	53 593 10420	82.44
12	0.2	61	70	115	12	5	53 593 12402	102.19
12	1.0	61	70	115	12	5	53 593 12410	102.19
12	1.5	61	70	115	12	5	53 593 12415	102.19
12	1.6	61	70	115	12	5	53 593 12416	102.19
12	2.0	61	70	115	12	5	53 593 12420	102.19
12	3.0	61	70	115	12	5	53 593 12430	102.19
14	0.2	71	81	126	14	5	53 593 14402	102.19
14	1.0	71	81	126	14	5	53 593 14410	209.90
14	1.5	71	81	126	14	5	53 593 14415	209.90
14	1.6	71	81	126	14	5	53 593 14416	209.90
14	2.0	71	81	126	14	5	53 593 14420	209.90
14	3.0	71	81	126	14	5	53 593 14430	209.90
16	0.2	81	92	140	16	5	53 593 16402	207.66
16	1.0	81	92	140	16	5	53 593 16410	207.66
16	1.5	81	92	140	16	5	53 593 16415	207.66
16	1.6	81	92	140	16	5	53 593 16416	207.66
16	2.0	81	92	140	16	5	53 593 16420	207.66
16	3.0	81	92	140	16	5	53 593 16430	207.66
16	4.0	81	92	140	16	5	53 593 16440	207.66
18	0.2	91	102	150	18	5	53 593 18402	237.48
18	1.0	91	102	150	18	5	53 593 18410	237.48
18	1.5	91	102	150	18	5	53 593 18415	237.48
18	1.6	91	102	150	18	5	53 593 18416	237.48
18	2.0	91	102	150	18	5	53 593 18420	237.48
18	3.0	91	102	150	18	5	53 593 18430	237.48
18	4.0	91	102	150	18	5	53 593 18440	237.48
20	0.2	102	113	163	20	5	53 593 20402	286.75
20	1.0	102	113	163	20	5	53 593 20410	286.75
20	1.5	102	113	163	20	5	53 593 20415	286.75
20	1.6	102	113	163	20	5	53 593 20416	286.75
20	2.0	102	113	163	20	5	53 593 20420	286.75
20	3.0	102	113	163	20	5	53 593 20430	286.75
20	4.0	102	113	163	20	5	53 593 20440	286.75

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

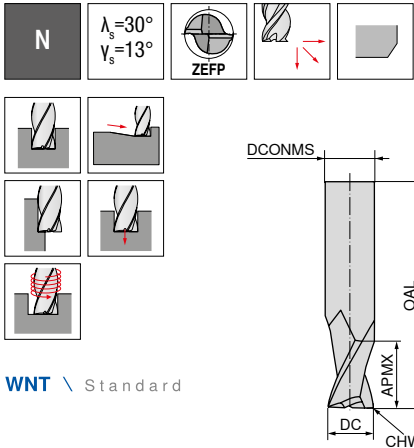


BlueLine – Ball Nosed Cutter

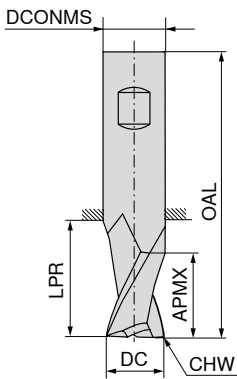
▲ Radius accuracy: ± 0,005 mm



End milling cutter



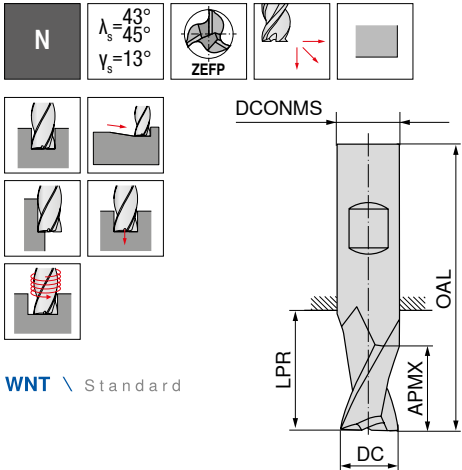
DC _{e8}	APMX	OAL	DCONMS _{h5}	CHW	ZEFP	Article no.	£
mm	mm	mm	mm	mm			
0.25	0.5	38	3		2	50 594 925	20.76
0.30	1.0	38	3		2	50 594 930	19.08
0.35	1.0	38	3		2	50 594 935	19.08
0.40	1.0	38	3		2	50 594 940	19.08
0.50	1.5	38	3		2	50 594 950	19.08
0.60	1.5	38	3		2	50 594 960	19.08
0.70	2.0	38	3		2	50 594 970	19.08
0.80	2.0	38	3		2	50 594 980	19.08
0.90	2.5	38	3		2	50 594 990	19.08
1.00	3.0	50	3		2	50 594 010	20.06
1.10	3.0	50	3		2	50 594 011	20.06
1.20	4.0	50	3		2	50 594 012	20.06
1.40	4.0	50	3		2	50 594 014	20.06
1.50	4.0	50	3		2	50 594 015	20.06
1.60	4.0	50	3		2	50 594 016	20.06
1.80	5.0	50	3		2	50 594 018	20.06
2.00	5.0	50	3	0.07	2	50 594 020	18.46
2.50	6.0	50	3	0.07	2	50 594 025	20.06



DC _{e8}	APMX	LPR	OAL	DCONMS _{h5}	CHW	ZEFP	Article no.	£
mm	mm	mm	mm	mm	mm			
2.8	8	21	57	6	0.07	2	50 594 028	16.77
3.0	8	21	57	6	0.15	2	50 594 030	16.77
3.8	11	21	57	6	0.15	2	50 594 038	16.77
4.0	11	21	57	6	0.15	2	50 594 040	16.77
4.8	13	21	57	6	0.15	2	50 594 048	16.77
5.0	13	21	57	6	0.15	2	50 594 050	16.77
5.8	13	21	57	6	0.15	2	50 594 058	16.77
6.0	13	21	57	6	0.15	2	50 594 060	16.77
6.8	16	27	63	8	0.15	2	50 594 068	19.36
7.0	16	27	63	8	0.15	2	50 594 070	19.36
7.8	19	27	63	8	0.15	2	50 594 078	19.36
8.0	19	27	63	8	0.15	2	50 594 080	19.36
8.7	19	32	72	10	0.15	2	50 594 087	29.94
9.0	19	32	72	10	0.15	2	50 594 090	29.94
9.7	22	32	72	10	0.15	2	50 594 097	29.94
10.0	22	32	72	10	0.15	2	50 594 100	29.94
10.7	26	38	83	12	0.15	2	50 594 107	46.59
11.0	26	38	83	12	0.15	2	50 594 110	46.59
11.7	26	38	83	12	0.15	2	50 594 117	46.59
12.0	26	38	83	12	0.15	2	50 594 120	44.49
13.7	26	38	83	14	0.15	2	50 594 137	56.96
14.0	26	38	83	14	0.15	2	50 594 140	56.96
15.7	32	44	92	16	0.15	2	50 594 157	75.12
16.0	32	44	92	16	0.15	2	50 594 160	66.84
17.7	32	44	92	18	0.15	2	50 594 177	124.49
18.0	32	44	92	18	0.15	2	50 594 180	88.49
19.7	38	54	104	20	0.15	2	50 594 197	164.08
20.0	38	54	104	20	0.15	2	50 594 200	112.12

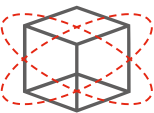
Steel	●
Stainless steel	○
Cast iron	●
Non ferrous metals	○
Heat resistant alloys	○
Hardened materials	

End milling cutter



DC _{e8}	APMX	LPR	OAL	DCONMS _{h5}	ZEFP	Article no.	£
mm	mm	mm	mm	mm			
3.0	8	21	57	6	3	50 614 030	17.83
3.5	11	21	57	6	3	50 614 035	19.66
3.5	15	23	59	6	3	50 614 036	30.32
4.0	11	21	57	6	3	50 614 040	17.83
4.0	19	27	63	6	3	50 614 041	30.32
4.5	13	21	57	6	3	50 614 045	19.66
4.5	19	27	63	6	3	50 614 046	30.32
5.0	13	21	57	6	3	50 614 050	17.52
5.0	24	32	68	6	3	50 614 051	32.91
5.5	13	21	57	6	3	50 614 055	19.66
5.5	24	32	68	6	3	50 614 056	32.91
6.0	13	21	57	6	3	50 614 060	17.83
6.0	24	32	68	6	3	50 614 061	31.93
6.5	16	27	63	8	3	50 614 065	23.10
6.5	30	44	80	8	3	50 614 066	45.30
7.0	16	27	63	8	3	50 614 070	22.41
7.0	30	44	80	8	3	50 614 071	45.30
7.5	19	27	63	8	3	50 614 075	21.13
7.5	30	44	80	8	3	50 614 076	45.30
8.0	19	27	63	8	3	50 614 080	20.76
8.0	38	52	88	8	3	50 614 081	41.70
8.5	19	32	72	10	3	50 614 085	31.91
8.5	38	48	88	10	3	50 614 086	71.43
9.0	19	32	72	10	3	50 614 090	31.91
9.0	38	48	88	10	3	50 614 091	71.43
9.5	22	32	72	10	3	50 614 095	37.23
9.5	38	48	88	10	3	50 614 096	71.43
10.0	22	32	72	10	3	50 614 100	33.31
10.0	45	55	95	10	3	50 614 101	69.55
11.0	26	38	83	12	3	50 614 110	52.87
11.0	45	57	102	12	3	50 614 111	100.07
12.0	26	38	83	12	3	50 614 120	47.88
12.0	53	65	110	12	3	50 614 121	100.07
14.0	26	38	83	14	3	50 614 140	61.45
14.0	53	65	110	14	3	50 614 141	127.08
16.0	32	44	92	16	3	50 614 160	84.20
16.0	63	75	123	16	3	50 614 161	174.76
18.0	32	44	92	18	3	50 614 180	102.05
18.0	63	75	123	18	3	50 614 181	210.97
20.0	38	54	104	20	3	50 614 200	132.48
20.0	75	91	141	20	3	50 614 201	281.70

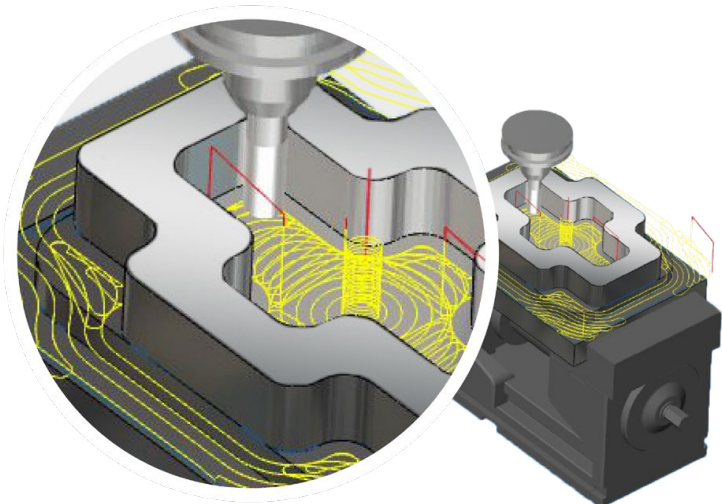
Steel	○	○
Stainless steel	●	●
Cast iron	○	○
Non ferrous metals	○	○
Heat resistant alloys	●	●
Hardened materials		



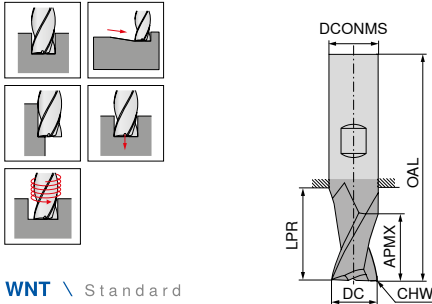
Tool data always at your fingertips

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.

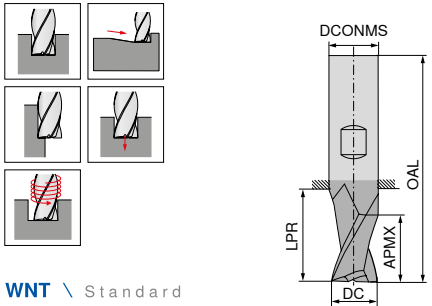


Mini milling cutter



							Ti1000		Ti1000	
							Factory standard		Factory standard	
							~HA		~HA	
							HB		HB	
							Article no.		Article no.	
							£		£	
DC _{es}	APMX	LPR	OAL	DCONMS _{ns}	CHW	ZEFP	50 608 30500		50 609 30500	
0.50	1.5	17	45	3	0.05	3	11.49		14.15	
0.50	1.5	17	45	3	0.08	3			15.67	
1.00	2.0	12	45	6	0.05	3	11.49		14.15	
1.00	2.0	17	45	3	0.05	3			15.67	
1.00	2.0	17	45	3	0.08	3				
1.20	2.0	12	45	6	0.05	3	11.49		14.15	
1.20	3.0	17	45	3	0.05	3			14.15	
1.50	3.0	12	45	6	0.05	3	11.49		14.15	
1.50	3.0	17	45	3	0.05	3			15.67	
1.50	3.0	17	45	3	0.08	3				
1.80	3.0	12	45	6	0.05	3			15.67	
1.80	3.0	17	45	3	0.05	3			14.15	
1.80	3.0	17	45	3	0.08	3	11.49		14.15	
2.00	4.0	19	45	6	0.08	3				
2.00	4.0	13	45	6	0.05	3				
2.50	6.0	19	45	6	0.15	3				
2.50	6.0	13	45	6	0.05	3				
2.80	6.0	19	45	6	0.15	3				
2.80	6.0	13	45	6	0.05	3				
3.00	6.0	19	45	6	0.15	3				
3.00	6.0	13	45	6	0.10	3				
3.50	7.0	13	45	6	0.10	3				
3.80	7.0	19	45	6	0.15	3				
3.80	7.0	13	45	6	0.10	3				
4.00	7.0	12	45	6	0.10	3				
4.00	7.0	19	45	6	0.15	3				
4.50	8.0	11	45	6	0.10	3				
4.80	8.0	11	45	6	0.10	3				
4.80	8.0	19	45	6	0.15	3				
5.00	8.0	11	45	6	0.10	3				
5.00	8.0	19	45	6	0.15	3				
5.50	8.0	9	45	6	0.10	3				
5.70	10.0	19	45	6	0.15	3				
5.75	8.0	9	45	6	0.10	3				
6.00	10.0	19	45	6	0.15	3				
6.00	8.0	9	45	6	0.10	3				
6.70	10.0	19	55	8	0.10	3				
6.70	10.0	26	55	8	0.15	3				
7.00	12.0	19	55	8	0.10	3				
7.00	12.0	26	55	8	0.15	3				
7.70	12.0	19	55	8	0.10	3				
7.80	12.0	26	55	8	0.15	3				
8.00	13.0	26	55	8	0.15	3				
8.00	13.0	19	55	8	0.10	3				
8.70	14.0	28	55	10	0.15	3				
8.70	14.0	17	55	10	0.10	3				
9.00	16.0	17	55	10	0.10	3				
9.70	16.0	28	55	10	0.15	3				
9.70	16.0	17	55	10	0.10	3				
10.00	16.0	17	55	10	0.10	3				
10.00	16.0	28	55	10	0.15	3				
Steel							●		●	
Stainless steel							●		●	
Cast iron							●		●	
Non ferrous metals							●		○	
Heat resistant alloys							○		●	
Hardened materials										

Mini milling cutter



							Ti1000		Ti1000	
							Factory standard		Factory standard	
							~HA		~HA	
							HB		HB	
							Article no.		Article no.	
							£		£	
DC _{es}	APMX	LPR	OAL	DCONMS _{ns}	CHW	ZEFP	50 664 30500		50 691 30500	
0.50	1.5	17	45	3	3	3	12.53		13.99	
1.00	2.0	12	45	6	3	3	12.53		13.99	
1.00	2.0	17	45	3	3	3				
1.20	2.0	12	45	6	3	3	11.29		13.99	
1.20	3.0	17	45	3	3	3				
1.50	3.0	12	45	6	3	3	12.53		13.99	
1.50	3.0	17	45	3	3	3				
1.80	3.0	12	45	6	3	3				
1.80	3.0	17	45	3	3	3				
2.00	4.0	13	45	6	3	3				
2.50	6.0	13	45	6	3	3				
2.80	6.0	13	45	6	3	3				
3.00	6.0	13	45	6	3	3				
3.50	7.0	13	45	6	3	3				
3.80	7.0	13	45	6	3	3				
4.00	7.0	12	45	6	3	3				
4.50	8.0	11	45	6	3	3				
4.80	8.0	11	45	6	3	3				
5.00	8.0	11	45	6	3	3				
5.50	8.0	9	45	6	3	3				
5.75	8.0	9	45	6	3	3				
6.00	8.0	9	45	6	3	3				
6.70	10.0	19	55	8	3	3				
7.00	12.0	19	55	8	3	3				
7.70	12.0	19	55	8	3	3				
8.00	13.0	19	55	8	3	3				
8.70	14.0	17	55	10	3	3				
9.00	16.0	17	55	10	3	3				
9.70	16.0	17	55	10	3	3				
10.00	16.0	17	55	10	3	3				
Steel							●		●	
Stainless steel							●		●	
Cast iron							●		●	
Non ferrous metals							●		○	
Heat resistant alloys							○		●	
Hardened materials										

Technical support: 0800 073 2 075

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

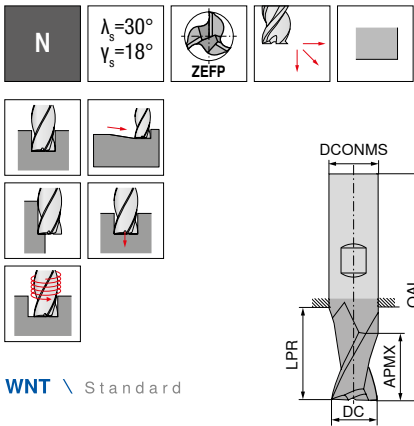


Order by 6:30 pm and get free, guaranteed before 12 noon, next day delivery



Mini milling cutter

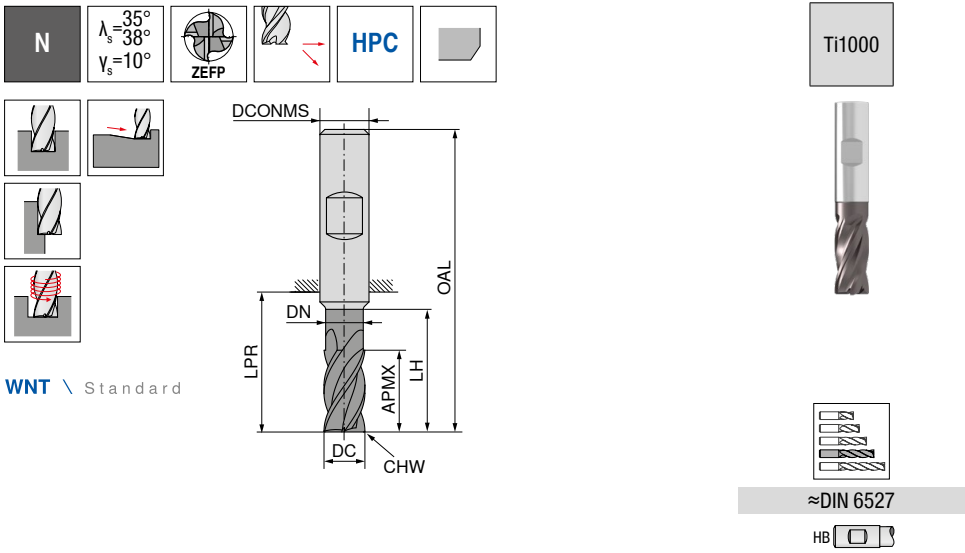
▲ Shank similar to DIN 6535



Factory standard							Factory standard						
HB							HB						
DC _{e8}	APMX	LH	LPR	OAL	DCONMS _{h6}	ZEFP	Article no.		Article no.		Article no.		Article no.
mm	mm	mm	mm	mm	mm		£		£		£		£
2.00	4	4.0	10	35	6	3	50 598 020	11.68	50 599 020	16.25	50 598 020	11.68	50 599 020
2.50	4	4.0	10	35	6	3	50 598 025	12.25	50 599 025	16.77	50 598 025	12.25	50 599 025
3.00	5	5.0	10	36	6	3	50 598 030	11.68	50 599 030	16.25	50 598 030	11.68	50 599 030
3.50	5	5.0	10	36	6	3	50 598 035	12.25	50 599 035	16.77	50 598 035	12.25	50 599 035
4.00	7	7.0	12	38	6	3	50 598 040	11.66	50 599 040	15.37	50 598 040	11.66	50 599 040
4.50	7	7.0	12	38	6	3	50 598 045	12.25	50 599 045	16.77	50 598 045	12.25	50 599 045
5.00	8	8.0	13	39	6	3	50 598 050	11.66	50 599 050	15.46	50 598 050	11.66	50 599 050
5.50	8	8.0	13	39	6	3	50 598 055	12.25	50 599 055	16.93	50 598 055	12.25	50 599 055
5.75	8	8.0	13	39	6	3	50 598 057	12.25	50 599 057	16.93	50 598 057	12.25	50 599 057
6.00	8	8.5	13	39	6	3	50 598 060	11.66	50 599 060	15.46	50 598 060	11.66	50 599 060
6.75	11	11.5	16	43	8	3	50 598 067	16.37	50 599 067	20.76	50 598 067	16.37	50 599 067
7.00	11	11.5	16	43	8	3	50 598 070	15.67	50 599 070	19.66	50 598 070	15.67	50 599 070
7.75	11	11.5	16	43	8	3	50 598 077	16.67	50 599 077	21.25	50 598 077	16.67	50 599 077
8.00	11	11.5	16	43	8	3	50 598 080	18.07	50 599 080	20.96	50 598 080	18.07	50 599 080
8.70	13	13.5	18	50	10	3	50 598 087	25.66	50 599 087	31.24	50 598 087	25.66	50 599 087
9.00	13	13.5	18	50	10	3	50 598 090	23.01	50 599 090	28.29	50 598 090	23.01	50 599 090
9.70	13	13.5	18	50	10	3	50 598 097	25.66	50 599 097	31.24	50 598 097	25.66	50 599 097
10.00	13	13.5	18	50	10	3	50 598 100	25.05	50 599 100	30.04	50 598 100	25.05	50 599 100
12.00	15	15.5	24	55	12	3	50 598 120	33.23	50 599 120	38.91	50 598 120	33.23	50 599 120
14.00	15	15.5	26	58	14	3	50 598 140	56.86	50 599 140	61.45	50 598 140	56.86	50 599 140
16.00	18	18.5	28	62	16	3	50 598 160	63.55	50 599 160	70.13	50 598 160	63.55	50 599 160
18.00	20	20.5	35	70	18	3	50 598 180	80.12	50 599 180	87.78	50 598 180	80.12	50 599 180
20.00	22	22.5	40	75	20	3	50 598 200	102.25	50 599 200	108.63	50 598 200	102.25	50 599 200
Steel							●		●		●		
Stainless steel							○		○		○		
Cast iron							●		●		○		
Non ferrous metals							○		○		○		
Heat resistant alloys							○		○		○		
Hardened materials											○		

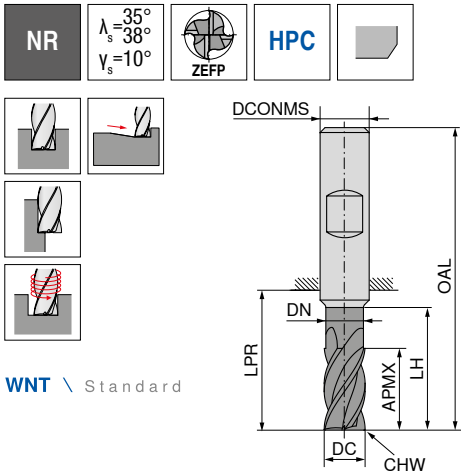
End milling cutter

- ▲ irregular helix angle
- ▲ special cutting edge preparation for the machining of stainless steel



DC	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	CHW	ZEFP	Article no.	
mm	mm	mm	mm	mm	mm	mm	mm		£	
3.0	8	2.8	12.0	21	57	6	0.15	4	54 006 030	15.75
4.0	11	3.8	15.0	21	57	6	0.15	4	54 006 040	15.75
5.0	13	4.8	17.0	21	57	6	0.15	4	54 006 050	15.75
6.0	13	5.8	21.0	21	57	6	0.15	4	54 006 060	18.42
8.0	19	7.7	27.0	27	63	8	0.25	4	54 006 080	23.79
10.0	22	9.7	32.0	32	72	10	0.25	4	54 006 100	31.26
12.0	26	11.6	38.0	38	83	12	0.35	4	54 006 120	49.68
16.0	32	15.5	44.0	44	92	16	0.35	4	54 006 160	76.62
20.0	38	19.5	54.0	54	104	20	0.35	4	54 006 200	115.91
Steel									●	
Stainless steel									●	
Cast iron									○	
Non ferrous metals									○	
Heat resistant alloys									●	
Hardened materials										

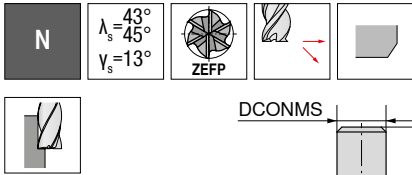
Rough milling cutter



DC _{h10}	APMX	DN	LH	LPR	OAL	DCONMS _{h6}	CHW	ZEFP	DIN 6527		Factory standard		Factory standard	
mm	mm	mm	mm	mm	mm	mm	mm		HB		HB		HB	
NEW									NEW		NEW		NEW	
Article no.									Article no.		Article no.		Article no.	
£									£		£		£	
3	5				14	50	0.15	4	54 000 03100	20.28	54 015 03200	20.32	54 015 03400	29.62
3	8	2.8	12	21	57	6	0.15	4	54 000 04100	20.26	54 015 04200	20.32	54 015 04400	29.62
3	8	2.8	15	34	70	6	0.15	4	54 000 05100	20.26	54 015 05200	20.32	54 015 05400	33.88
4	8			18	54	6	0.15	4	54 000 06100	20.26	54 015 06200	24.38	54 015 06400	38.36
4	11	3.8	15	21	57	6	0.15	4	54 000 08100	27.98	54 015 08200	30.42	54 015 08400	46.90
4	11	3.8	20	34	70	6	0.15	4	54 000 10100	34.80	54 015 10200	38.78	54 015 10400	64.06
5	9			18	54	6	0.15	4	54 000 12100	51.50	54 015 12200	62.92	54 015 12400	76.56
5	13	4.8	17	21	57	6	0.15	4	54 000 16100	88.34	54 015 16200	94.72	54 015 16400	144.36
5	13	4.8	25	34	70	6	0.15	4	54 000 20100	129.10	54 015 20200	140.42	54 015 20400	188.60
6	10			18	54	6	0.15	4						
6	13	5.8	21	21	57	6	0.15	4						
6	13	5.8	30	34	70	6	0.15	4						
6	13	5.8	30	34	70	6	0.15	4						
8	12			22	58	8	0.25	4						
8	19	7.7	27	27	63	8	0.25	4						
8	19	7.7	40	44	80	8	0.25	4						
10	14			26	66	10	0.25	4						
10	22	9.7	32	32	72	10	0.25	4						
10	22	9.7	50	54	94	10	0.25	4						
12	16			28	73	12	0.35	4						
12	26	11.6	38	38	83	12	0.35	4						
12	26	11.6	64	65	109	12	0.35	4						
16	22			34	82	16	0.35	4						
16	32	15.5	44	44	92	16	0.35	4						
16	32	15.5	80	84	132	16	0.35	4						
20	26			42	92	20	0.35	4						
20	38	19.5	54	54	104	20	0.35	4						
20	38	19.5	100	104	154	20	0.35	4						
Steel									●		●		●	
Stainless steel									●		●		●	
Cast iron									○		○		○	
Non ferrous metals									○		○		○	
Heat resistant alloys									●		●		●	
Hardened materials														



Finish milling cutter

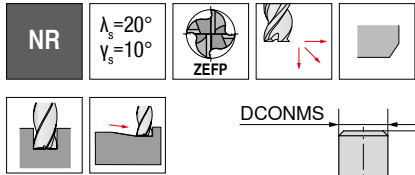


WNT \ Standard

DC ₁₈	APMX	LPR	OAL	DCONMS ₁₅	CHW	ZEFP
mm	mm	mm	mm	mm	mm	
4	11	21	57	6	0.15	6
4	16	26	62	6	0.15	6
5	13	21	57	6	0.15	6
5	18	26	62	6	0.15	6
6	13	21	57	6	0.15	6
6	18	26	62	6	0.15	6
7	16	27	63	8	0.15	6
7	21	32	68	8	0.15	6
8	19	27	63	8	0.15	6
8	24	32	68	8	0.15	6
9	19	32	72	10	0.15	6
9	27	40	80	10	0.15	6
10	22	32	72	10	0.15	6
10	30	40	80	10	0.15	6
12	26	38	83	12	0.15	6
12	36	48	93	12	0.15	6
14	26	38	83	14	0.15	6
14	42	54	99	14	0.15	6
16	32	44	92	16	0.15	6
16	48	60	108	16	0.15	6
16	65	77	125	16	0.15	6
16	75	102	150	16	0.15	6
16	95	102	150	16	0.15	6
18	32	44	92	18	0.15	6
18	54	66	114	18	0.15	6
20	38	54	104	20	0.15	6
20	60	76	126	20	0.15	6
20	75	85	135	20	0.15	6
20	95	100	150	20	0.15	6
25	75	94	150	25	0.15	6
25	95	104	160	25	0.15	6
32	75	90	150	32	0.15	6
32	95	100	160	32	0.15	6

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

Rough milling cutter



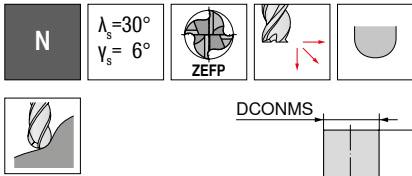
WNT \ Standard

DC _{d11}	APMX	LPR	OAL	DCONMS ₁₅	CHW	ZEFP
mm	mm	mm	mm	mm	mm	
4	8	21	57	6	0.6	4
5	13	21	57	6	0.6	4
6	13	21	57	6	0.6	4
7	19	27	63	8	0.6	4
8	19	27	63	8	0.6	4
9	22	32	72	10	0.6	4
10	22	32	72	10	0.6	4
11	26	38	83	12	0.6	4
12	26	38	83	12	0.6	4
13	26	38	83	14	0.6	4
14	26	38	83	14	0.6	4
16	32	44	92	16	0.6	4
18	32	44	92	18	0.6	4
20	38	54	104	20	0.6	4
25	45	65	121	25	0.6	5

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

Ball Nosed Cutter

▲ Radius accuracy: ± 0,01 mm



WNT \ Standard

DC ₁₈	APMX	LPR	OAL	DCONMS ₁₅	ZEFP
mm	mm	mm	mm	mm	
3	8	21	57	6	4
4	11	21	57	6	4
6	13	21	57	6	4
6	40	64	100	6	4
8	19	27	63	8	4
8	40	64	100	8	4
10	22	32	72	10	4
10	40	60	100	10	4
12	26	38	83	12	4
12	45	55	100	12	4
12	75	105	150	12	4
14	26	38	83	14	4
14	45	55	100	14	4
16	32	44	92	16	4
16	75	102	150	16	4
20	38	54	104	20	4
20	75	100	150	20	4

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

 DIN 6527 HB 	 DIN 6527 HB 	 Factory standard HB 	 DIN 6527 HB 
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Article no.	Article no.	Article no.	Article no.
50 642 030 50 642 040 50 642 060 50 642 080 50 642 100 50 642 120 50 642 140 50 642 160 50 642 200	50 643 030 50 643 040 50 643 060 50 643 080 50 643 100 50 643 120 50 643 140 50 643 160 50 643 200	50 642 061 50 642 081 50 642 101 50 642 121 50 642 122 50 642 141 50 642 161 50 642 201	50 643 061 50 643 081 50 643 101 50 643 121 50 643 122 50 643 141 50 643 161 50 643 201

Technical support: 0800 073 2 075

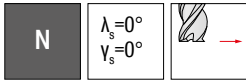
3 time served engineers, available from 8:00 am to 6:30 pm, Monday to Friday



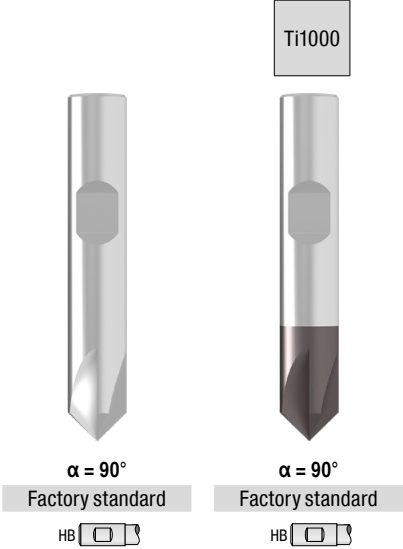
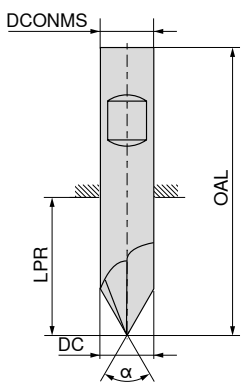
Order by 6:30 pm and get free,
guaranteed before 12 noon, next day delivery



NC deburring cutter



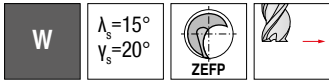
WNT \ Performance



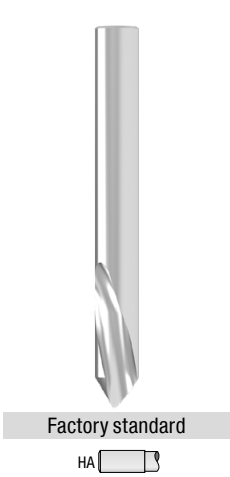
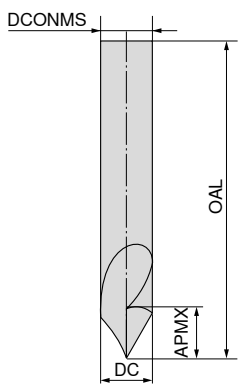
DC _{h6}	OAL	LPR	DCONMS _{h6}	ZEFP	Article no.	Article no.
mm	mm	mm	mm		£	£
4	50	22	4	4	52 151 040 ¹⁾	22.42
6	54	18	6	4	52 151 060 ²⁾	28.76
8	59	23	8	4	52 151 080 ²⁾	34.14
10	60	20	10	4	52 151 100 ²⁾	41.91
12	70	25	12	4	52 151 120 ²⁾	58.94
Steel					●	●
Stainless steel					○	○
Cast iron					●	●
Non ferrous metals					○	○
Heat resistant alloys					○	○
Hardened materials						○

- 1) DIN 6535 HA Shank
2) Included in the set

Engraving cutter 60°

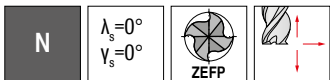


WNT \ Standard

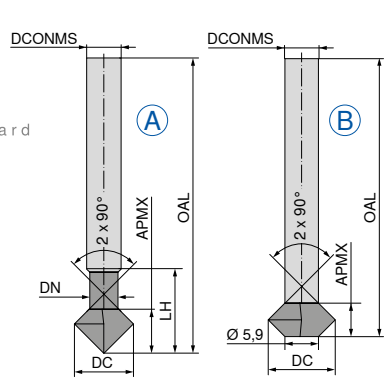


DC _{h6}	APMX	OAL	DCONMS _{h6}	ZEFP	Article no.	£
mm	mm	mm	mm			
3	15	50	3	1	52 195 030	33.06
4	18	50	4	1	52 195 040	34.71
6	20	54	6	1	52 195 060	37.79
Steel					○	
Stainless steel					○	
Cast iron					○	
Non ferrous metals					●	
Heat resistant alloys					○	
Hardened materials						

NC front and rear chamfer milling cutter



WNT \ Standard



DC	APMX	DN	LH	OAL	DCONMS _{h5}	ZEFP	Fig.	Article no.	Article no.
mm	mm	mm	mm	mm	mm			£	£
3	2.0	2.2	12.0	75	4	4	A	52 158 030	54.29
4	2.7	2.9	17.7	75	4	4	A	52 158 040	54.29
5	3.0	3.9	18.0	75	5	4	A	52 158 050	55.67
6	4.0	3.9	19.0	100	6	4	A	52 158 060	57.80
8	2.0			100	6	4	B	52 158 080	75.12
10	4.0			100	6	4	B	52 158 100	93.85
12	6.0			100	6	4	B	52 158 120	112.55
Steel								●	●
Stainless steel								○	○
Cast iron								●	●
Non ferrous metals								○	○
Heat resistant alloys								○	○
Hardened materials									○



Intelligent Machining

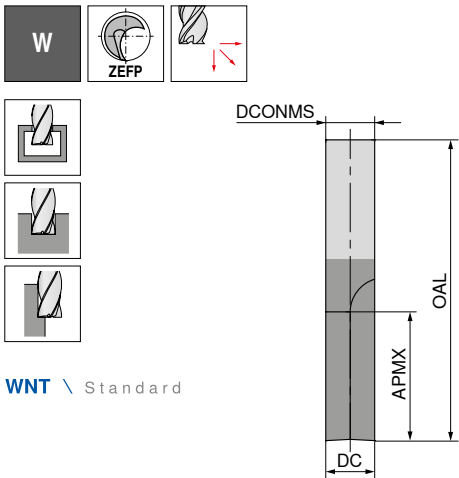
Industry 4.0 with ToolScope

ToolScope is a modular assistance system for monitoring and optimizing machining processes. With it, we are the only company that offers not only the tools, but also the expertise and capabilities to master and improve processes throughout the entire machining process.



Cutter for plastics

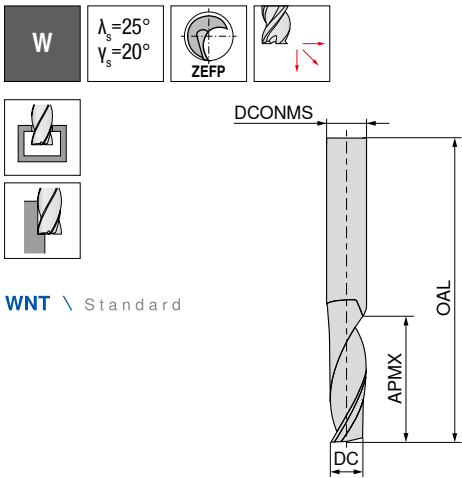
▲ With polished flutes



DC _{h10}	APMX	OAL	DCONMS _{h6}	ZEFP	Article no.	
mm	mm	mm	mm			£
1.5	6	40	3	1	50 946 015	20.43
2.0	6	40	3	1	50 946 020	20.43
2.0	10	40	2	1	50 946 022	14.63
2.0	10	60	6	1	50 946 024	29.74
2.0	12	60	6	1	50 946 026	30.50
3.0	12	40	3	1	50 946 030	15.39
3.0	12	60	6	1	50 946 032	29.74
3.0	15	60	6	1	50 946 034	29.74
4.0	15	60	6	1	50 946 040	29.74
4.0	20	75	6	1	50 946 042	44.94
5.0	16	60	6	1	50 946 050	29.74
5.0	28	75	6	1	50 946 052	49.69
6.0	20	60	6	1	50 946 060	25.85
6.0	30	60	6	1	50 946 062	29.36
6.0	35	75	6	1	50 946 064	41.34
8.0	22	63	8	1	50 946 080	40.10
8.0	40	100	8	1	50 946 082	64.40
10.0	25	72	10	1	50 946 100	59.56
10.0	55	100	10	1	50 946 102	105.55
12.0	30	83	12	1	50 946 120	77.15
Steel						
Stainless steel						
Cast iron						
Non ferrous metals						
Heat resistant alloys						
Hardened materials						

Single flute cutter

▲ With polished chip flutes

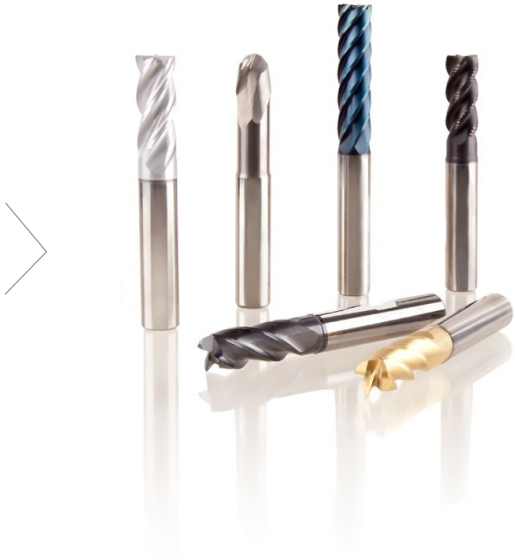


DC _{h10}	APMX	OAL	DCONMS _{h6}	ZEFP	Article no.	
mm	mm	mm	mm			£
1.5	6	40	3.0	1	50 610 015	16.53
2.0	6	40	3.0	1	50 610 019	16.53
2.0	10	40	2.0	1	50 610 020	13.40
2.0	10	60	6.0	1	50 610 022	24.43
2.0	12	60	6.0	1	50 610 024	25.19
2.5	6	40	2.5	1	50 610 025	16.53
3.0	12	40	3.0	1	50 610 030	13.30
3.0	10	40	6.0	1	50 610 032	24.04
3.0	12	60	6.0	1	50 610 034	24.43
3.0	15	60	6.0	1	50 610 036	24.43
4.0	15	40	4.0	1	50 610 040	16.25
4.0	15	60	6.0	1	50 610 042	24.43
4.0	20	75	6.0	1	50 610 044	39.61
5.0	16	50	5.0	1	50 610 050	20.76
5.0	16	60	6.0	1	50 610 052	24.43
5.0	28	75	6.0	1	50 610 054	44.37
6.0	20	60	6.0	1	50 610 060	24.25
6.0	30	60	6.0	1	50 610 062	24.04
6.0	35	75	6.0	1	50 610 064	36.01
8.0	22	63	8.0	1	50 610 080	39.30
8.0	40	100	8.0	1	50 610 084	57.56
10.0	25	72	10.0	1	50 610 100	57.95
10.0	55	100	10.0	1	50 610 105	95.86
12.0	30	83	12.0	1	50 610 120	78.20
14.0	30	83	14.0	1	50 610 140	117.02
16.0	35	92	16.0	1	50 610 160	165.90
18.0	35	92	18.0	1	50 610 180	198.50
20.0	40	104	20.0	1	50 610 200	223.24
Steel						
Stainless steel						
Cast iron						
Non ferrous metals						
Heat resistant alloys						
Hardened materials						

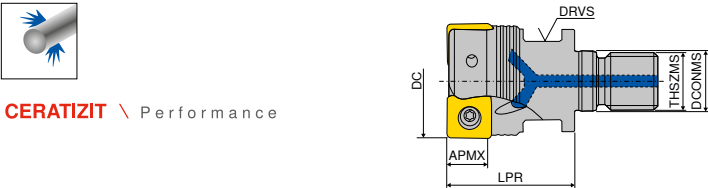
CERATIZIT Group

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.



MaxiMill – Screw in cutter G 491



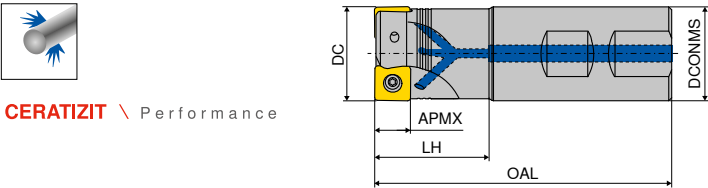
CERATIZIT \ Performance



ISO designation	DC	LPR	THSZMS	DCONMS	APMX	DRVS	Insert	ZNF
	mm	mm		mm	mm	mm		
G491.25.R.03-09	25	35	M12	12.5	6	17	SNHU 09T3	3
G491.32.R.03-09	32	35	M16	17.0	6	24	SNHU 09T3	3
G491.32.R.04-09	32	35	M16	17.0	6	24	SNHU 09T3	4
G491.32.R.02-12	32	35	M16	17.0	8	24	SNHU 1204	2

Article no.	
	£
50 773 125	159.68
50 773 132	162.09
50 773 232	181.09
50 773 032	152.55

MaxiMill – End milling cutter C 491



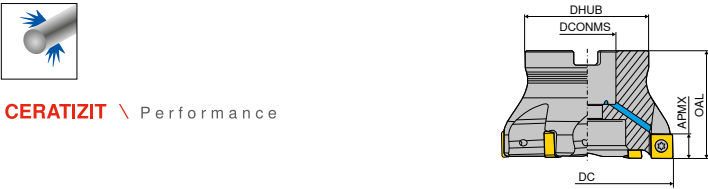
CERATIZIT \ Performance



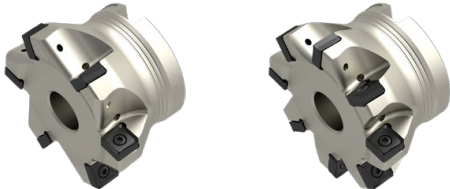
ISO designation	DC	OAL	LH	DCONMS _{h6}	APMX	Insert	ZNF
	mm	mm	mm	mm	mm		
C491.25.R.03-09-A-50-225	25	225	50	25	6	SNHU 09T3	3
C491.25.R.03-09-B-32	25	59	32	25	6	SNHU 09T3	3
C491.32.R.03-09-A-63-250	32	250	63	32	6	SNHU 09T3	3
C491.32.R.04-09-B-40	32	101	40	32	6	SNHU 09T3	4
C491.32.R.04-09-A-63-250	32	250	63	32	6	SNHU 09T3	4
C491.32.R.03-09-B-40	32	101	40	32	6	SNHU 09T3	3
C491.32.R.02-12-A-63-250	32	250	63	32	8	SNHU 1204	2
C491.32.R.02-12-B-40	32	102	40	32	8	SNHU 1204	2

Article no.		Article no.	
	£		£
50 774 325	162.09	50 774 425	162.09
50 774 532	166.82	50 774 432	181.09
50 774 332	181.09	50 774 632	166.82
50 774 232	152.55	50 774 032	152.55

MaxiMill – Shell mill A 491



CERATIZIT \ Performance



ISO designation	DC	OAL	DHUB	DCONMS _{h6}	APMX	Insert	ZNF
	mm	mm	mm	mm	mm		
A491.40.R.03-09	40	40	38	16	6	SNHU 09T3	3
A491.40.R.05-09	40	40	38	16	6	SNHU 09T3	5
A491.50.R.04-09	50	40	43	22	6	SNHU 09T3	4
A491.50.R.06-09	50	40	43	22	6	SNHU 09T3	6
A491.63.R.05-09	63	40	48	22	6	SNHU 09T3	5
A491.63.R.08-09	63	40	48	22	6	SNHU 09T3	8
A491.80.R.06-09	80	50	58	27	6	SNHU 09T3	6
A491.80.R.10-09	80	50	58	27	6	SNHU 09T3	10
A491.100.R.07-09	100	50	78	32	6	SNHU 09T3	7
A491.100.R.12-09	100	50	78	32	6	SNHU 09T3	12
A491.125.R.08-09	125	63	88	40	6	SNHU 09T3	8
A491.125.R.15-09	125	63	88	40	6	SNHU 09T3	15
A491.40.R.03-12	40	40	38	16	8	SNHU 1204	3
A491.40.R.04-12	40	40	38	16	8	SNHU 1204	4
A491.50.R.04-12	50	40	43	22	8	SNHU 1204	4
A491.50.R.05-12	50	40	43	22	8	SNHU 1204	5
A491.63.R.05-12	63	40	48	22	8	SNHU 1204	5
A491.63.R.06-12	63	40	48	22	8	SNHU 1204	6
A491.80.R.06-12	80	50	58	27	8	SNHU 1204	6
A491.80.R.08-12	80	50	58	27	8	SNHU 1204	8
A491.100.R.07-12	100	50	78	32	8	SNHU 1204	7
A491.100.R.10-12	100	50	78	32	8	SNHU 1204	10
A491.125.R.08-12	125	63	88	40	8	SNHU 1204	8
A491.125.R.12-12	125	63	88	40	8	SNHU 1204	12
A491.160.R.09-12	160	63	98	40	8	SNHU 1204	9
A491.160.R.14-12	160	63	98	40	8	SNHU 1204	14

Article no.		Article no.	
	£		£
50 775 240	176.32	50 776 240	204.96
50 775 250	195.41	50 776 250	224.00
50 775 263	233.55	50 776 263	276.41
50 775 280	247.87	50 776 280	305.05
50 775 300	314.55	50 776 300	386.05
50 775 325	381.28	50 776 325	467.28
50 775 040	176.32	50 776 040	190.64
50 775 050	195.41	50 776 050	209.73
50 775 063	233.55	50 776 063	247.87
50 775 080	247.87	50 776 080	285.96
50 775 100	314.55	50 776 100	357.50
50 775 125	381.28	50 776 125	438.50
50 775 160 ¹⁾	443.28	50 776 160 ¹⁾	515.00

1) With threaded holes M12 on the front face, pitch circle diameter = 66.7 mm

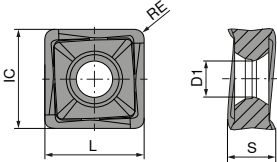
Spare parts

Article no.		Article no.		Article no.		Article no.		Article no.	
	£		£		£		£		£
SNHU 09T3..	3.68	80 950 053	2.63	80 950 119	6.45	70 950 151	2.39	70 950 710	2.39
SNHU 09T3.. (Ø40)	3.68	80 950 053	2.63	80 950 119	6.45	70 950 151	2.39	70 950 710	2.39
SNHU 1204..				80 950 128	8.67		2.42	70 950 859	2.42
SNHU 1204.. (Ø40)				80 950 128	8.67		2.42	70 950 859	2.42



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

CERATIZIT \ Performance		-F50 CTPM240		-F10 CTWN215	
		-F50 DPX2240		-F10 CWK4615	
		DRAGONSKIN			
					
		SNHU		SNHU	
ISO	RE	Article no.		Article no.	
	mm		£		£
120408FR	0.8	51 102 408		51 101 358	
120408SR	0.8		18.28	18.28	
120412FR	1.2	51 102 412		51 101 362	
120412SR	1.2		18.28	18.28	
120416FR	1.6	51 102 416		51 101 366	
120416SR	1.6		18.28	18.28	
120420FR	2.0	51 102 420		51 101 370	
120420SR	2.0		18.28	18.28	
Steel		○			
Stainless steel		●			
Cast iron				○	
Non ferrous metals				●	
Heat resistant alloys					

SNHU

CERATIZIT \ Performance

CERATIZIT \ Performance

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SNHU

CERATIZIT \ Performance

CERATIZIT \ Performance		-M50 CTCP230 -M50 DCX1230 DRAGONSKIN  SNHU		-M50 CTPP235 -M50 DPX1235 DRAGONSKIN  SNHU		-F50 CTPM240 -F50 DPX2240 DRAGONSKIN  SNHU		-M50 CTPM240 -M50 DPX2240 DRAGONSKIN  SNHU		-R50 CTCK215 -R50 DCX3215 DRAGONSKIN  SNHU		-F10 CTWN215 -F10 CWK4615  SNHU	
		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
ISO	RE	£		£		£		£		£			
09T308FR	0.8	51 120 008		51 120 108		51 119 408		51 120 408		51 121 508			
09T308SR	0.8	14.96		14.96		14.96		14.96		14.96			
Steel		●		●		○		○		○			
Stainless steel		○		○		●		●		●			
Cast iron													
Non ferrous metals										○			
Heat resistant alloys										●			

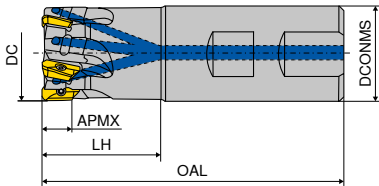


MaxiMill – End milling cutter C 211-11

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



CERATIZIT \ Performance



ISO designation	DC	OAL	LH	DCONMS _{H6}	APMX	RPMX	Insert	ZNF
	mm	mm	mm	mm	mm	1/min.		
C211.12.R.01-11-B-20	12	75	20	16	10	55000	XD.T 11T3	1
C211.16.R.02-11-A-25	16	75	25	16	10	42000	XD.T 11T3	2
C211.16.R.02-11-B-25	16	75	25	16	10	42000	XD.T 11T3	2
C211.16.R.02-11-A15-32-165	16	165	32	15	10	14800	XD.T 11T3	2
C211.16.R.02-11-A-32-165	16	165	32	16	10	14800	XD.T 11T3	2
C211.20.R.03-11-A-25	20	77	25	20	10	36900	XD.T 11T3	3
C211.20.R.03-11-B-25	20	77	25	20	10	36900	XD.T 11T3	3
C211.20.R.03-11-A-32-165	20	165	32	20	10	15800	XD.T 11T3	3
C211.20.R.02-11-A19-40-200	20	200	40	19	10	10500	XD.T 11T3	2
C211.20.R.02-11-A-40-200	20	200	40	20	10	10500	XD.T 11T3	2
C211.25.R.03-11-A-32	25	90	32	25	10	33200	XD.T 11T3	3
C211.25.R.03-11-B-32	25	90	32	25	10	33200	XD.T 11T3	3
C211.25.R.04-11-A-32	25	90	32	25	10	33200	XD.T 11T3	4
C211.25.R.04-11-B-32	25	90	32	25	10	33200	XD.T 11T3	4
C211.25.R.04-11-A-40-165	25	165	40	25	10	19900	XD.T 11T3	4
C211.25.R.03-11-A-50-225	25	225	50	25	10	9400	XD.T 11T3	3
C211.25.R.03-11-A24-50-225	25	225	50	24	10	9400	XD.T 11T3	3
C211.32.R.05-11-A-40	32	102	40	32	10	30200	XD.T 11T3	5
C211.32.R.05-11-B-40	32	102	40	32	10	30200	XD.T 11T3	5
C211.32.R.05-11-A-50-165	32	165	50	32	10	20900	XD.T 11T3	5
C211.32.R.04-11-A-64-250	32	250	64	32	10	8500	XD.T 11T3	4

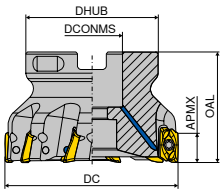
Article no.		Article no.	
	£		£
		50 737 012	93.46
50 737 116	104.78	50 737 016	104.78
50 737 316	104.78		
50 737 216	104.78		
50 737 120	118.96	50 737 020	118.96
50 737 320	118.96		
50 737 620	110.46		
50 737 420	110.46		
50 737 625	124.64	50 737 725	124.64
50 737 125	133.14	50 737 025	133.14
50 737 325	133.14		
50 737 425	124.64		
50 737 825	124.64		
50 737 132	147.32	50 737 032	147.32
50 737 332	147.32		
50 737 432	138.78		

MaxiMill – Shell mill A 211-11

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



CERATIZIT \ Performance



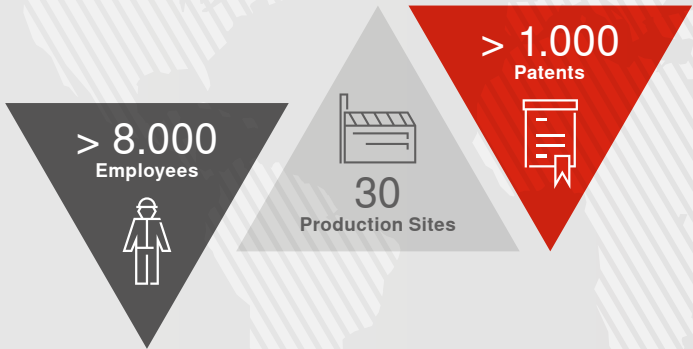
ISO designation	DC	OAL	DCONMS _{H6}	DHUB	APMX	RPMX	Insert	ZNF
	mm	mm	mm	mm	mm	1/min.		
A211.40.R.04-11	40	40	16	38	10	27700	XD.T 11T3	4
A211.40.R.06-11	40	40	16	38	10	27700	XD.T 11T3	6
A211.50.R.05-11	50	40	22	43	10	25400	XD.T 11T3	5
A211.50.R.08-11	50	40	22	43	10	25400	XD.T 11T3	8
A211.63.R.06-11	63	40	22	48	10	23300	XD.T 11T3	6
A211.63.R.10-11	63	40	22	48	10	23300	XD.T 11T3	10
A211.80.R.07-11	80	50	27	58	10	21300	XD.T 11T3	7
A211.80.R.10-11	80	50	27	58	10	21300	XD.T 11T3	10

Article no.		Article no.	
	£		£
50 738 040	144.50	50 739 040	161.41
50 738 050	169.91	50 739 050	195.46
50 738 063	195.46	50 739 063	229.41
50 738 080	220.96	50 739 180	246.41

Spare parts
DC

	TORX® blade	Clamping key - T	Key D	Power Screw	Clamping screw	Torque screwdriver
	Article no.	Article no.	Article no.	Article no.	Article no.	Article no.
12	3.68 80 950 043	£	7.42 80 950 125	£	1.99 70 950 116	89.97 80 950 191
16 - 32	3.68 80 950 043		7.42 80 950 125		3.16 70 950 128	89.97 80 950 191
40	3.68 80 950 043	2.63 80 397 040	7.42 80 950 125	9.65 70 950 151	3.16 70 950 131	89.97 80 950 191
40	3.68 80 950 043		7.42 80 950 125	9.65 70 950 151	3.16 70 950 131	89.97 80 950 191
50	3.68 80 950 043	3.35 80 397 050	7.42 80 950 125	13.24 70 950 154	3.16 70 950 131	89.97 80 950 191
63 - 80	3.68 80 950 043		7.42 80 950 125		3.16 70 950 131	89.97 80 950 191

Direct availability to a global innovator.

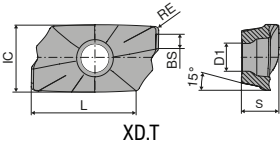


Team Cutting Tools means access to a leading international expert in the field of carbide and carbide tools for all those involved. The goals for the future with the Team Cutting Tools are: A large single product portfolio, even more custom solutions and additional upgraded services. One thing that will always remain the same: direct contact with the customer - thanks to short distances and personal contacts.



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 / 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					
ISO	RE	Article no.		Article no.		Article no.		Article no.		Article no.	
	mm		£		£		£		£		£
11T302FR	0.2							50 478 502	12.05	50 477 502	18.16
11T304ER	0.4	51 113 454	12.34			50 463 504	12.34	50 478 504	12.05	50 477 504	18.16
11T304FR	0.4										
11T308ER	0.8	51 113 458	12.34			50 463 500	12.34	50 478 508	12.05	50 477 508	18.16
11T308FR	0.8										
11T308SR	0.8			51 034 458	12.34						
11T312ER	1.2	51 113 462	12.34			50 463 512	12.34				
11T312FR	1.2									50 477 512	18.16
11T316ER	1.6	51 113 466	12.34			50 463 516	12.34				
11T316FR	1.6									50 477 516	18.16
11T320ER	2.0	51 113 470 ¹⁾	12.34								
11T320FR	2.0							50 478 520 ¹⁾	12.05	50 477 520 ¹⁾	18.16
11T325ER	2.5	51 113 475 ¹⁾	12.34			50 463 525 ¹⁾	12.34				
11T325FR	2.5							50 478 525 ¹⁾	12.05	50 477 525 ¹⁾	18.16
11T332ER	3.2	51 113 482 ¹⁾	12.34			50 463 532 ¹⁾	12.34			50 477 532 ¹⁾	18.16
11T332FR	3.2										
11T340ER	4.0	51 113 490 ¹⁾	12.34			50 463 540 ¹⁾	12.34			50 477 540 ¹⁾	18.16
11T340FR	4.0									50 477 550 ¹⁾	18.16
11T350FR	5.0										
Steel											
Stainless steel											
Cast iron											
Non ferrous metals											
Heat resistant alloys											

1) Insert radius >1.6 mm: Modify cutter body

XDKT

CERATIZIT \ Performance

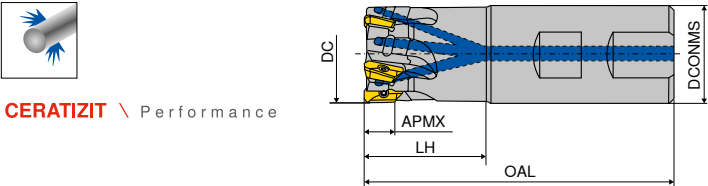
		-M50 CTCP220		-M50 CTPP225		-M50 CTCP230		-M50 CTPP235		-M50 CTPM225		-M50 CTCM235		-M50 CTPM240		-M50 CTCK215		-M50 CTPK220	
		-M50 DCX1220		-M50 DPX1225		-M50 DCX1230		-M50 DPX1235		-M50 DPX2225		-M50 DCX2235		-M50 DPX2240		-M50 DCX3215		-M50 DPX3220	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
ISO	RE	Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
	mm		£		£		£		£		£		£		£		£		£
11T304SR	0.4					51 037 004	9.59	51 037 104	9.59					51 037 404	9.59	51 037 504	9.59		
11T308SR	0.8	51 037 258	9.59	51 037 058	9.59	51 037 008	9.59	51 037 108	9.59	51 037 208	9.59	51 037 308	9.59	51 037 408	9.59	51 037 508	9.59	51 037 608	9.59
11T312SR	1.2					51 037 012	9.59							51 037 412	9.59				
11T320SR	2.0					51 037 020 ¹⁾	9.59	51 037 120 ¹⁾	9.59					51 037 420 ¹⁾	9.59				
11T325SR	2.5					51 037 025 ¹⁾	9.59	51 037 125 ¹⁾	9.59										
11T332SR	3.2													51 037 432 ¹⁾	9.59				
Steel																			
Stainless steel																			
Cast iron																			
Non ferrous metals																			
Heat resistant alloys																			

1) Insert radius >1.6 mm: Modify cutter body



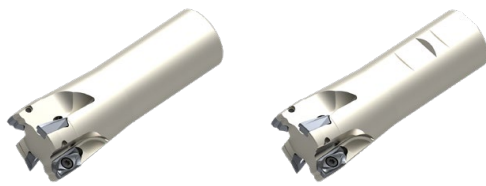
MaxiMill – End milling cutter C 211-15

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



CERATIZIT \ Performance

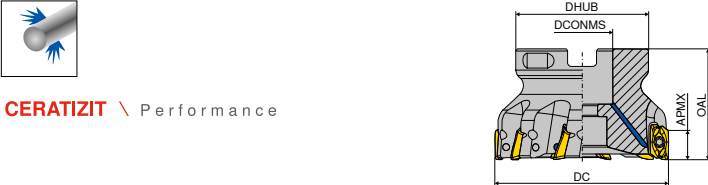
ISO designation	DC	OAL	LH	DCONMS	APMX	RPMX	Insert	ZNF
	mm	mm	mm	mm	mm	1/min.		
C211.25.R.02-15-B20-32	25	83	32	20	14	26560	XD.T 1505	2
C211.25.R.02-15-A-32	25	90	32	25	14	26560	XD.T 1505	2
C211.25.R.02-15-B-32	25	90	32	25	14	26560	XD.T 1505	2
C211.25.R.02-15-A-50-225	25	225	50	25	14	7520	XD.T 1505	2
C211.32.R.03-15-B25-40	32	96	40	25	14	22160	XD.T 1505	3
C211.32.R.03-15-A-40	32	103	40	32	14	24160	XD.T 1505	3
C211.32.R.03-15-B-40	32	103	40	32	14	24160	XD.T 1505	3
C211.32.R.03-15-A-63-250	32	250	63	32	14	6800	XD.T 1505	3
C211.40.R.04-15-A-50	40	110	50	32	14	22160	XD.T 1505	4
C211.40.R.04-15-B32-50	40	110	50	32	14	22160	XD.T 1505	4
C211.40.R.03-15-A-50-275	40	275	50	32	14	6120	XD.T 1505	3



Article no.	Article no.
50 747 225	50 747 125
50 747 325	50 747 025
50 747 232	50 747 132
50 747 332	50 747 032
50 747 240	50 747 040
50 747 340	

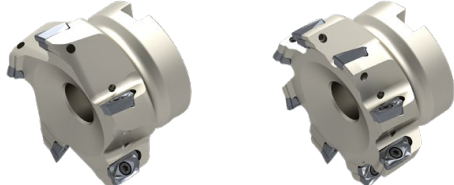
MaxiMill – Shell mill A 211-15

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



CERATIZIT \ Performance

ISO designation	DC	OAL	DCONMS _{H6}	DHUB	APMX	RPMX	Insert	ZNF
	mm	mm	mm	mm	mm	1/min.		
A211.40.R.03-15	40	40	16	38	14	22160	XD.T 1505	3
A211.40.R.04-15	40	40	16	38	14	22160	XD.T 1505	4
A211.50.R.03-15	50	40	22	43	14	20320	XD.T 1505	3
A211.50.R.05-15	50	40	22	43	14	20320	XD.T 1505	5
A211.63.R.04-15	63	45	22	48	14	18640	XD.T 1505	4
A211.63.R.06-15	63	45	22	48	14	18640	XD.T 1505	6
A211.80.R.05-15	80	50	27	58	14	17040	XD.T 1505	5
A211.80.R.08-15	80	50	27	58	14	17040	XD.T 1505	8
A211.100.R.06-15	100	50	32	78	14	15680	XD.T 1505	6
A211.100.R.10-15	100	50	32	78	14	15680	XD.T 1505	10
A211.125.R.07-15	125	63	40	88	14	14320	XD.T 1505	7
A211.125.R.11-15	125	63	40	88	14	14320	XD.T 1505	11
A211.160.R.08-15	160	63	40	93	14	13200	XD.T 1505	8
A211.160.R.12-15	160	63	40	93	14	13200	XD.T 1505	12



Article no.	Article no.
50 748 040	50 749 040
50 748 050	50 749 050
50 748 063	50 749 063
50 748 080	50 749 080
50 748 100	50 749 100
50 748 125	50 749 125
50 748 160	50 749 160

Spare parts

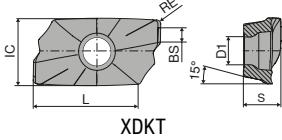
DC

40	£ 2.63	80 397 040	£ 8.67	80 950 128	£ 9.65	70 950 151	£ 2.46	70 950 839
50	£ 3.35	80 397 050	£ 8.67	80 950 128	£ 13.24	70 950 154	£ 2.46	70 950 839
63 - 160							£ 2.46	70 950 839

 Clamping key - T	 Key D	 Power Screw	 Clamping screw
Article no.	Article no.	Article no.	Article no.

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

CERATIZIT \ Performance

ISO	RE	Article no.	Article no.	Article no.
	mm			
150508ER	0.8	51 114 458	50 473 508	50 479 508
150508FR	0.8			
150532ER	3.2	51 114 482 ²⁾	50 473 532 ¹⁾	
150540ER	4.0	51 114 490 ²⁾	50 473 540 ¹⁾	

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



XDKT

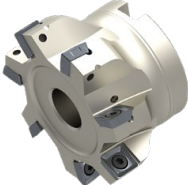
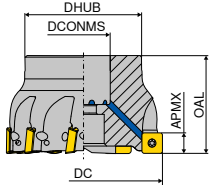
CERATIZIT \ Performance

		-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.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
	mm		£		£		£		£		£		£		£		£		£
150508SR	0.8	51 038 258	12.79	51 038 058	12.79	51 038 008	12.79	51 038 108	12.79	51 038 208	12.79	51 038 308	12.79	51 038 408	12.79	51 038 508	12.79	51 038 608	12.79
150512SR	1.2					51 038 012	12.79	51 038 112	12.79					51 038 412	12.79				
150516SR	1.6					51 038 016	12.79	51 038 116	12.79					51 038 416	12.79				
150520SR	2.0							51 038 120	12.79										
150530SR	3.0					51 038 030	12.79	51 038 130	12.79					51 038 430	12.79				
150540SR	4.0					51 038 040	12.79	51 038 140	12.79					51 038 440	12.79				
Steel		●		●		●		●		○		○		○		○		○	
Stainless steel										●		●		●					
Cast iron																●		●	
Non ferrous metals																			
Heat resistant alloys																			

MaxiMill – Shell mill A 490-12



CERATIZIT \ Performance



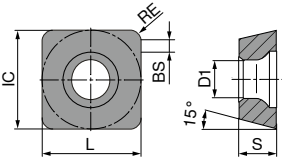
ISO designation	DC	DHUB	DCONMS	OAL	APMX	Insert	ZNF	Article no.	
									£
A490.50.R.05-12	50	43	22	40	11	SD.. 1205..	5	50 703 550	177.23
A490.63.R.06-12	63	48	22	40	11	SD.. 1205..	6	50 703 563	194.96
A490.80.R.07-12	80	58	27	50	11	SD.. 1205..	7	50 703 580	269.23
A490.100.R.08-12	100	75	32	50	11	SD.. 1205..	8	50 703 600	295.73
A490.125.R.10-12	125	88	40	63	11	SD.. 1205..	10	50 703 625	316.96

Spare parts
DC

		Key D		Power Screw		Clamping screw	
		Article no.		Article no.		Article no.	
50 - 125		T20	£ 7.21 80 950 114	M8x30	£ 9.65 70 950 151	M4,5x10,5	£ 1.60 70 950 280

SDMT / SDHT

Designation	IC	D1	L	BS	S
	mm	mm	mm	mm	mm
SDHT 120508F..	12.7	5.5	12.7	2.2	5.00
SDHT 120512S..	12.7	5.5	12.7	1.8	5.00
SDMT 120508E..	12.7	5.5	12.7	3.0	5.00
SDMT 1205ZZS..	12.7	5.5	12.7	0.9	5.00



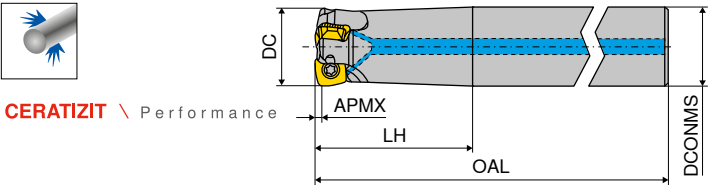
SDMT / SDHT

CERATIZIT \ Performance

		-29 CTCP230		-29 CTPP235		-31 CTCK215		-33 CTPM240		-F50 CTPM245		-M31 CTC5240		-27P H216T	
		-29 DCX1230		-29 DPX1235		-31 DCX3215		-33 DPX2240		-F50 DPX2245		-M31 HCF5240		-ALP CWK26	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN			
		SDMT		SDMT		SDMT		SDHT		SDMT		SDMT		SDHT	
ISO	RE	Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
	mm		£		£		£		£		£		£		£
120508ER	0.8									51 110 458	12.56				
120508FR	0.8											50 580 508	12.56		
120512SR	1.2							51 028 412	12.46					50 426 555	12.46
1205ZZSN	0.8	51 081 020	10.75	51 081 120	10.75	51 059 521	10.40								
Steel		●		●		○		○		●					
Stainless steel										●					
Cast iron														○	
Non ferrous metals														●	
Heat resistant alloys												●			



MaxiMill – End milling cutter C HFC

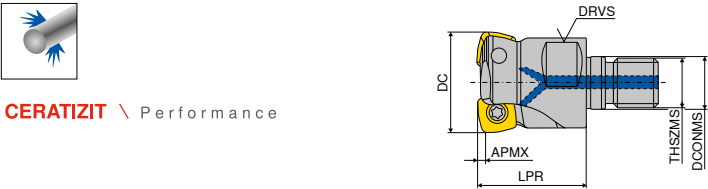


CERATIZIT \ Performance



ISO designation	DC	OAL	LH	DCONMS _{H6}	APMX	RPMX	Insert	ZNF	Article no.	
	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	63.00
CHFC.25.R.03-09-A-50-225	25	225	50	25	1	9000	XDLX 09T3..	3	50 681 125	67.00
CHFC.32.R.03-09-A-63-250	32	250	63	32	1	8100	XDLX 09T3..	3	50 681 032	70.00
CHFC.32.R.02-12-A-63-250	32	250	63	32	2	6480	XOLX 1204..	2	50 681 132	66.00
CHFC.35.R.03-12-A-63-250	35	250	63	32	2	6480	XOLX 1204..	3	50 681 035	70.00

MaxiMill – Screw in cutter G HFC

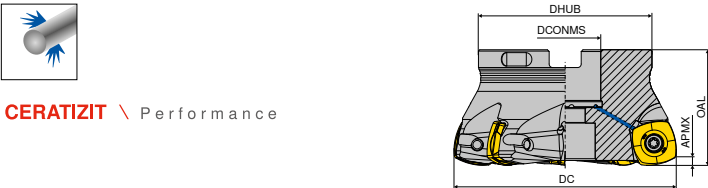


CERATIZIT \ Performance

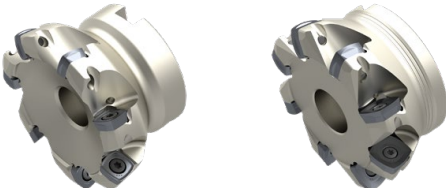


ISO designation	DC	LPR	DCONMS	THSZMS	DRVS	APMX	RPMX	Insert	ZNF	Article no.	
	mm	mm	mm		mm	mm	1/min.				£
GHFC.25.R.02-09	25	35	12.5	M12	17	1	30000	XDLX 09T3..	2	50 682 025	63.00
GHFC.25.R.03-09	25	35	12.5	M12	17	1	30000	XDLX 09T3..	3	50 682 125	67.00
GHFC.32.R.03-09	32	35	17.0	M16	24	1	27000	XDLX 09T3..	3	50 682 032	70.00
GHFC.32.R.02-12	32	35	17.0	M16	24	2	21600	XOLX 1204..	2	50 682 132	66.00
GHFC.35.R.03-12	35	35	17.0	M16	24	2	21360	XOLX 1204..	3	50 682 035	70.00

MaxiMill – Shell mill A HFC



CERATIZIT \ Performance



ISO designation	DC	OAL	DCONMS _{H6}	DHUB	APMX	RPMX	Insert	ZNF	Article no.		Article no.	
	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	70.00		
AHFC.35.R.04-09	35	40	16	38	1.0	26700	XDLX 09T3..	4	50 683 035	75.00		
AHFC.40.R.04-09	40	40	16	38	1.0	26400	XDLX 09T3..	4	50 683 140	78.00		
AHFC.42.R.05-09	42	40	16	38	1.0	26100	XDLX 09T3..	5	50 683 142	83.00		
AHFC.50.R.05-09	50	40	22	43	1.0	23500	XDLX 09T3..	5	50 683 150	92.00		
AHFC.52.R.06-09	52	40	22	43	1.0	23000	XDLX 09T3..	6	50 683 152	96.00		
AHFC.63.R.06-09	63	40	22	48	1.0	20500	XDLX 09T3..	6	50 683 163	106.00		
AHFC.40.R.03-12	40	40	16	38	2.0	21120	XOLX 1204..	3	50 683 040	73.00		
AHFC.42.R.04-12	42	40	16	38	2.0	20880	XOLX 1204..	4	50 683 042	78.00		
AHFC.50.R.04-12	50	40	22	43	2.0	18800	XOLX 1204..	4	50 683 050	87.00		
AHFC.52.R.05-12	52	40	22	43	2.0	18400	XOLX 1204..	5	50 683 052	92.00		
AHFC.63.R.05-12	63	40	22	48	2.0	16400	XOLX 1204..	5	50 683 063	101.00		
AHFC.66.R.06-12	66	40	22	48	2.0	16000	XOLX 1204..	6	50 683 066	106.00		
AHFC.80.R.07-12	80	50	27	58	2.0	14000	XOLX 1204..	7	50 683 080	119.00		
AHFC.100.R.08-12	100	50	32	78	2.0	12000	XOLX 1204..	8	50 683 100	133.00		
AHFC.63.R.05-19	63	40	22	48	3.3	5500	XOLX 1906..	5			50 683 263	106.00
AHFC.80.R.06-19	80	50	27	58	3.3	4700	XOLX 1906..	6			50 683 280	128.00
AHFC.100.R.08-19	100	52	32	78	3.3	4100	XOLX 1906..	8			50 683 300	153.00
AHFC.125.R.10-19	125	63	40	88	3.3	3600	XOLX 1906..	10			50 683 325	192.00
AHFC.160.R.11-19	160	63	40	98	3.3	3100	XOLX 1906..	11			50 683 360 ¹⁾	232.00

1) With threaded holes M12 on the front face, pitch circle diameter = 66.7 mm

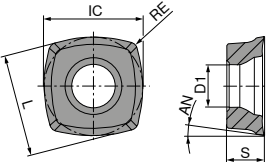
Spare parts

Spare parts	 Key D			 Power Screw			 Clamping screw		
	Article no.			Article no.			Article no.		
		£			£			£	
XDLX 09T3..	T15	6.74	80 950 113				M3,5x7,2	2.42	70 950 110
XDLX 09T3.. (Ø32 – Ø42)	T15	6.74	80 950 113	M8x30	9.65	70 950 151	M3,5x7,2	2.42	70 950 110
XOLX 1204..	T20	7.21	80 950 114				M4,5x10,5	1.60	70 950 280
XOLX 1204.. (Ø40 – Ø42)	T20	7.21	80 950 114	M8x30	9.65	70 950 151	M4,5x10,5	1.60	70 950 280
XOLX 1906..	T20	7.21	80 950 114				M5x14	3.16	70 950 302



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	
	mm	-M50 DCX1220		-M50 DPX1225		-M50 DCX1230		-M50 DPX1235	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		XDLX		XDLX		XDLX		XDLX	
		Article no.		Article no.		Article no.		Article no.	
09T308SR	0.8	51 016 258	£ 8.67	51 016 058	£ 8.67	51 016 008	£ 8.67	51 016 108	£ 8.67
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	
	mm	-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	
		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
09T308ER	0.8	51 115 458	£ 10.47	51 016 208	£ 8.67	51 016 308	£ 8.67	51 016 408	£ 8.67	51 016 458	£ 10.47	51 016 508	£ 8.67	50 503 558	£ 10.47
09T308SR	0.8														
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	
	mm	-M50 DCX1220		-M50 DPX1225		-M50 DCX1230		-M50 DPX1235		-R50 DPX1235	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		XOLX		XOLX		XOLX		XOLX		XOLX	
		Article no.		Article no.		Article no.		Article no.		Article no.	
120410SR	1.0	51 017 260	£ 10.40	51 017 060	£ 10.40	51 017 010	£ 10.40	51 017 110	£ 10.40	51 018 110	£ 10.40
Steel Stainless steel Cast iron Non ferrous metals Heat resistant alloys											

XOLX

CERATIZIT \ Performance

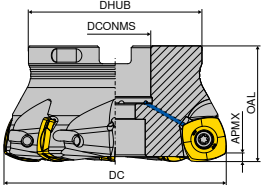
ISO	RE	-F40 CTPM245		-M50 CTPM225		-M50 CTCM235		-M50 CTPM240		-M50 CTPM245		-M50 CTCK215		-F40 CTC5240	
	mm	-F40 DPX2245		-M50 DPX2225		-M50 DCX2235		-M50 DPX2240		-M50 DPX2245		-M50 DCX3215		-F40 HCF5240	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		XOLX		XOLX		XOLX		XOLX		XOLX		XOLX		XOLX	
		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
120410ER	1.0	51 022 460	£ 12.25	51 017 210	£ 10.40	51 017 310	£ 10.40	51 017 410	£ 10.40	51 017 460	£ 12.25	51 017 510	£ 10.40	50 504 558	£ 12.25
120410SR	1.0														
Steel Stainless steel Cast iron Non ferrous metals Heat resistant alloys															



MaxiMill – Shell mill A HFC



CERATIZIT \ Performance



ISO designation	DC	OAL	DCONMS _{H6}	DHUB	APMX	RPMX	Insert	ZNF
	mm	mm	mm	mm	mm	1/min.		
AHFC.63.R.05-19	63	40	22	48	3.3	5500	XOLX 1906..	5
AHFC.80.R.06-19	80	50	27	58	3.3	4700	XOLX 1906..	6
AHFC.100.R.08-19	100	52	32	78	3.3	4100	XOLX 1906..	8
AHFC.125.R.10-19	125	63	40	88	3.3	3600	XOLX 1906..	10
AHFC.160.R.11-19	160	63	40	98	3.3	3100	XOLX 1906..	11

Article no.	
	£
50 683 263	106.00
50 683 280	128.00
50 683 300	153.00
50 683 325	192.00
50 683 360 ¹⁾	232.00

1) With threaded holes M12 on the front face, pitch circle diameter = 66.7 mm

Spare parts

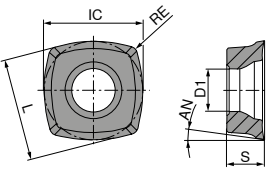
Insert

XOLX 1906..

		
TORX® blade	Key D	Clamping screw
Article no.	Article no.	Article no.
£ 3.68 80 950 037	£ 7.21 80 950 114	£ 3.16 70 950 302

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	Article no.		Article no.	
	mm				
190615ER	1.5	51 022 465	£ 18.59	50 504 515	£ 18.59
Steel Stainless steel Cast iron Non ferrous metals Heat resistant alloys					

-F40
CTPM245

-F40
DPX2245

DRAGONSKIN



XOLX

-F40
CTC5240

-F40
HCF5240

DRAGONSKIN



XOLX

XOLX

CERATIZIT \ Performance

ISO	RE	Article no.		Article no.		Article no.		Article no.	
	mm								
190615SR	1.5	51 017 015	£ 15.11	51 017 115	£ 15.11	51 017 415	£ 15.11	51 017 515	£ 15.11
Steel Stainless steel Cast iron Non ferrous metals Heat resistant alloys									

-M50
CTCP230

-M50
DCX1230

DRAGONSKIN



XOLX

-M50
CTPP235

-M50
DPX1235

DRAGONSKIN



XOLX

-M50
CTPM240

-M50
DPX2240

DRAGONSKIN



XOLX

-M50
CTCK215

-M50
DCX3215

DRAGONSKIN

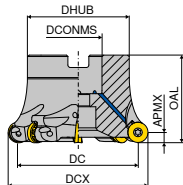


XOLX

MaxiMill – Shell mill A 251 RS



CERATIZIT \ Performance



ISO designation	DCX	DC	OAL	APMX	DHUB	DONMS _{H6}	RPMX	Insert	ZNF	Article no.	
	mm	mm	mm	mm	mm	mm	1/min.			50 686 240	£
A251.40.R.03-10-RS	40	30	40	5	38	16	15900	RPX 10T3..	3	50 686 240	143.46
A251.40.R.05-10-RS	40	30	40	5	38	16	16000	RPX 10T3..	5	50 686 140	161.68
A251.42.R.06-10-RS	42	32	40	5	38	16	16000	RPX 10T3..	6	50 686 142	185.82
A251.50.R.04-10-RS	50	40	40	5	43	22	12700	RPX 10T3..	4	50 686 350	157.55
A251.50.R.06-10-RS	50	40	40	5	43	22	12500	RPX 10T3..	6	50 686 150	192.28
A251.52.R.06-10-RS	52	42	40	5	43	22	12500	RPX 10T3..	6	50 686 152	192.28
A251.40.R.04-12-RS	40	28	40	6	38	16	15900	RPX 1204..	4	50 686 340	148.73
A251.50.R.04-12-RS	50	38	40	6	43	22	12700	RPX 1204..	4	50 686 250	153.50
A251.50.R.05-12-RS	50	38	40	6	43	22	12500	RPX 1204..	5	50 686 050	180.50
A251.63.R.06-12-RS	63	51	40	6	48	22	10000	RPX 1204..	6	50 686 063	222.87
A251.80.R.05-12-RS	80	68	50	6	58	27	7950	RPX 1204..	5	50 686 180	203.41
A251.80.R.07-12-RS	80	68	50	6	58	27	8000	RPX 1204..	7	50 686 080	251.41
A251.100.R.06-12-RS	100	88	50	6	78	32	6350	RPX 1204..	6	50 686 100	227.00
A251.100.R.10-12-RS	100	88	50	6	78	32	6350	RPX 1204..	10	50 686 200	331.64



Clamping key - T



Key D



Power Screw



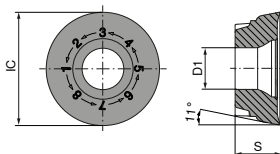
Clamping screw

Spare parts

Insert		£			£			£		£		
RPX 10T3..	SW4	2.63	80 397 040	T10	6.63	80 950 112	M8x30	9.65	70 950 151	M3x7,3	1.99	70 950 840
RPX 1204..	SW4	2.63	80 397 040	T15	6.74	80 950 113	M8x30	9.65	70 950 151	M3,5x8,6	2.42	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.	Article no.	Article no.	Article no.	Article no.	Article no.	Article no.	Article no.
1204M8EN	51 051 125	51 051 225	51 051 325	51 051 425	51 049 225	51 049 325	51 049 425	51 050 425
1204M8SN	£ 9.59	£ 9.59	£ 9.59	£ 9.59	£ 9.59	£ 9.59	£ 9.59	£ 9.59
Steel	●	○	○	○	○	○	○	○
Stainless steel	○	●	●	●	●	●	●	●
Cast iron								
Non ferrous metals								
Heat resistant alloys								

RPHX

CERATIZIT \ Performance

ISO	-SN CTPM225		-F50 CTPM245		-M50 CTPM245		-SN CTCK215		-M31 CTC5240		-27P H216T	
	Article no.	£	Article no.	£	Article no.	£	Article no.	£	Article no.	£	Article no.	£
10T3M4SN	51 052 225	9.59	51 051 470	11.04	51 050 470	11.04	51 052 525	9.59	50 493 551	11.04	50 483 602	11.07
10T3M8EN												
10T3M8SN												
1204M4SN	51 052 225	9.59	51 051 477	12.17	51 050 475	12.17	51 050 476	12.17	50 493 582	12.17	50 483 602	11.07
1204M6SN												
1204M8EN												
1204M8FN	51 052 225	9.59	51 051 477	12.17	51 050 477	12.17	51 052 525	9.59	50 493 582	12.17	50 483 602	11.07
1204M8SN												
Steel	○		●		●		○				○	
Stainless steel	●		●		●		●					
Cast iron												
Non ferrous metals												
Heat resistant alloys									●		●	

1) Insert with 4 indexes

Technical support: 0800 073 2 075

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

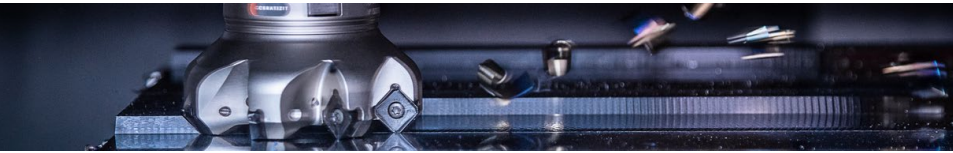


Order by 6:30 pm and get free,
guaranteed before 12 noon, next day delivery



New system size for more economy

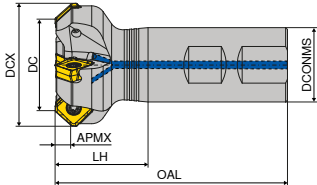
Efficiency, process security and flexibility. That's what MaxiMill 271 stands for. The extremely soft-cutting tool system can be used in a wide range of applications thanks to the fine and standard pitch holders, while the wiper insert also helps achieve first-class finishes. Furthermore, the system 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
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MaxiMill – End milling cutter C 271-12



ISO designation	DC	DCX	ZNF	APMX	OAL	LH	DCONMS _{H6}	RPMX	torque moment Nm	Insert	NEW Article no.	£
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	251.98
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	314.97

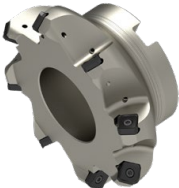
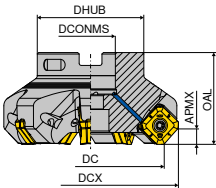
Spare parts
DC

32 - 40

 Clamping screw	 Torque screwdriver
Article no.	Article no.
£	£
2.42	67.73
70 950 859	80 021 032

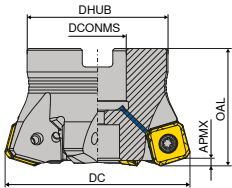
MaxiMill – A 271-12 Face mill

▲ 8 cutting edges per insert



ISO designation	DC	DCX	ZNF	APMX	OAL	DHUB	DCONMS _{H6}	RPMX	torque moment Nm	Insert	NEW Article no.	£
A271.40.R.04-12	40	53	4	6.8	40	38	16	17900	3,2	SOHU 1204.. / XOHU 1204..	50 787 04004	314.97
A271.50.R.05-12	50	63	5	6.8	40	43	22	15200	3,2	SOHU 1204.. / XOHU 1204..	50 787 05005	322.85
A271.63.R.07-12	63	76	7	6.8	40	48	22	13100	3,2	SOHU 1204.. / XOHU 1204..	50 787 06307	409.47
A271.80.R.06-12	80	93	6	6.8	50	58	27	11300	3,2	SOHU 1204.. / XOHU 1204..	50 787 08006	409.47
A271.80.R.08-12	80	93	8	6.8	50	58	27	11300	3,2	SOHU 1204.. / XOHU 1204..	50 787 08008	472.45
A271.100.R.07-12	100	113	7	6.8	63	78	32	9900	3,2	SOHU 1204.. / XOHU 1204..	50 787 10007	519.66
A271.100.R.10-12	100	113	10	6.8	63	78	32	9900	3,2	SOHU 1204.. / XOHU 1204..	50 787 10010	590.60
A271.125.R.08-12	125	138	8	6.8	63	88	40	8700	3,2	SOHU 1204.. / XOHU 1204..	50 787 12512	724.43
A271.125.R.12-12	125	138	12	6.8	63	88	40	8700	3,2	SOHU 1204.. / XOHU 1204..	50 787 16014	850.77
A271.160.R.09-12	160	173	9	6.8	63	98	40	7600	3,2	SOHU 1204.. / XOHU 1204..	50 787 20017	1,037.77
A271.160.R.14-12	160	173	14	6.8	63	98	40	7600	3,2	SOHU 1204.. / XOHU 1204..	50 787 25021	1,298.18
A271.200.R.11-12	200	213	11	6.8	63	132	60	6700	3,2	SOHU 1204.. / XOHU 1204..	50 787 08007	472.45
A271.200.R.17-12	200	213	17	6.8	63	132	60	6700	3,2	SOHU 1204.. / XOHU 1204..	50 787 25013	1,105.00
A271.250.R.13-12	250	263	13	6.8	63	132	60	6000	3,2	SOHU 1204.. / XOHU 1204..		
A271.250.R.21-12	250	263	21	6.8	63	132	60	6000	3,2	SOHU 1204.. / XOHU 1204..		

MaxiMill – A 271-12 HFC Face mill



ISO designation	DC	ZNF	APMX	OAL	DHUB	DCONMS _{H6}	RPMX	torque moment Nm	Insert	NEW Article no.	£
A271.50.R.04-12-HFC	50	4	2.6	40	43	22	14600	3,2	SOHU 1204..	50 788 05004	322.85
A271.63.R.06-12-HFC	63	6	2.6	40	48	22	12500	3,2	SOHU 1204..	50 788 06306	409.47
A271.80.R.07-12-HFC	80	7	2.6	50	58	27	10800	3,2	SOHU 1204..	50 788 08007	472.45

Spare parts

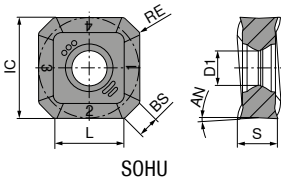
40 (5078704004)
50 - 250
50 (5078805004)

 Clamping key - T	 Power Screw	 Clamping screw	 Torque screwdriver
Article no.	Article no.	Article no.	Article no.
£	£	£	£
2.63	9.65	2.42	67.73
80 397 040	70 950 151	70 950 859	80 021 032
3.35	13.24	2.42	67.73
80 397 050	70 950 154	70 950 859	80 021 032



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

CERATIZIT \ Performance

-M50
CTPM240

-M50
CTPP235

-M50
CTCM235

-M50
CTCP230

DRAGONSKIN

DRAGONSKIN

DRAGONSKIN

DRAGONSKIN



SOHU

SOHU

SOHU

SOHU

NEW

NEW

NEW

NEW

Article no.

Article no.

Article no.

Article no.

ISO	RE				
	mm		£	£	£
1204ABSR	0.8	51 138 42000	17.58	51 138 12000	17.58
Steel		○		●	
Stainless steel		●		○	
Cast iron					
Non ferrous metals					
Heat resistant alloys					

SOHU

CERATIZIT \ Performance

-F50
CTC5240

-R50
CTPK220

-R50
CTCK215

-F50
CTPM245

DRAGONSKIN

DRAGONSKIN

DRAGONSKIN

DRAGONSKIN



SOHU

SOHU

SOHU

SOHU

NEW

NEW

NEW

NEW

Article no.

Article no.

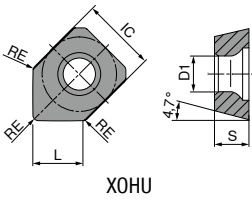
Article no.

Article no.

ISO	RE				
	mm		£	£	£
1204ABSR	0.8	51 140 17000	24.50	51 139 62000	17.58
Steel				○	
Stainless steel					●
Cast iron				●	
Non ferrous metals					
Heat resistant alloys		●			

XOHU

Designation	IC	D1	L	BS	S
	mm	mm	mm	mm	mm
XOHU 1204..	13.36	4.4	8.8	1.83	5.00

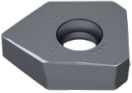


XOHU

CERATIZIT \ Performance

-M50
CTPP235

DRAGONSKIN



XOHU

NEW

Article no.

ISO	RE		
	mm		£
1204ABSR	0.8	51 141 12000	21.76
Steel			●
Stainless steel			○
Cast iron			
Non ferrous metals			
Heat resistant alloys			

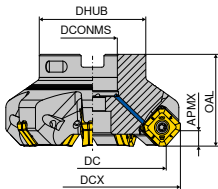


MaxiMill – A 271 Face mill

▲ 8 cutting edges per insert



CERATIZIT \ Performance



ISO designation	DC	OAL	APMX	DCX	DCONMS	DHUB	Insert	ZNF
	mm	mm	mm	mm	mm	mm		
A271.50.R.04-17	50	40	8.4	66.1	22	43	SAKU 1706	4
A271.63.R.06-17	63	40	8.4	79.1	22	48	SAKU 1706	6
A271.80.R.07-17	80	50	8.4	96.1	27	58	SAKU 1706	7
A271.100.R.08-17	100	50	6.8	116.1	32	78	SAKU 1706	8
A271.125.R.10-17	125	63	8.4	141.1	40	88	SAKU 1706	10

Article no.	
	£
50 767 050	180.78
50 767 063	254.05
50 767 080	290.68
50 767 100	334.68
50 767 125	385.91

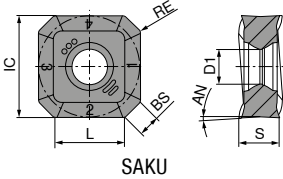
Spare parts
DC

50- 125

		
TORX® blade	Key D	Clamping screw
Article no.	Article no.	Article no.
£ 3.68 80 950 037	£ 7.21 80 950 114	£ 3.16 70 950 302

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



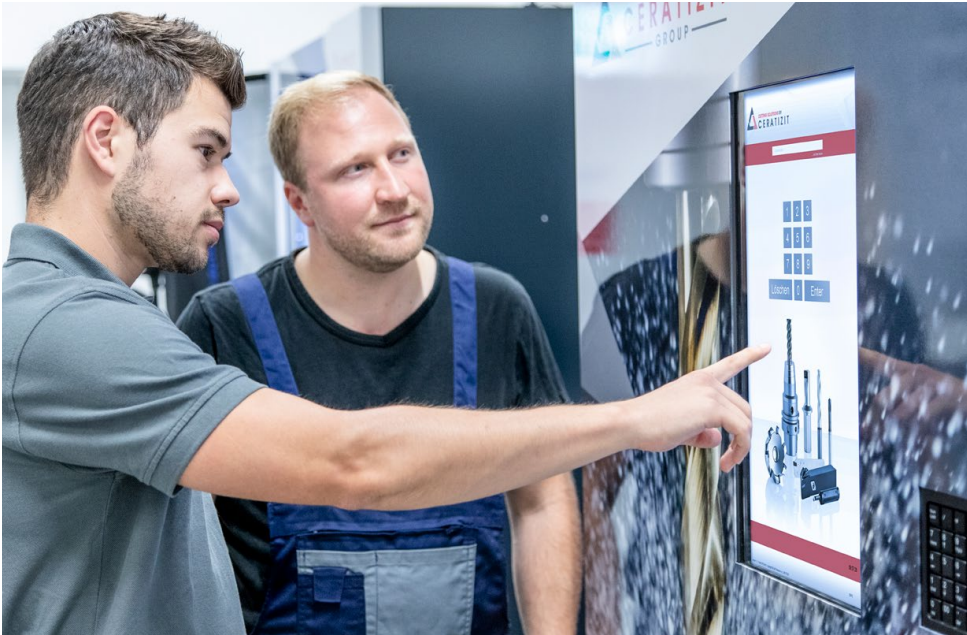
SAKU

CERATIZIT \ Performance

ISO	RE	-F50 CTCP220		-F50 CTPP225		-F50 CTCP230		-F50 CTPP235	
	mm	-F50 DCX1220	DRAGONSKIN	-F50 DPX1225	DRAGONSKIN	-F50 DCX1230	DRAGONSKIN	-F50 DPX1235	DRAGONSKIN
1706ABSR	0.8	Article no. 51 004 270	£ 19.86	Article no. 51 004 070	£ 19.86	Article no. 51 004 020	£ 19.86	Article no. 51 004 120	£ 19.86

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

 More inserts can be found on → **Page 79.**



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.



SAKU

CERATIZIT \ Performance

		-F50 CTPM225		-F50 CTCM235		-F50 CTPM240		-F50 CTPM245		-F50 CTC5240	
		-F50 DPX2225		-F50 DCX2235		-F50 DPX2240		-F50 DPX2245		-F50 HCF5240	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		SAKU		SAKU		SAKU		SAKU		SAKU	
ISO	RE	Article no.		Article no.		Article no.		Article no.		Article no.	
	mm		£		£		£		£		£
1706ABSR	0.8	51 004 220	19.86	51 004 320	19.86	51 004 420	19.86	51 004 470	24.44	50 306 520	24.44
Steel		○		○		○		●			
Stainless steel		●		●		●		●			
Cast iron											
Non ferrous metals											
Heat resistant alloys										●	

SAKU

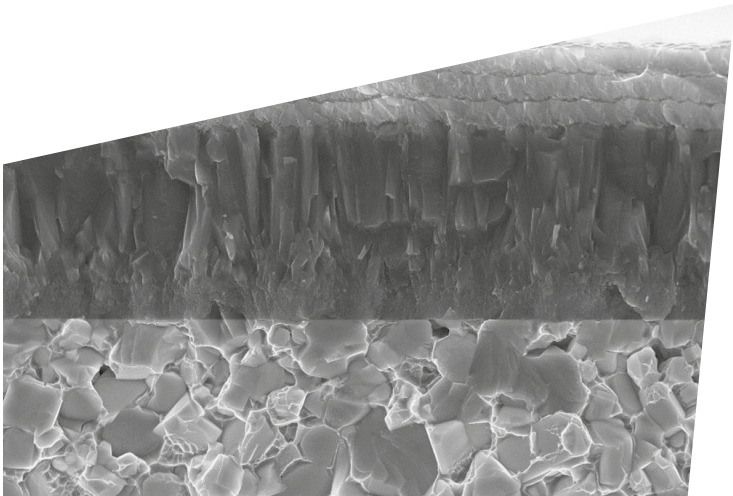
CERATIZIT \ Performance

		-M50 CTCP220		-M50 CTPP225		-M50 CTCP230		-M50 CTPP235	
		-M50 DCX1220		-M50 DPX1225		-M50 DCX1230		-M50 DPX1235	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		SAKU		SAKU		SAKU		SAKU	
ISO	RE	Article no.		Article no.		Article no.		Article no.	
	mm		£		£		£		£
1706ABSR	0.8	51 005 270	19.86	51 005 070	19.86	51 005 020	19.86	51 005 120	19.86
Steel		●		●		●		●	
Stainless steel						○		○	
Cast iron									
Non ferrous metals									
Heat resistant alloys									

SAKU

CERATIZIT \ Performance

		-M50 CTPM225		-M50 CTCM235		-M50 CTPM240		-M50 CTCK215		-M50 CTPK220		-R50 CTCK215		-R50 CTPK220	
		-M50 DPX2225		-M50 DCX2235		-M50 DPX2240		-M50 DCX3215		-M50 DPX3220		-R50 DCX3215		-R50 DPX3220	
		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN		DRAGONSKIN	
		SAKU		SAKU		SAKU		SAKU		SAKU		SAKU		SAKU	
ISO	RE	Article no.		Article no.		Article no.		Article no.		Article no.		Article no.		Article no.	
	mm		£		£		£		£		£		£		£
1706ABSR	0.8	51 005 220	19.86	51 005 320	19.86	51 005 420	19.86	51 005 520	19.86	51 005 620	19.86	51 058 520	19.86	51 058 620	19.86
Steel		○		○		○		○		○		○		○	
Stainless steel		●		●		●									
Cast iron								●		●		●		●	
Non ferrous metals															
Heat resistant alloys															



Dragonskin Coating

DRAGONSKIN

The coatings for the highest performance

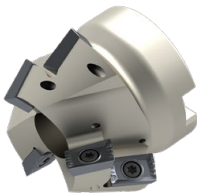
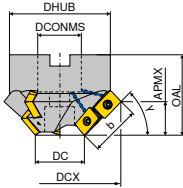
The product category Dragonskin is intended to help make tools easily recognizable and quick to find using CERATIZIT's high-performance coating technology. All products that are marked with the Dragonskin icon represent unmatched performance, maximum tool life and maximum process reliability.

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



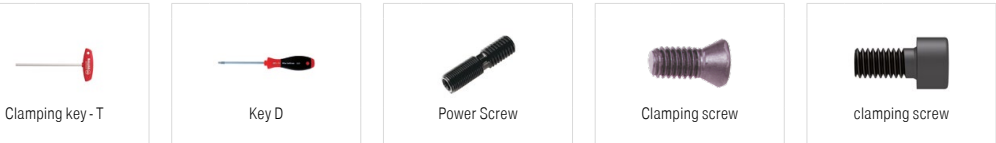
KAPR	ZEFP	DCX $\pm 0,3$	DC	b $\pm 0,3$ mm	OAL	APMX $\pm 0,3$	DCONMS	DHUB	ZNP	Insert	ZNF
°		mm	mm		mm	mm	mm	mm			
15	6	92.2	35	29.6	50	7.6	27	62.5	2	LD.. 1504..	3
30	6	86.3	35	29.6	50	14.8	27	62.5	2	LD.. 1504..	3
45	6	76.9	35	29.6	50	20.9	27	62.5	2	LD.. 1504..	3
60	6	64.6	35	29.6	50	25.6	22	62.5	2	LD.. 1504..	3
75	6	50.3	35	29.6	60	28.5	22	49.0	2	LD.. 1504..	3

Article no.	
	£
50 768 015	171.09
50 768 030	171.09
50 768 045	171.09
50 768 060 ¹⁾	171.09
50 768 075 ¹⁾	171.09

1) Version with Powerscrew

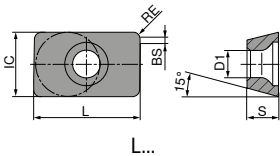
Spare parts
KAPR

15 - 45	£		£	80 950 113	£		£	70 950 304	£	83 950 125
60 - 75	3.35	80 397 050	6.74	80 950 113	13.24	70 950 154	2.42	70 950 304	3.88	



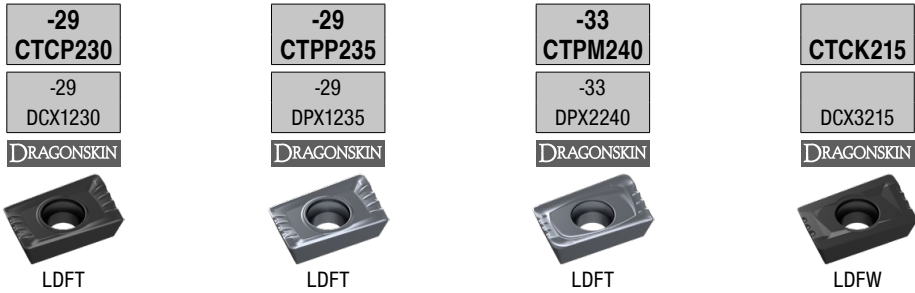
LDFT / LDFW

Designation	IC	D1	L	BS	S
	mm	mm	mm	mm	mm
LDF. 1504PD..	9.52	4.4	15	1.2	4.76
LDFT 1504PD..	9.52	4.4	15	0.8	4.76



LDFT / LDFW

CERATIZIT \ Performance

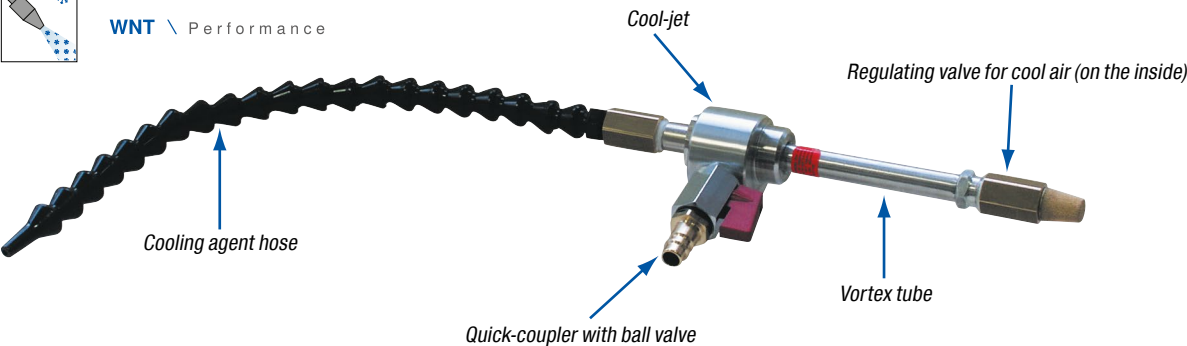


ISO	Article no.	£	Article no.	£	Article no.	£	Article no.	£
1504PDSR	51 079 020	13.04	51 079 120	13.04	51 042 420	12.46	51 043 520	10.89
Steel	●		●		○		○	
Stainless steel	○		○		●		●	
Cast iron								
Non ferrous metals								
Heat resistant alloys								

Cool-jet



WNT \ Performance



Cool-jet	Article no.	£
3-7 bar air pressure, at -46 °C	81 900 100	662.85

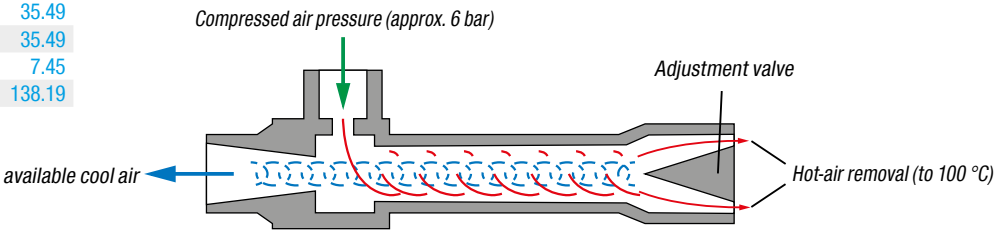
Accessories	Article no.	£
Magnetic plate Ø 80 mm without clamping arm	81 900 101	35.49
Spare tube, length 300 mm	81 900 104	35.49
Jet silencer (air filter)	81 900 105	7.45
Complete set (with magnetic set and clamping arm), weight 0,4 kg	81 900 107	138.19

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)



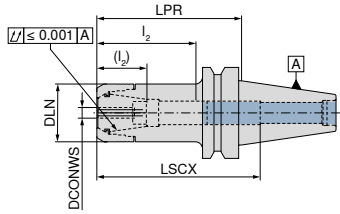
ER Precision Collet chuck – Centro-P

- ▲ for standard or sealed nuts
- ▲ maximum size collet to ISO tolerance field H10
- ▲ for clamping a roll key is required
- ▲ p_{max} = 80 bar

Scope of supply:

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





AD

G 2,5 n_{max} 25000

Adapter	DCONWS	LPR	DLN	LSCX	l ₂ (l ₂)	for collet	Article no.	
	mm	mm	mm	mm	mm			£
BT 40	1 - 10	75	30	90	38 - 53 (29 - 39)	426E (ER16)	84 524 210	76.80
BT 40	1 - 10	90	30	120	30 - 50 (29 - 36)	426E (ER16)	84 524 310	91.01
BT 40	1 - 10	120	30	140	29 - 45 (29 - 35)	426E (ER16)	84 524 410	123.92
BT 40	1 - 10	150	30	180	29 - 45 (29 - 32)	426E (ER16)	84 524 510	133.60
BT 40	2 - 16	60	40	92	44 - 64 (36 - 46)	430E (ER25)	84 524 116	87.14
BT 40	2 - 16	75	40	100	42 - 59 (36 - 41)	430E (ER25)	84 524 216	76.80
BT 40	2 - 16	90	40	91	42 - 59 (36 - 41)	430E (ER25)	84 524 316	91.01
BT 40	2 - 16	120	40	91	40 - 65 (36 - 47)	430E (ER25)	84 524 416	133.60
BT 40	2 - 16	150	40	100	40 - 64 (36 - 45)	430E (ER25)	84 524 516	143.28
BT 40	2 - 16	200	40	150	40 - 64 (36 - 45)	430E (ER25)	84 524 616	164.58
BT 40	2 - 20	60	50	55	45 - 64 (42 - 46)	470E (ER32)	84 524 120	87.14
BT 40	2 - 20	75	50	100	42 - 76 (42 - 52)	470E (ER32)	84 524 220	76.80
BT 40	2 - 20	90	50	100	42 - 76 (42 - 52)	470E (ER32)	84 524 320	91.01
BT 40	2 - 20	120	50	110	42 - 71 (42 - 53)	470E (ER32)	84 524 420	133.60
BT 40	2 - 20	150	50	110	42 - 71 (42 - 53)	470E (ER32)	84 524 520	143.28

i LSCX = clamping depth without back stop screw for shanks
l₂ = 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

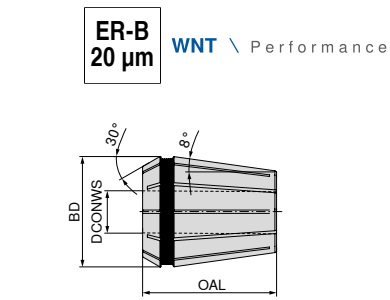




for lock nut	DLN	Article no.	
	mm		£
426E / ER 16 CP	30	84 950 027	60.24
430E / ER 25 CP	40	84 950 054	70.61
470E / ER 32 CP + STD / OZ 462E CP	50	84 950 056	66.20

Precision ER collet for precision collet chuck – Centro-P

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



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		£		£		£
1.0	84 596 010	49.36				
1.1	84 596 011	88.28				
1.2	84 596 012	88.28				
1.4	84 596 014	88.28				
1.5	84 596 015	49.36				
1.6	84 596 016	88.28				
1.8	84 596 018	88.28				
2.0	84 596 020	42.16	84 597 020	43.64	84 598 020	44.64
2.2	84 596 022	78.36				
2.4	84 596 024	78.36				
2.5	84 596 025	42.16	84 597 025	43.64		
2.6	84 596 026	78.36				
2.8	84 596 028	78.36				
3.0	84 596 030	35.71	84 597 030	36.71	84 598 030	37.21
3.2	84 596 032	69.44				
3.4	84 596 034	61.48				
3.5	84 596 035	45.46	84 597 035	47.62		
3.6	84 596 036	69.44				
3.8	84 596 038	69.44				
4.0	84 596 040	35.71	84 597 040	36.71	84 598 040	37.21
4.5	84 596 045	45.46	84 597 045	47.62		
5.0	84 596 050	35.71	84 597 050	36.71	84 598 050	37.21
5.5	84 596 055	45.46	84 597 055	47.62		
5.6	84 596 056	69.44				
6.0	84 596 060	35.71	84 597 060	36.71	84 598 060	37.21
6.3	84 596 063	69.44				
6.5	84 596 065	45.46	84 597 065	47.62		

i Clamping range covered: H10 corresponding to shank Ø DCONWS

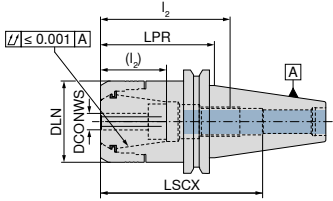
ER Precision Collet chuck – Centro-P

- ▲ for standard or sealed nuts
- ▲ maximum size collet to ISO tolerance field H10
- ▲ for clamping a roll key is required
- ▲ p_{max} = 80 bar

Scope of supply:

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





AD/B

G 2,5 n_{max} 25000

Adapter	DCONWS	LPR	DLN	LSCX	l ₂ (l ₂)	for collet	Article no.	
	mm	mm	mm	mm	mm			£
SK 40	1 - 10	130	30	140	28 - 50 (14 - 34)	426E (ER16)	84 414 510	125.87
SK 40	1 - 10	160	30	200	28 - 45 (16 - 31)	426E (ER16)	84 414 910	138.92
SK 40	2 - 16	45	40	85	35 - 60 (20 - 42)	430E (ER25)	84 414 816	114.31
SK 40	2 - 16	130	40	140	38 - 67 (21 - 49)	430E (ER25)	84 414 516	136.80
SK 40	2 - 16	160	40	118	35 - 60 (20 - 42)	430E (ER25)	84 414 916	144.12
SK 40	2 - 20	130	50	114	50 - 74 (36 - 55)	470E (ER32)	84 414 620	136.80
SK 40	2 - 20	160	50	119	52 - 70 (32 - 52)	470E (ER32)	84 414 920	144.12
SK 50	2 - 20	100	50	150	53 - 81 (35 - 63)	470E (ER32)	84 414 520	234.14
SK 50	2 - 20	160	50	200	53 - 83 (35 - 65)	470E (ER32)	84 414 720	381.39

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

ER Standard lock nut for precision collet chuck





for collet	DCONWS	DLN	TQX	Article no.	
	mm	mm	Nm		£
426E (ER16)	1 - 10	30	50	84 950 001	29.73
430E (ER25)	2 - 16	40	85	84 950 003	33.03
470E (ER32)	2 - 20	50	135	84 950 005	36.33

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		£		£		£
7.0	84 596 070	35.71	84 597 070	36.71	84 598 070	37.21
7.1	84 596 071	69.44				
7.5	84 596 075	45.46	84 597 075	47.62		
8.0	84 596 080	35.71	84 597 080	36.71	84 598 080	37.21
8.5	84 596 085	45.46	84 597 085	47.62		
9.0	84 596 090	35.71	84 597 090	36.71	84 598 090	37.21
9.5	84 596 095	45.46	84 597 095	47.62		
10.0	84 596 100	35.71	84 597 100	36.71	84 598 100	37.21
10.5			84 597 105	47.62		
11.0			84 597 110	36.71	84 598 110	37.21
11.5			84 597 115	47.62		
12.0			84 597 120	36.71	84 598 120	37.21
12.5			84 597 125	47.62		
13.0			84 597 130	36.71	84 598 130	37.21
13.5			84 597 135	47.62		
14.0			84 597 140	36.71	84 598 140	37.21
14.5			84 597 145	47.62		
15.0			84 597 150	36.71	84 598 150	37.21
15.5			84 597 155	47.62		
16.0			84 597 160	36.71	84 598 160	37.21
17.0					84 598 170	37.21
18.0					84 598 180	37.21
19.0					84 598 190	37.21
20.0					84 598 200	37.21

Technical support: 0800 073 2 075

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



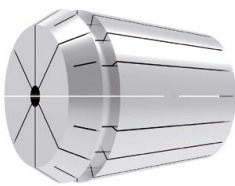
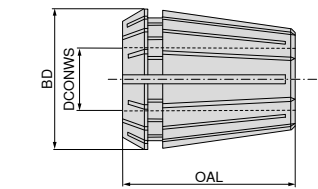


ER precision collet

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

ER-B
20 µm

WNT \ Standard



DCONWS		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.		Article no.		Article no.		Article no.		Article no.	
			£		£		£		£		£
mm											
1		82 673 01000	14.01	82 674 01000 ¹⁾	13.69	82 675 02000 ¹⁾	14.12			82 677 03000	13.33
2		82 673 02000	14.01	82 674 02000 ¹⁾	13.69	82 675 03000	9.75	82 676 03000	10.55	82 677 04000	13.33
3		82 673 03000	11.50	82 674 03000	9.27	82 675 04000	9.75	82 676 04000	10.55	82 677 05000	13.33
4		82 673 04000	11.50	82 674 04000	9.27	82 675 05000	9.75	82 676 05000	10.55	82 677 06000	13.33
5		82 673 05000	11.50	82 674 05000	9.27	82 675 06000	9.75	82 676 06000	10.55	82 677 07000	13.33
6		82 673 06000	11.50	82 674 06000	9.27	82 675 07000	9.75	82 676 07000	10.55	82 677 08000	13.33
7		82 673 07000	11.50	82 674 07000	9.27	82 675 08000	9.75	82 676 08000	10.55	82 677 09000	13.33
8		82 673 08000	11.50	82 674 08000	9.27	82 675 09000	9.75	82 676 09000	10.55	82 677 10000	13.33
9		82 673 09000	11.50	82 674 09000	9.27	82 675 10000	9.75	82 676 10000	10.55	82 677 11000	13.33
10		82 673 10000	11.50	82 674 10000	9.27	82 675 11000	9.75	82 676 11000	10.55	82 677 12000	13.33
11				82 674 11000	9.27	82 675 12000	9.75	82 676 12000	10.55	82 677 13000	13.33
12				82 674 12000	9.27	82 675 13000	9.75	82 676 13000	10.55	82 677 14000	13.33
13				82 674 13000	9.27	82 675 14000	9.75	82 676 14000	10.55	82 677 15000	13.33
14						82 675 15000	9.75	82 676 15000	10.55	82 677 16000	13.33
15						82 675 16000	9.75	82 676 16000	10.55	82 677 17000	13.33
16								82 676 17000	10.55	82 677 18000	13.33
17								82 676 18000	10.55	82 677 19000	13.33
18								82 676 19000	10.55	82 677 20000	13.33
19								82 676 20000	10.55	82 677 21000	13.33
20										82 677 22000	13.33
21										82 677 23000	13.33
22										82 677 24000	13.33
23										82 677 25000	13.33
24										82 677 26000	13.33
25										82 677 99900	310.36
26											
	Set in a wooden box	82 673 99900	184.40	82 674 99900	184.40	82 675 99900	184.40	82 676 99900	197.32		

1) not included in the set

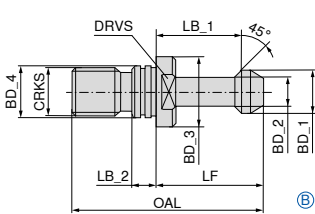
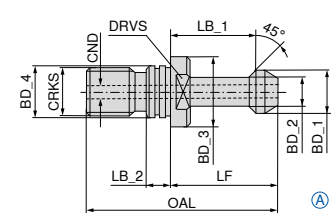
Pull stud for tool holders according to ISO 7388-2

- ▲ 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.		Article no.	
	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	82 530 030	9.52	82 534 030	9.52
BT 30	11	7	16.5	12.5	M12	43	23	18	4.0		13	60	B				
BT 40	15	10	23.0	17.0	M16	60	35	28	5.5	4.0	19	90	A	82 530 040	8.16	82 534 040	9.52
BT 40	15	10	23.0	17.0	M16	60	35	28	5.5		19	90	B				
BT 50	23	17	38.0	25.0	M24	85	45	35	8.0	6.0	30	145	A	82 530 050	11.57	82 534 050	12.25
BT 50	23	17	38.0	25.0	M24	85	45	35	8.0		30	145	B				

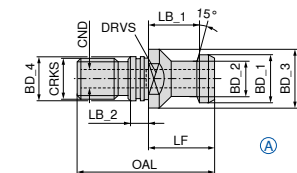
Pull studs for tool holders according to ISO 7388-1

- ▲ 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.		
	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		7.76
SK 40	19	14	23	17	M16	54	26	20	7	7.0	19	90	A			6.61
SK 50	28	21	36	25	M24	74	34	25	10	11.5	30	145	A			9.81

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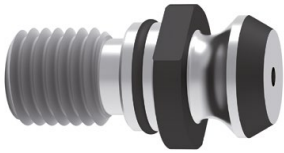
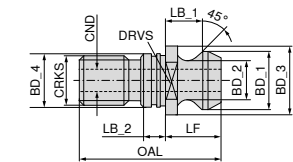
Pull studs for tool holders according to ISO 7388-1

▲ 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

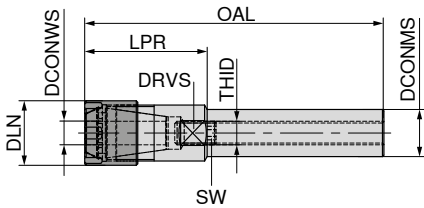


Adapter	BD_1	BD_2	BD_3	BD_4	CRKS	OAL	LF	LB_1	LB_2	CND	DRVS	TQX	Article no.	
	mm	mm	mm	mm		mm	mm	mm	mm	mm	mm	Nm		£
SK 40	18.95	12.95	22.5	17	M16	41.26	16.40	11.15	4.0	6.0	19	90	82 487 040	6.61
SK 50	29.10	19.60	37.0	25	M24	65.50	25.55	17.95	5.5	11.5	30	145	82 487 050	10.36

ER collet chuck with mini clamping nut

▲ with cylindrical shank

WNT \ Standard



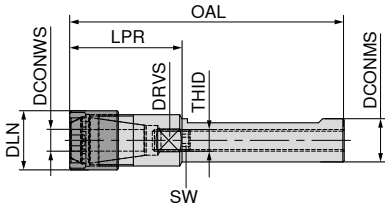
AD

DCONMS _{h6}	DCONWS	OAL	LPR	DLN	THID	DRVS	for collet	Article no.	
mm	mm	mm	mm	mm		mm			£
8	1 - 5	79	24	12		9	4004E (ER08)	83 453 081	67.96
12	1 - 5	155	18	12	M5	10	4004E (ER08)	83 453 122	143.74
16	1 - 7	182	22	16	M7,5x0,5	14	4008E (ER11)	83 453 163	141.22
16	1 - 10	117	37	22	M11x1	17	426E (ER16)	83 453 164	143.74
16	1 - 10	197	37	22	M11x1	17	426E (ER16)	83 453 165	141.22
20	1 - 10	166	25	22	M11x1	17	426E (ER16)	83 453 204	101.29
25	1 - 13	166	37	28	M14x1	22	428E (ER20)	83 453 254	117.18
25	1 - 16	190	40	35	M18x1	27	430E (ER25)	83 453 256	147.62

ER collet chuck with mini clamping nut

▲ with cylindrical shank and clamping flat

WNT \ Standard



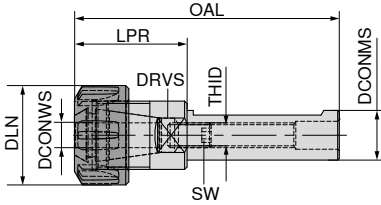
AD

DCONMS _{h6}	DCONWS	OAL	LPR	DLN	THID	DRVS	for collet	Article no.	
mm	mm	mm	mm	mm		mm			£
20	1 - 10	166	25	22	M11x1	17	426E (ER16)	83 454 204	101.29
20	1 - 13	137	37	28	M11x1	22	428E (ER20)	83 454 206	72.83
20	1 - 16	146	46	35	M11x1	27	430E (ER25)	83 454 208	84.91
25	1 - 13	166	28	28	M14x1	22	428E (ER20)	83 454 254	117.18
25	1 - 16	190	40	35	M18x1	27	430E (ER25)	83 454 256	147.62

ER Collet Chuck

▲ with cylindrical shank and clamping flat

WNT \ Standard



AD

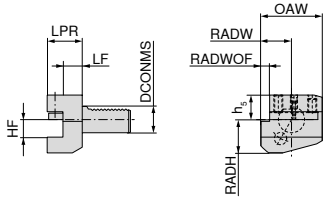
DCONMS _{h6}	DCONWS	OAL	LPR	DLN	THID	DRVS	for collet	Article no.	
mm	mm	mm	mm	mm		mm			£
40	2 - 20	100		50	M22x1,5	36	470E (ER32)	83 455 401	86.28
40	2 - 20	160		50	M22x1,5	36	470E (ER32)	83 455 402	106.54
40	3 - 30	139	59	63	M28x1,5	40	472E (ER40)	83 455 405	98.92

i Note: Spanner to be ordered separately.



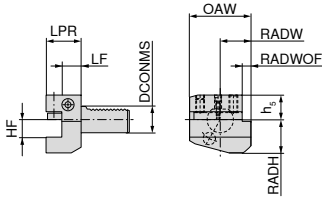
Radial tool holders, short

WNT \ Performance



B2

DCONMS _{h6}	HF _{0/+0,1}	OAW	RADW	RADWOF	h ₅	RADH	LF _{0/+0,5}	LPR
mm	mm	mm	mm	mm	mm	mm	mm	mm
16	12	42	23.0	5.0	20.0	22	13.0	24
20	16	55	30.0	7.0	25.0	30	16.0	30
20	16	55	30.0	7.0	25.0	30	26.0	40
30	20	70	35.0	10.0	28.0	38	18.5	40
30	20	70	35.0	10.0	28.0	38	42.0	60
40	25	85	42.5	12.5	32.5	48	18.5	44
50	32	100	50.0	16.0	35.0	60	30.0	55



B1

B2



Left-hand

Article no.		
	£	
82 189 200	82.93	
82 189 201	108.10	
82 189 300	89.81	
82 189 301	142.00	
82 189 400	91.00	
82 189 500	141.10	

B1

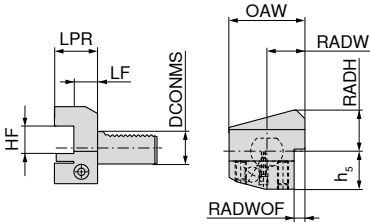


Right-hand

Article no.		
	£	
82 185 160	97.15	
82 185 200	88.53	
82 185 201	102.15	
82 185 300	81.42	
82 185 301	134.76	
82 185 400	83.09	
82 185 500	138.78	

Radial tool holders, overhead, short

WNT \ Performance



B3



Right-hand

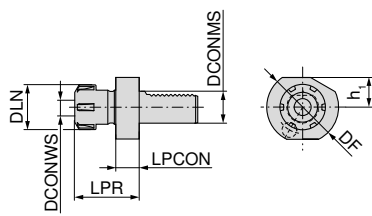
DCONMS _{h6}	HF _{0/+0,1}	OAW	RADW	RADWOF	h ₅	RADH	LF _{0/+0,5}	LPR
mm	mm	mm	mm	mm	mm	mm	mm	mm
16	12	42	23.0	5.0	20.0	22	13.0	24
20	16	55	30.0	7.0	25.0	30	16.0	30
20	16	55	30.0	7.0	25.0	30	26.0	40
25	16	55	30.0	7.0	25.0	30	16.0	30
30	20	70	35.0	10.0	35.0	38	18.5	40
30	20	70	35.0	10.0	35.0	38	42.0	60
40	25	85	42.5	12.5	42.5	48	18.5	44
50	32	100	50.0	16.0	50.0	60	30.0	55

Article no.

£
82 193 160 102.41
82 193 200 88.53
82 193 201 128.53
82 193 250 142.53
82 193 300 83.89
82 193 301 142.00
82 193 400 88.72
82 193 500 141.10

ER Collet chucks

WNT \ Performance



E4



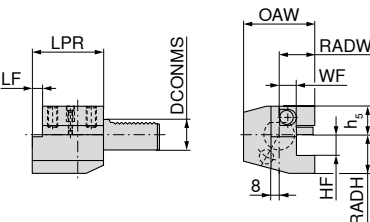
DCONMS _{h6}	DCONWS	DF	DLN	h ₁	LPR	LPCON	for collet
mm	mm	mm	mm	mm	mm	mm	
16	1 - 10	40	28	18.0	45.5	14	426E (ER16)
16	1 - 13	40	34	18.0	44.0	14	428E (ER20)
20	1 - 16	50	42	23.0	57.0	18	430E (ER25)
20	2 - 20	50	50	23.0	62.0	18	470E (ER32)
30	1 - 16	68	42	28.0	57.0	22	430E (ER25)
30	2 - 20	68	50	28.0	75.0	22	470E (ER32)
40	1 - 16	83	42	32.5	63.0	22	430E (ER25)
40	2 - 20	83	50	32.5	75.0	22	470E (ER32)
40	3 - 26	83	63	32.5	75.0	22	472E (ER40)
50	2 - 20	94	50	35.0	75.0	30	470E (ER32)
50	3 - 26	94	63	35.0	63.0	30	472E (ER40)

Article no.

£
82 286 160 140.07
82 286 161 138.61
82 286 202 114.10
82 286 203 119.29
82 286 300 112.62
82 286 301 112.73
82 286 400 122.12
82 286 401 122.12
82 286 402 119.93
82 286 500 177.85
82 286 501 177.85

Axial tool holders

WNT \ Performance



C1



Right-hand

DCONMS _{h6}	HF _{0/+0,1}	OAW	RADW	WF _{0/+0,3}	h ₅	RADH	LPR	LF
mm	mm	mm	mm	mm	mm	mm	mm	mm
20	16	52	27.0	13.0	25.0	30	55	7.0
30	20	70	35.0	17.0	28.0	38	70	10.0
40	25	85	42.5	20.5	32.5	48	85	12.5
50	32	100	50.0	25.5	35.0	60	100	16.0

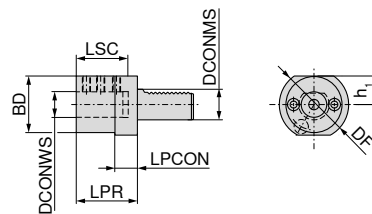
Article no.

£
82 211 200 122.04
82 211 300 94.44
82 211 400 109.86
82 211 500 160.19

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
mm	mm	mm	mm	mm	mm	mm	mm
16	6	40	32	18.0	44	13	34
16	8	40	32	18.0	44	13	34
16	10	40	32	18.0	44	13	34
16	12	40	40	18.0	44	13	34
16	16	40	40	18.0	44	13	34
20	8	50	40	23.0	50	18	41
20	10	50	40	23.0	50	18	41
20	12	50	40	23.0	50	18	41
20	16	50	40	23.0	50	18	41
20	20	50	50	23.0	50	18	41
20	25	50	50	23.0	60	18	51
25	8	58	40	25.0	50	18	41
25	10	58	40	25.0	50	18	41
25	12	58	40	25.0	50	18	41
25	16	58	40	25.0	50	18	41
25	20	58	58	25.0	50	18	41
25	25	58	58	25.0	60	18	51
30	8	68	55	28.0	60	22	51
30	10	68	55	28.0	60	22	51
30	12	68	55	28.0	60	22	51
30	16	68	55	28.0	60	22	51
30	20	68	55	28.0	60	22	51
30	25	68	55	28.0	60	22	51
30	32	68	68	28.0	75	22	61
40	8	83	55	32.5	75	22	61
40	10	83	55	32.5	75	22	61
40	12	83	55	32.5	75	22	61
40	16	83	55	32.5	75	22	61
40	20	83	55	32.5	75	22	61
40	25	83	55	32.5	75	22	61
40	32	83	83	32.5	75	22	61
40	40	83	83	32.5	90	22	76
50	12	98	68	35.0	90	30	76
50	16	98	68	35.0	90	30	76
50	20	98	68	35.0	90	30	76
50	25	98	68	35.0	90	30	76
50	32	98	68	35.0	90	30	76
50	40	98	98	35.0	90	30	76
50	50	98	98	35.0	100	30	86

Article no.

£
82 268 160 120.15
82 268 161 91.69
82 268 162 91.69
82 268 163 91.69
82 268 164 91.69
82 268 200 85.25
82 268 201 85.25
82 268 202 85.25
82 268 203 85.25
82 268 204 85.25
82 268 205 85.25
82 268 250 139.01
82 268 251 139.01
82 268 252 139.01
82 268 253 139.01
82 268 254 139.01
82 268 255 139.01
82 268 300 83.09
82 268 301 83.09
82 268 302 83.09
82 268 303 83.09
82 268 304 83.09
82 268 305 83.09
82 268 306 83.09
82 268 400 84.70
82 268 401 84.70
82 268 402 84.70
82 268 403 84.70
82 268 404 84.70
82 268 405 84.70
82 268 406 84.70
82 268 407 84.70
82 268 500 122.01
82 268 501 122.01
82 268 502 122.01
82 268 503 116.97
82 268 504 116.97
82 268 505 116.97
82 268 506 116.97

1) Coolant supply through pipe joint

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