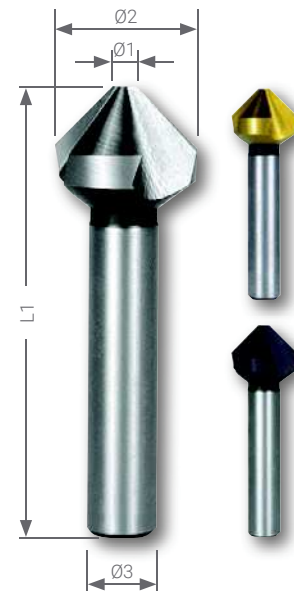











Taper and deburring countersinkers DIN 335 type C 90°







Because of the CBN deep-ground flutes the cutting edges are extremely sharp.
 Ideal for burr- and chatter-free deburring and countersinking.
 Best results at low cutting speeds.








Packing unit: in plastic tubes of 1



 To increase the service life - reduce speed!
 Cooling while countersinking!

						
Steel (N/mm2) < 900	■	□	■	■	■	■
Steel (N/mm2) < 1100			■	□	■	■
Steel (N/mm2) < 1300				□	■	■
Rust-resistant steel			■	□	■	■
Aluminium	■	■	■		■	■

						
Brass	■	□	■	■	■	□
Bronze	□		□	□	□	□
Plastics	■	■	■	■	■	■
Cast iron	□		□	□	□	■
Titanium alloyed						

Ø2 mm	Ø1 mm	L1 mm	Ø3 mm	Countersinkings as per DIN 74								
				AF	BF							
4,3	1,3	40,0	4,0			102 101	—	102 101 E	102 101 T	102 101 F	—	1
4,8	1,5	40,0	4,0			102 102	—	—	102 102 T	102 102 F	—	1
5,0	1,5	40,0	4,0	M 2,5		102 103	—	102 103 E	102 103 T	102 103 F	—	1
5,3	1,5	40,0	4,0			102 104	—	102 104 E	102 104 T	102 104 F	—	1
5,8	1,5	45,0	5,0			102 105	—	—	102 105 T	102 105 F	—	1
6,0	1,5	45,0	5,0	M 3		102 106	—	102 106 E	102 106 T	102 106 F	—	1
6,3	1,5	45,0	5,0		M 3	102 107	102 107 A	102 107 E	102 107 T	102 107 F	102 261	1
7,0	1,8	50,0	6,0	M 3,5		102 108	—	—	102 108 T	102 108 F	—	1
7,3	1,8	50,0	6,0			102 109	—	—	102 109 T	102 109 F	—	1
8,0	2,0	50,0	6,0	M 4		102 110	—	102 110 E	102 110 T	102 110 F	—	1
8,3	2,0	50,0	6,0		M 4	102 111	102 111 A	102 111 E	102 111 T	102 111 F	102 262	1
9,4	2,2	50,0	6,0			102 112	—	—	102 112 T	102 112 F	—	1
10,0	2,5	50,0	6,0	M 5		102 113	—	102 113 E	102 113 T	102 113 F	—	1
10,4	2,5	50,0	6,0		M 5	102 114	102 114 A	102 114 E	102 114 T	102 114 F	102 263	1
11,5	2,8	56,0	8,0	M 6		102 115	—	102 115 E	102 115 T	102 115 F	—	1
12,4	2,8	56,0	8,0		M 6	102 116	102 116 A	102 116 E	102 116 T	102 116 F	102 264	1
13,4	2,9	56,0	8,0			102 117	—	—	102 117 T	102 117 F	—	1
15,0	3,2	60,0	10,0	M 8		102 118	—	102 118 E	102 118 T	102 118 F	—	1
16,5	3,2	60,0	8,0		M 8	102 119	102 119 A	102 119 E	102 119 T	102 119 F	—	1
16,5	3,2	60,0	10,0		M 8	102 119-1	102 119-1 A	102 119-1 E	102 119-1 T	102 119-1 F	102 265	1
19,0	3,5	63,0	10,0	M 10		102 120	—	102 120 E	102 120 T	102 120 F	—	1
20,5	3,5	63,0	10,0		M 10	102 121	102 121 A	102 121 E	102 121 T	102 121 F	102 266	1
23,0	3,8	67,0	10,0	M 12		102 122	—	102 122 E	102 122 T	102 122 F	—	1
25,0	3,8	67,0	10,0		M 12	102 123	102 123 A	102 123 E	102 123 T	102 123 F	102 267	1
26,0	3,9	71,0	12,0	M 14		102 171	—	—	102 171 T	102 171 F	—	1
28,0	4,0	71,0	12,0		M 14	102 124	—	102 124 E	102 124 T	102 124 F	—	1
30,0	4,1	71,0	12,0	M 16		102 172	—	—	102 172 T	102 172 F	—	1
31,0	4,2	71,0	12,0		M 16	102 125	102 125 A	102 125 E	102 125 T	102 125 F	102 268	1
37,0	4,8	90,0	12,0			102 173	—	—	102 173 T	102 173 F	—	1
40,0	10,0	80,0	15,0			102 174	—	—	102 174 T	102 174 F	—	1



Taper and deburring countersinker sets DIN 335 type C 90° HSS, HSSE-Co 5 and tungsten carbide K 20 in steel case

	HSS	HSS	HSSE Co 5	HSS	HSS	TC
5-piece set of taper and deburring countersinkers DIN 335 type C 90° Ø 6,3 - 10,4 - 16,5 - 20,5 - 25,0 mm (Ø 16,5 mm = shank-Ø 10,0 mm)	102 154	102 154 A	102 154 E	102 154 T	102 154 F	—
6-piece set of taper and deburring countersinkers DIN 335 type C 90° Ø 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm (Ø 16,5 mm = shank-Ø 10,0 mm)	102 152	102 152 A	102 152 E	102 152 T	102 152 F	102 152 HM
5-piece set of taper and deburring countersinkers DIN 335 type C 90° Ø 10,4 - 16,5 - 20,5 - 25,0 mm (Ø 16,5 mm = shank-Ø 8,0 mm) + 1 x 30 g tin of cutting paste	102 150	102 150 A	102 150 E	102 150 T	—	—
5-piece set of taper and deburring countersinkers DIN 335 type C 90° Ø 8,3 - 10,4 - 16,5 - 20,5 mm (Ø 16,5 mm = shank-Ø 8,0 mm) + 1 x 30 g tin of cutting paste	102 151	102 151 A	102 151 E	102 151 T	—	—

Taper and deburring countersinker sets DIN 335 type C 90° HSS in wooden case

17-piece set of taper and deburring countersinkers DIN 335 type C 90° Ø 4,3 - 5,0 - 6,0 - 6,3 - 7,0 - 8,0 - 8,3 - 10,0 - 10,4 - 11,5 - 12,4 - 15,0 - 16,5 - 19,0 - 20,5 - 23,0 - 25,0 mm (Ø 16,5 mm = shank-Ø 10,0 mm) in wooden case	102 155	—	—	—	—	—
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