

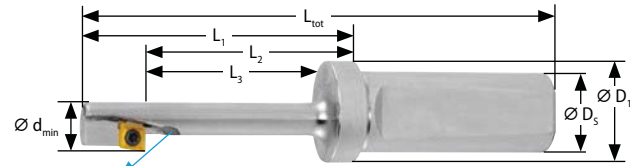


**Garant** Reverse countersinking mill 180° for CPMT 05T1.. / CCMT 0602.. / 09T3.. / 1204..

With just one cutter (z = 1).

Size 15; 18 – Without internal cooling.

**Note:** Dimension e = programming dimension (information on the end face).



21 7180\_20

maximum countersink Ø D	210 21 7180	Ø d <sub>min</sub>	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	Ø D <sub>1</sub>	e	L <sub>tot</sub>	Ø D <sub>s</sub> h6	Shank type	suitable indexable insert	Insert screw	Pack of insert screws
mm	180° reverse countersinking mill	mm	mm	mm	mm	mm	mm	mm	mm				
15	XXX	9.2	55	42	35	25	3.55	105	20	Whistle Notch	217185 UNI	219947 (TX7; 0,9 Nm)	–
18	XXX	10.5	62	47	40	25	4.05	112	20	Whistle Notch	260142 HB725	219842 (8IP; 1.2 Nm)	–
20	XXX	13	67	52	45	25	3.8	117	20	Whistle Notch	260142 HB725	219842 (8IP; 1.2 Nm)	–
24	XXX	15	72	57	50	25	4.8	122	20	Whistle Notch	260142 HB725	219842 (8IP; 1.2 Nm)	–
26	XXX	17	82	67	60	25	5.05	132	20	Whistle Notch	260142 HB725	219842 (8IP; 1.2 Nm)	–
30	XXX	19	92	77	65	25	6.05	142	20	Whistle Notch	260142 HB725	219842 (8IP; 1.2 Nm)	–
33	XXX	21	102	82	75	25	6.65	152	20	Whistle Notch	260150 HB725	219844 (15IP; 3.0 Nm)	–
36	XXX	23	113	93	85	40	7.05	173	32	Whistle Notch	260150 HB725	219844 (15IP; 3.0 Nm)	–
40	XXX	25	123	103	95	40	8.05	183	32	Whistle Notch	260150 HB725	219844 (15IP; 3.0 Nm)	–
43	XXX	30	123	103	95	40	7.05	183	32	Whistle Notch	260150 HB725	219844 (15IP; 3.0 Nm)	–
48	XXX	33	163	143	135	40	8.05	223	32	Whistle Notch	260150 HB725	219844 (15IP; 3.0 Nm)	–
53	XXX	36	140	–	110	–	9.05	210	40	Weldon	260158 HB725	–	219848 (20IP; 5.5 Nm)
57	XXX	39	150	–	120	–	9.55	220	40	Weldon	260158 HB725	–	219848 (20IP; 5.5 Nm)
66	XXX	45	165	–	135	–	11.05	245	50	Weldon	260158 HB725	–	219848 (20IP; 5.5 Nm)
76	XXX	52	185	–	155	–	12.55	265	50	Weldon	260158 HB725	–	219848 (20IP; 5.5 Nm)

**Garant** Indexable insert for reverse countersinking mill No. 217180 size 15



Suitable for/ v <sub>c</sub> [m/min]	Alu plastics	Alu cast > 10% Si	Alu cast > 500 N	< 500 N	< 750 N	< 900 N	< 1100 N	< 1400 N	< 55 HRC	< 60 HRC	< 65 HRC	< 67 HRC	INOX < 900 N	INOX > 900 N	Ti > 850 N	GG(G)	CuZn	Uni	Oil	Water	Chip	Chip	Chip
ISO code	N	N	N	P	P	P	P	P	H	H	H	H	M	M	S	K	N	●	●	○	○	○	○
21 7185	100	80	75	75	75	65	65						40	40	40	100	90	●	●	○	○	○	○



Type				UNI			
z <sub>1/4</sub> 21 7185	CPMT 05T104 T	HB7035	XXX				10
f	mm/rev			0.1			

Reverse countersinking mill No. 21 7180 in use – programming amount (e)

