



MIRROWORX®

Size S - diam. 16 - 35 mm

Milling instead of grinding is our slogan for these finishing milling cutters. Developed for producing smooth and levelled surfaces with enormous feed rates. These tools enter into grinding domains.

Milling cutter bodies

Catalogue no.											Accessories	Features
	d_1	l	r	l_3	l_2	l_1	d_2	d_3	z			

DuoPlug®

	1 16 283 SG	16	8.2	0.5	25	1	-	M 10	15	1	A, B, C, D, E, F	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	2 20 283 SG	20	8.2	0.5	27	1	-	M 12	18.6	2	A, B, C, D, E, F	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	2 25 283 SG	25	8.2	0.5	32	1	-	M 16	23.5	2	A, B, C, D, E, F	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

Threaded shank end mill bodies

	1 16 283	16	8.2	0.5	18	1	-	M 8	13.8	1	A, B, C, D, E, F	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	2 20 283	20	8.2	0.5	18	1	-	M 10	18	2	A, B, C, D, E, F	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	2 25 283	25	8.2	0.5	22.5	1	-	M 12	21	2	A, B, C, D, E, F	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	2 30 283	30	8.2	0.5	28	1	-	M 12	29	2	A, B, C, D, E, F	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	2 32 283	32	8.2	0.5	28	1	-	M 16	29	2	A, B, C, D, E, F	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	2 35 283	35	8.2	0.5	28	1	-	M 16	29	2	A, B, C, D, E, F	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

Accessories

<p>25 500 Torx screw A > Page 195</p>	<p>07 500 Torx-screwdriver B > Page 196</p>	<p>TV 04-1 Screwdriver torque Vario®-S with window scale, C > Page 197</p>	<p>TV 500 Torque Vario® setter adjusting tool D > Page 197</p>	<p>T7 500 Torx interchangeable bit for Torque Vario® E > Page 197</p>	<p>T7 502, Torx Magic-Spring compatible bit f. Torque Vario® F > Page 198</p>
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Indexable inserts

	Catalogue no.	DIN Specification	Carbide Grade	Coating				
					l	s	r	M
	03 83 835	TOHX 063005 ER	HSC 05	PVTi	8.2	3	0.5	M 2.5
	03 83 836	TOHX 063005 ER	HSC 05	PVTiH	8.2	3	0.5	M 2.5

Feed per tooth (fz) | d.o.c. (ap)

Material		steel	stainless steel	cast iron	non-ferrous materials	high-temperature alloys	hardened steel
Quality Coating	Feed per tooth d.o.c.						
HSC 05 PVTi	f _z (mm)	0,2-1	0,1-0,8	0,2-1	0,1-1,5	0,1-0,7	0,1-1
	a _p (mm)	0,02-0,15	0,02-0,1	0,02-0,15	0,02-0,2	0,02-0,1	0,02-0,15
HSC 05 PVTiH	f _z (mm)	0,2-1	0,1-0,8	0,2-1	0,1-1,5	0,1-0,7	0,1-1
	a _p (mm)	0,02-0,15	0,02-0,1	0,02-0,15	0,02-0,2	0,02-0,1	0,02-0,15

Cutting speed (Vc in m/min)

Material		steel	stainless steel	cast iron	non-ferrous materials	high-temperature alloys	hardened steel
Quality Coating	Application						
HSC 05 PVTi	roughing	-	-	-	-	-	-
	pre finishing	-	-	-	-	-	-
	finishing	▽ 150 275 400	▽ 100 150 200	▽ 200 275 350	▽ 100 450 800	▽ 40 70 100	▽ 100 175 250
HSC 05 PVTiH	roughing	-	-	-	-	-	-
	pre finishing	-	-	-	-	-	-
	finishing	▽ 150 275 400	▽ 100 150 200	▽ 200 275 350	▽ 200 500 800	▽ 40 70 100	▽ 100 175 250