

The specialist for stainless steels

Solid carbide end mill 35405

Solid carbide end mill
for machining ISO materials M
and S

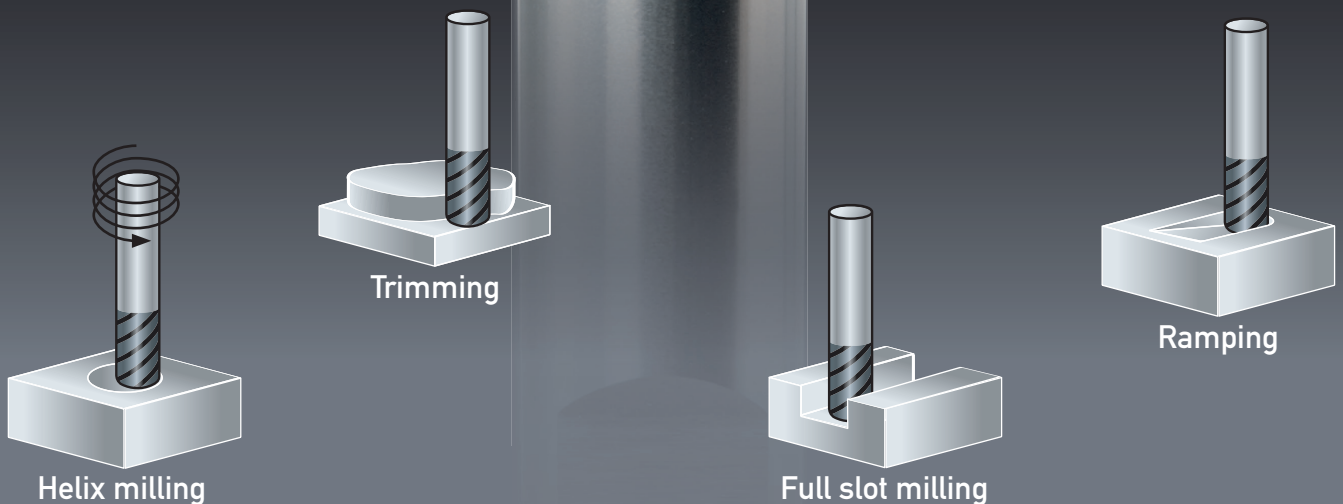
Large chip spaces
ensure optimum chip breaking
and safe chip transport

Newly developed cutting edge geometry with
dynamic twist pitch, cutting edge
preparation, corner chamfer and
reinforced core

**Very smooth running
and less vibration** due to
35°/38° unequal pitch and dynamic
twist pitch

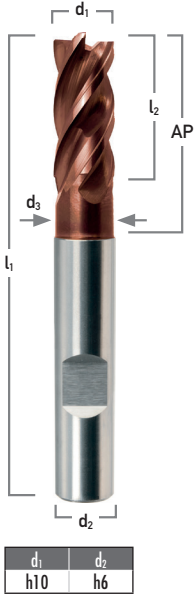
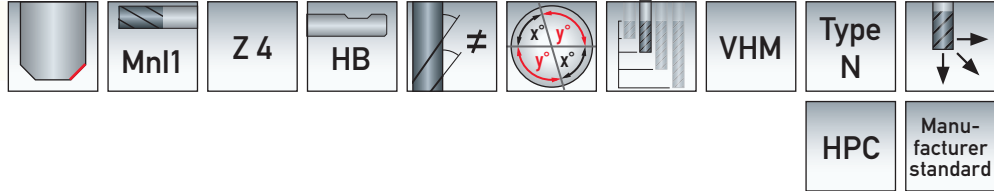
Newest coating technology
TiAlN based MnI1 coating for high resis-
tance to thermal and abrasive wear

300% longer tool life when
machining stainless steels, 200% for high-
temperature materials



Solid carbide end mill

35405



d ₁ mm	d ₂ mm	Corner chamfer	l ₂ mm	l ₁ mm	d ₃ mm	AP mm	Z	Coated Part No.	f _z Roughing mm/Z	f _z Finishing mm/Z
3.0	6	0.13	8	57	2.8	18	4	35405030	0.0105 – 0.0170	0.0098 – 0.0140
4.0	6	0.18	11	57	3.8	21	4	35405040	0.0147 – 0.0220	0.0137 – 0.0190
5.0	6	0.20	13	57	4.8	21	4	35405050	0.0189 – 0.0260	0.0176 – 0.0230
6.0	6	0.20	13	57	5.5	21	4	35405060	0.0210 – 0.0310	0.0196 – 0.0270
7.0	8	0.20	19	63	6.5	27	4	35405070	0.0315 – 0.0420	0.0294 – 0.0360
8.0	8	0.20	19	63	7.5	27	4	35405080	0.0315 – 0.0420	0.0294 – 0.0360
9.0	10	0.30	22	72	8.5	32	4	35405090	0.0420 – 0.0550	0.0392 – 0.0480
10.0	10	0.30	22	72	9.5	32	4	35405100	0.0420 – 0.0550	0.0392 – 0.0480
11.0	12	0.30	26	83	10.5	38	4	35405110	0.0473 – 0.0610	0.0441 – 0.0520
12.0	12	0.30	26	83	11.5	38	4	35405120	0.0473 – 0.0610	0.0441 – 0.0520
13.0	14	0.30	26	83	12.5	42	4	35405130	0.0525 – 0.0660	0.0490 – 0.0570
14.0	14	0.30	26	83	13.5	42	4	35405140	0.0525 – 0.0660	0.0490 – 0.0570
16.0	16	0.40	32	92	15.5	44	4	35405160	0.0735 – 0.0880	0.0686 – 0.0860
18.0	18	0.40	32	92	17.5	50	4	35405180	0.0735 – 0.0990	0.0686 – 0.0860
20.0	20	0.50	38	104	19.5	54	4	35405200	0.0735 – 0.0990	0.0686 – 0.0860



V _c (m/min)	General structured steels	Alloyed Q & T steels	Cast iron (GGG,GT)	Stainless austenitic	Stainless acidresistant austenitic	Stainless ferritic-austenitic	Heat-resistant materials	Titanium alloy
Tensile strength / Hardness etc.	≤ 850 N/mm ²	≤ 1100 N/mm ²	> 260 HB	1.4301	1.4571	Duplex	≤ 1200 N/mm ²	≤ 850 N/mm ²
Full slot α _e = 1xD	200	140	70	110	100	80	40	60
Trimming α _e = 0.2xD	300	200	100	150	130	100	60	80

*Please use with coolant!

Product family 159

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