

Universal applicable

Material classes



Steel | Special alloys | Stainless Steel | Cast Iron

Fields of applications



slotting | roughing | ramping | helix | finishing

Milling conditions

HPC

high performance cutting

MTC

non-rigid conditions

POWERMILL - HPC end mills (4-fluted)

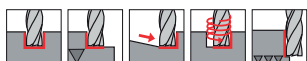


Tool material **Solid carbide**

Surface **F**

Type N

Shank form HA



P • **GUHRINGNAVIGATOR**

M • Cutting data page 28

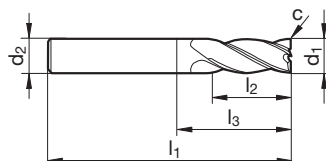
K •

N ○

S •

H ○

- high-performance with variable helix angle
- centre cutting



Article no.

19980

Discount group

206

d1 e8	d2 h6	l1	l2	l3	c	Z	Code no.	Cene (bez PDV-a)
mm	mm	mm	mm	mm	mm x 45°			
3.000	6.000	57.000	8.000	11.400	0.060	4	3.000	750,00
4.000	6.000	57.000	11.000	14.900	0.080	4	4.000	750,00
5.000	6.000	57.000	13.000	17.400	0.100	4	5.000	750,00
6.000	6.000	57.000	13.000	21.000	0.120	4	6.000	750,00
8.000	8.000	63.000	19.000	27.000	0.160	4	8.000	900,00
10.000	10.000	72.000	22.000	32.000	0.200	4	10.000	1.280,00
12.000	12.000	83.000	26.000	38.000	0.240	4	12.000	1.900,00
14.000	14.000	83.000	26.000	38.000	0.280	4	14.000	2.850,00
16.000	16.000	92.000	32.000	44.000	0.320	4	16.000	3.380,00
20.000	20.000	104.000	38.000	54.000	0.400	4	20.000	5.650,00

POWERMILL - HPC end mills (4-fluted)

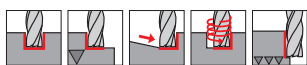


Tool material **Solid carbide**

Surface **P**

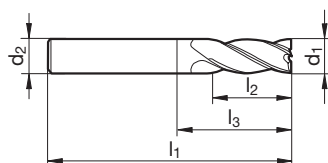
Type N

Shank form cyl.



P	•
M	•
K	•
N	○
S	•
H	○

- high-performance end mills with variable helix angle
- centre cutting

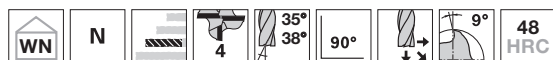


Article no. **19950**

Discount group **206**

d1 h8	d2 h6	l1	l2	l3	Z	Code no.	Cene (bez PDV-a)
mm	mm	mm	mm	mm			
3.000	4.000	50.000	8.000	11.400	4	3.000	870,00
4.000	4.000	50.000	11.000	18.000	4	4.000	870,00
5.000	5.000	50.000	13.000	18.000	4	5.000	880,00
6.000	6.000	50.000	15.000	20.000	4	6.000	980,00
8.000	8.000	60.000	20.000	29.000	4	8.000	1.430,00
10.000	10.000	70.000	27.000	34.000	4	10.000	1.875,00
12.000	12.000	75.000	30.000	39.000	4	12.000	2.400,00
14.000	14.000	75.000	30.000	39.000	4	14.000	3.375,00
16.000	16.000	75.000	30.000	39.000	4	16.000	5.400,00
20.000	20.000	100.000	40.000	54.000	4	20.000	6.450,00

POWERMILL - HPC end mills (4-fluted) long

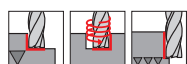


Tool material **Solid carbide**

Surface **P**

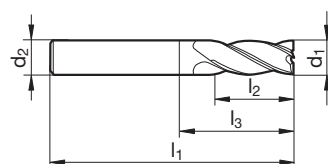
Type N

Shank form cyl.



P	•
M	•
K	•
N	○
S	•
H	○

- high-performance end mills with variable helix angle
- centre cutting



Article no. **19951**

Discount group **206**

d1 h8	d2 h6	l1	l2	l3	Z	Code no.	Cene (bez PDV-a)
mm	mm	mm	mm	mm			
3.000	4.000	60.000	16.000	19.400	4	3.000	990,00
4.000	4.000	60.000	20.000	23.000	4	4.000	990,00
5.000	6.000	68.000	24.000	28.400	4	5.000	1.095,00
6.000	6.000	68.000	24.000	32.000	4	6.000	1.545,00
8.000	8.000	88.000	38.000	52.000	4	8.000	1.995,00
10.000	10.000	100.000	50.000	60.000	4	10.000	2.520,00
12.000	12.000	100.000	53.000	61.000	4	12.000	3.495,00
14.000	14.000	100.000	53.000	62.000	4	14.000	5.520,00
16.000	16.000	125.000	63.000	77.000	4	16.000	6.600,00
20.000	20.000	141.000	75.000	91.000	4	20.000	6.900,00