

UNI-PRO End Mills (4-Flute) - Metric - Standard Length



center cutting



Standard



No. Flutes



Helix Angle



Chamfer



Rake Angle



Slotting



Roughing



Ramping



Helix



Finishing



HA



HA

Tool material

Solid Carbide

Surface finish

bright

FIREX®

Series

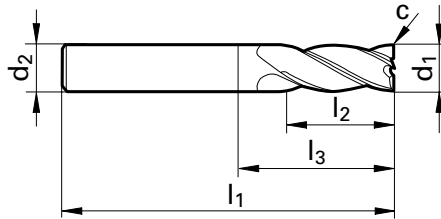
3304

3678

Application group	Material examples	Ideal for
P	Steel	●
M	Stainless steel	●
K	Cast iron	●
N	Aluminum	●
S	Ni / Ti alloys	○
H	Hardened steel	--

●=Optimal ○=Secondary

Speed and Feed data found on page 302



d1 h10	d2 h6	l1	l2	l3	c	No. of Flutes	Code no.	EDP Number	
mm	mm	mm	mm	mm	mm x 45°				
2.000	2.000	32.00	5.00	10.00	0.03	4	2.000	9033040020000	9036780020000
2.500	2.500	32.00	6.00	11.00	0.05	4	2.500	9033040025000	9036780025000
3.000	3.000	38.00	7.00	11.00	0.05	4	3.000	9033040030000	9036780030000
3.500	3.500	50.00	8.00	14.00	0.05	4	3.500	9033040035000	9036780035000
4.000	4.000	50.00	11.00	22.00	0.05	4	4.000	9033040040000	9036780040000
4.500	4.500	50.00	11.00	22.00	0.05	4	4.500	9033040045000	9036780045000
5.000	5.000	50.00	13.00	22.00	0.05	4	5.000	9033040050000	9036780050000
6.000	6.000	57.00	13.00	21.00	0.05	4	6.000	9033040060000	9036780060000
7.000	7.000	60.00	16.00	24.00	0.10	4	7.000	9033040070000	9036780070000
7.500	7.500	63.00	19.00	27.00	0.10	4	7.500	9033040075000	9036780075000
8.000	8.000	63.00	19.00	27.00	0.10	4	8.000	9033040080000	9036780080000
9.000	9.000	67.00	19.00	27.00	0.10	4	9.000	9033040090000	9036780090000
10.000	10.000	72.00	22.00	32.00	0.10	4	10.000	9033040100000	9036780100000
11.000	11.000	83.00	26.00	38.00	0.10	4	11.000	9033040110000	9036780110000
12.000	12.000	83.00	26.00	38.00	0.10	4	12.000	9033040120000	9036780120000
13.000	13.000	83.00	26.00	38.00	0.15	4	13.000	9033040130000	9036780130000
14.000	14.000	83.00	26.00	38.00	0.15	4	14.000	9033040140000	9036780140000
15.000	15.000	92.00	32.00	44.00	0.15	4	15.000	9033040150000	9036780150000
16.000	16.000	92.00	32.00	44.00	0.15	4	16.000	9033040160000	9036780160000
18.000	18.000	92.00	32.00	44.00	0.15	4	18.000	9033040180000	9036780180000
20.000	20.000	104.00	38.00	54.00	0.15	4	20.000	9033040200000	9036780200000