

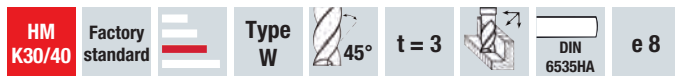
NORMEX® Solid carbide end mills, for aluminium

End mill particularly indicated for grooving and roughing aluminium and non-ferrous metals with max 600 N/mm² strength
The 45° spiral design also allows excellent smooth finishing

With end cutting edge

Short version (1 x d) radiused profile with internal coolant hole

Long version



With internal hole for cooling liquid



Ø mm	Code	F 8047/9 Each €	Cutting edge length mm	Working length mm	Overall length mm	Radius mm	Shank Ø mm h 6	Ø mm	Code	F 8047/9 Each €	Cutting edge length mm	Working length mm	Overall length mm	Radius mm	Shank Ø mm h 6
6	F 8047 9006		9	21	57	1,00	6	10	F 8047 9010		15	32	72	1,50	10
8	F 8047 9008		12	27	63	1,00	8	12	F 8047 9012		18	38	83	1,50	12

NORMEX® High performance solid carbide end mills

Suitable for microfinishing (0,05 x d) all materials with max 50 HRc hardness
Excellent cutting accuracy guaranteed by zero vibrations, multiple cutting edges and the accentuated helix angle allow milling resulting in a particularly smooth surface and superior evenness

Long version



Ø mm	Code	F 8048/1 Each €	Cutting edge length mm	Overall length mm	Shank Ø mm h 6	Cutting edges n°	Ø mm	Code	F 8048/1 Each €	Cutting edge length mm	Overall length mm	Shank Ø mm h 6	Cutting edges n°
6	F 8048 1006		13	57	6	6	12	F 8048 1012		26	83	12	6
8	F 8048 1008		19	63	8	6	16	F 8048 1016		32	92	16	6
10	F 8048 1010		22	72	10	6	20	F 8048 1020		38	104	20	8

Particularly indicated on high speed machining centers

Can be used also on HSC dry applications or with minimum quantity lubrication

Long version



Ø mm	Code	F 8048/5 Each €	Cutting edge length mm	Overall length mm	Shank Ø mm h 6	Cutting edges n°	Ø mm	Code	F 8048/5 Each €	Cutting edge length mm	Overall length mm	Shank Ø mm h 6	Cutting edges n°
6	F 8048 5006		13	57	6	6	12	F 8048 5012		26	83	12	6
8	F 8048 5008		19	63	8	6	16	F 8048 5016		32	92	16	6
10	F 8048 5010		22	72	10	6	20	F 8048 5020		38	104	20	8

Extra long version



Ø mm	Code	F 8048/6 Each €	Cutting edge length mm	Overall length mm	Shank Ø mm h 6	Cutting edges n°	Ø mm	Code	F 8048/6 Each €	Cutting edge length mm	Overall length mm	Shank Ø mm h 6	Cutting edges n°
6	F 8048 6006		30	75	6	6	12	F 8048 6012		45	150	12	6
8	F 8048 6008		40	100	8	6	16	F 8048 6016		65	150	16	6
10	F 8048 6010		40	100	10	6	20	F 8048 6020		65	150	20	8

For roughing applications, for grooves and slots on materials with hardness ≥ 48 up to 56 HRc

The fine knurled roughing profile ensures reduced chip size and increased feed with higher cutting widths and depths

To be used with minimum quantity lubrication or compressed air

Long version



Ø mm	Code	F 8049/1 Each €	Cutting edge length mm	Overall length mm	Shank Ø mm h 6	Ø mm	Code	F 8049/1 Each €	Cutting edge length mm	Overall length mm	Shank Ø mm h 6
6	F 8049 1006		13	57	6	14	F 8049 1014		26	83	14
8	F 8049 1008		19	69	8	16	F 8049 1016		32	92	16
10	F 8049 1010		22	72	10	18	F 8049 1018		32	92	18
12	F 8049 1012		26	83	12	20	F 8049 1020		38	104	20