

List 9181: 2 Flute, Corner Radius, CBN, Stub Length

Standard Milling

Hardness			<50 HRC	50-60 HRC	60-68 HRC			
Work Material	Standard Depth of Cut		Hardened Steels					
Cutting Speed			258-598 SFM		258-495 SFM		196-397 SFM	
Depth of Cut (mm)			aa=1D	ar=1D	aa=0.8D	ar=0.8D	aa=0.5D	ar=0.5D
Mill Dia.	aa	ar	Speed RPM	Feed in/min	Speed RPM	Feed in/min	Speed RPM	Feed in/min
0.5	0.02	0.2	25,000	19.7	25,000	19.7	25,000	19.7
1.0	0.02	0.2	25,000	29.5	25,000	29.7	25,000	29.4
1.5	0.03	0.4	25,000	39.6	24,280	38.8	19,100	29.5
2.0	0.04	0.4	21,110	34.4	18,410	30.2	14,480	21.0
3.0	0.05	0.6	13,900	22.1	12,130	22.0	9,540	15.0

1. Use a rigid and precise machine and holder.
2. We suggest using air blow or MQL (mist).
3. When using low speed machines, use the maximum speed and adjust feed rate.
4. During heavy load operations such as corner processing, reduce the speed and feed.
5. The run out of the end mill should be within 10 microns (.0004") after chucking.

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