

Cutting Data

CMT Spiral Multi Flute Inserts



Carbide grade - MT8:

Sub-Micron Grade with Aluminum Titanium Nitride (AlTiN) multi-layer coating (ISO K10-K20). Extremely high heat resistant and smooth cutting operation, for high performance, and normal machining conditions. General purpose for all materials.

ISO Standard	Material	Cutting Speed m/min	Feed mm/tooth Cutting Diameter = D
			Ø16-Ø35
P	Low and Medium Carbon Steels <0.55%C	60-120	0.14-0.24
	High Carbon Steels ≥0.55%C	60- 90	0.12-0.24
	Alloy Steels, Treated Steels	50- 80	0.08-0.20
M	Stainless Steel-Free Cutting	70-100	0.08-0.19
	Stainless Steel-Austenitic	60- 90	0.08-0.19
	Cast Steels	70- 90	0.08-0.20
K	Cast Iron	40- 80	0.14-0.24
N	Aluminum ≤12%Si, Copper	100-200	0.14-0.26
	Aluminum >12%Si	60-140	0.08-0.22
	Synthetics, Duroplastics, Thermoplastics	50-200	0.17-0.28
S	Nickel Alloys, Titanium Alloys.	20- 40	0.05-0.14
H	Hardened Steel, 45-50HRc	60- 70	0.07-0.17
	Hardened Steel, 51-55HRc	50- 60	0.06-0.16