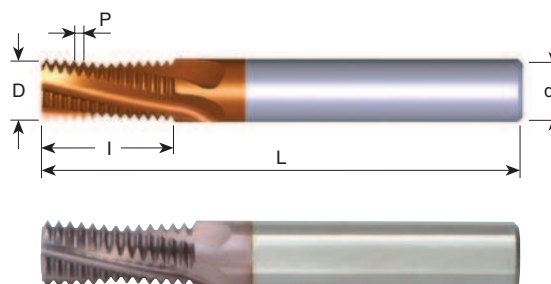
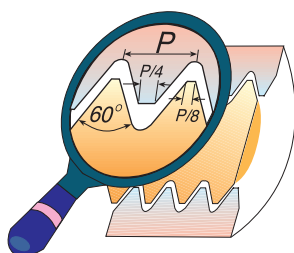


Mill - Thread Solid Carbide for External Threads

Advantages:

- ★ Excellent surface finish thanks to the spiral flutes
- ★ Short machining time due to multi 3 to 5 flutes

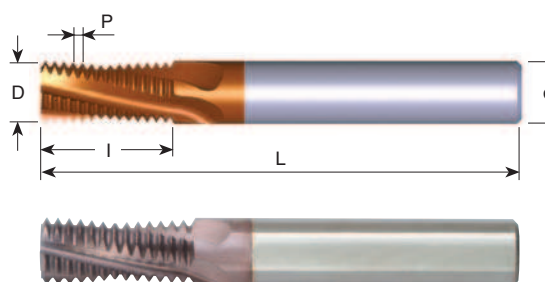
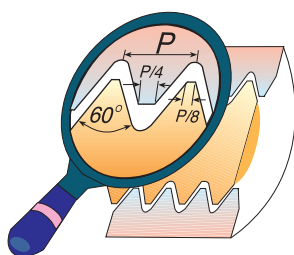
ISO



Pitch mm	Ordering Code	d	D	No. of Flutes	I	L
1.0	EMT1010D16 1.0 ISO	10	10.0	4	16.5	73
1.0	EMT1212E20 1.0 ISO	12	12.0	5	20.5	84
1.25	EMT1010D16 1.25 ISO	10	10.0	4	16.9	73
1.5	EMT1010D15 1.5 ISO	10	10.0	4	15.8	73
1.5	EMT1212D20 1.5 ISO	12	12.0	4	20.3	84
1.75	EMT1212D20 1.75 ISO	12	12.0	4	20.1	84
2.0	EMT1010C17 2.0 ISO	10	10.0	3	17.0	73
2.0	EMT1212D21 2.0 ISO	12	12.0	4	21.0	84

Order example: EMT 1010D15 1.5 ISO MT7

UN



Pitch TPI	Ordering Code	d	D	No. of Flutes	I	L
24	EMT1010D16 24 UN	10	10.0	4	16.4	73
20	EMT1212E21 20 UN	12	12.0	5	21.0	84
18	EMT1212D20 18 UN	12	12.0	4	20.5	84
16	EMT1212D21 16 UN	12	12.0	4	21.4	84
14	EMT1212D20 14 UN	12	12.0	4	20.9	84
12	EMT1212D20 12 UN	12	12.0	4	20.1	84

Order example: EMT 1212D20 18 UN MT7

Mill-Thread Solid Carbide Grades, Speed and Feed Selection

MT, MTB, MTZ, EMT types

MT7 Sub-Micron Grade with Titanium Aluminum Nitride multi-layer coating (ISO K10 - K20). This is a general purpose grade, which can be used with all materials; it should be run at medium to high cutting speeds.

ISO Standard	Material	Cutting Speed m/min	Feed mm/tooth										
			Ø2	Ø3	Ø4	Ø6	Ø8	Ø10	Ø12	Ø14	Ø16	Ø20	Ø25
P	Low and Medium Carbon Steels <0.55%C	100-250	0.03	0.04	0.04	0.06	0.07	0.08	0.09	0.11	0.12	0.15	0.18
	High Carbon Steels ≥0.55%C	110-180	0.02	0.03	0.03	0.05	0.06	0.07	0.08	0.09	0.10	0.12	0.15
	Alloy Steels, Treated Steels	90-160	0.02	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.07	0.08	0.10
M	Stainless Steels - Free Cutting	60-160	0.02	0.03	0.03	0.04	0.05	0.06	0.06	0.07	0.08	0.09	0.11
	Stainless Steels - Austenitic	60-120	0.02	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.07	0.08	0.10
	Cast Steels	130-170	0.02	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.07	0.08	0.10
K	Cast Iron	70-150	0.03	0.04	0.04	0.06	0.07	0.08	0.09	0.11	0.12	0.15	0.18
N	Aluminium ≤10%Si, Copper	150-350	0.03	0.04	0.04	0.06	0.07	0.08	0.09	0.11	0.12	0.15	0.18
	Aluminium ≥10% Si	100-250	0.02	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.07	0.08	0.10
	Synthetics, Duroplastics, Thermoplastics	100-400	0.05	0.06	0.07	0.08	0.10	0.11	0.12	0.14	0.15	0.18	0.22
S	Nickel Alloys, Titanium Alloys	20- 80	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05

For cutters with long cutting length reduce feed rate by 40%