

ZÁVITOVÉ FRÉZY VHM MONOLITNÉ DMTH 3 v 1

vrtanie, frézovanie, zrážanie



Frézování závitů

3 v 1 závitové frézy VHM pro pevné materiály
bez vnitřního chlazení - vrtá, frézuje, sráží **DMTH**

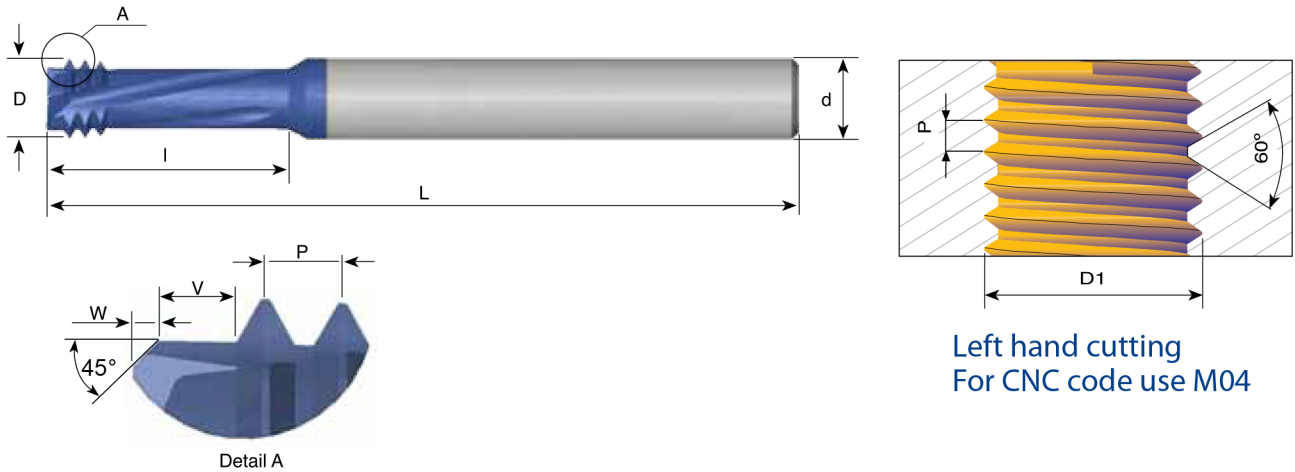
DMT - 3 in 1

DMTH

The new DMTH tools expand the range of the existing DMT line providing the ability to cut steels, hardened materials, stainless steels and super alloys.

ISO

Tools for Internal Thread



For thread depth up to 2 x D1

Pitch mm	D1	Ordering Code	d	D	No. of Flutes	I	W	V	L
0.7	M4	DMTH 06032 C11 0.7 ISO	6	3.1	3	11.6	0.2	0.7	58
0.8	M5	DMTH 0604 C14 0.8 ISO	6	4.0	3	14.4	0.3	0.8	58
1.0	M6 - M9	DMTH 08047 C14 1.0 ISO	8	4.7	3	14.4	0.4	1.0	64
1.25	M8 - M12	DMTH 08061 D19 1.25 ISO	8	6.1	4	19.0	0.5	1.25	64
1.5	M10- M15	DMTH 08078 D23 1.5 ISO	8	7.8	4	23.6	0.6	1.5	64
1.75	M12	DMTH 1009 D28 1.75 ISO	10	9.0	4	28.1	0.6	1.75	73
2.0	M16- M23	DMTH 12118 D36 2.0 ISO	12	11.8	4	36.6	0.6	2.0	84

Order example: DMTH 1009D28 1.75 ISO MT11

UN

Tools for Internal Thread

For thread depth up to 2 x D1

Pitch TPI	UN, UNEF, UNF UNC, UNS	Ordering Code	d	D	No. of Flutes	I	W	V	L
40	4	DMTH 06021 C7 40 UN	6	2.1	3	7.0	0.1	0.6	58
32	6	DMTH 06026 C8 32 UN	6	2.6	3	8.7	0.1	0.8	58
28	1/4-3/8	DMTH 0805 C14 28 UN	8	5.0	3	14.9	0.4	0.9	64
24	5/16-1/2	DMTH 08065 D18 24 UN	8	6.5	4	18.5	0.5	1.05	64
20	1/4-3/8	DMTH 08048 C15 20 UN	8	4.8	3	15.6	0.4	1.25	64
18	5/16-7/16	DMTH 0806 D19 18 UN	8	6.0	4	19.2	0.5	1.4	64
16	3/8-1/2	DMTH 08067 C22 16 UN	8	6.7	3	22.8	0.5	1.6	64
13	1/2	DMTH 10092 C30 13 UN	10	9.2	3	30.0	0.6	2.0	73
11	5/8	DMTH 12114 C37 11 UN	12	11.4	3	37.0	0.6	2.3	84

Order example: DMTH 08048 C15 20UN MT11

DMT type

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	Materials	Cutting Speed m/min	Feed mm/tooth Cutting Diameter = D							
			Ø3	Ø4	Ø5	Ø6	Ø8	Ø9	Ø10	Ø12
P	Low and Medium Carbon Steels < 0.55%C	60-120	0.02	0.03	0.03	0.04	0.05	0.05	0.05	0.05
	High Carbon Steels ≥ 0.55%C	60-90	0.015	0.02	0.03	0.03	0.04	0.04	0.04	0.05
	Alloy Steels, Treated Steels	50-80	0.015	0.02	0.02	0.02	0.02	0.03	0.03	0.04
M	Stainless Steels - Free Cutting	70-100	0.015	0.02	0.02	0.02	0.02	0.03	0.03	0.03
	Stainless Steels - Austenitic	60-90	0.015	0.02	0.02	0.02	0.02	0.03	0.03	0.03
	Cast Steels	70-90	0.015	0.02	0.02	0.02	0.02	0.03	0.03	0.04
K	Cast Iron	40-80	0.02	0.03	0.03	0.04	0.05	0.05	0.05	0.05
N	Aluminum ≤12%Si, Copper	100-200	0.02	0.03	0.03	0.04	0.05	0.05	0.05	0.05
	Aluminum >12% Si	60-140	0.015	0.02	0.02	0.02	0.02	0.03	0.03	0.03
	Synthetics, Duroplastics, Thermoplastics	50-200	0.03	0.04	0.05	0.05	0.06	0.06	0.06	0.06

DMTH type

MT11 Ultra-fine Sub-Micron grade with advanced PVD triple Blue coating

ISO	Materials	Cutting Speed m/min	Feed mm/tooth								
			Ø2	Ø3	Ø4	Ø5	Ø6	Ø8	Ø9	Ø10	Ø12
P	Low and Medium Carbon Steels < 0.55%C	60-120	0.02	0.02	0.03	0.03	0.04	0.05	0.05	0.05	0.05
	High Carbon Steels ≥ 0.55%C	60-90	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.05
	Alloy Steels, Treated Steels	50-80	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04
M	Stainless Steels - Free Cutting	70-100	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
	Stainless Steels - Austenitic	60-90	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
	Cast Steels	70-90	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04
K	Cast Iron	40-80	0.03	0.03	0.03	0.03	0.04	0.05	0.05	0.05	0.05
N	Aluminum ≤10%Si, Copper	100-200	0.03	0.03	0.03	0.03	0.04	0.05	0.05	0.05	0.05
	Aluminum >10% Si	60-140	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03
	Synthetics, Duroplastics, Thermoplastics	50-200	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06
S	Nickel Alloys, Titanium Alloys and High Temp. Alloys	20-40	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.06	0.06
H	Hardened Steels 45-50 HRc	60-70	0.02	0.02	0.02	0.03	0.04	0.04	0.05	0.05	0.05
	Hardened Steels 50-55 HRc	50-60	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.04