

# Mini Mill-Thread



## MTS

- Threading from ISO M1 x 0.25 and 0-80UN.
- Working in high cutting speed.
- Short machining time.
- Low cutting forces thanks to the short profile.
- No broken taps.
- Machining of hardened materials up to 45 HRc.

## Advantages

- Enables machining in deep holes.
- Same tool can produce a wide range of threads and pitches.
- Same tool can produce both External and Internal threads.

## Carbide grade: MT7

Sub-Micron grade with Titanium Aluminum Nitride multi-layer coating (ISO K10 - K20). To be run at medium to high cutting speeds. General purpose for all materials.

- Coolant through the flutes is very effective for deep holes.
- Spiral flutes allow smooth cutting action.
- Shorter machining time due to multi (3 to 5) flutes.
- Longer tool life due to special triple coating.

## MTI - For threading deep parts

**Carbide grade: MT8** Sub-micron grade with advanced PVD triple coating (ISO K10-K20). Extremely high heat resistant and smooth cutting operation, for high performance, and normal machining conditions. General purpose for all materials.

**MT11** Ultra-fine Sub-micron grade with advanced PVD triple blue coating.

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#### MTS

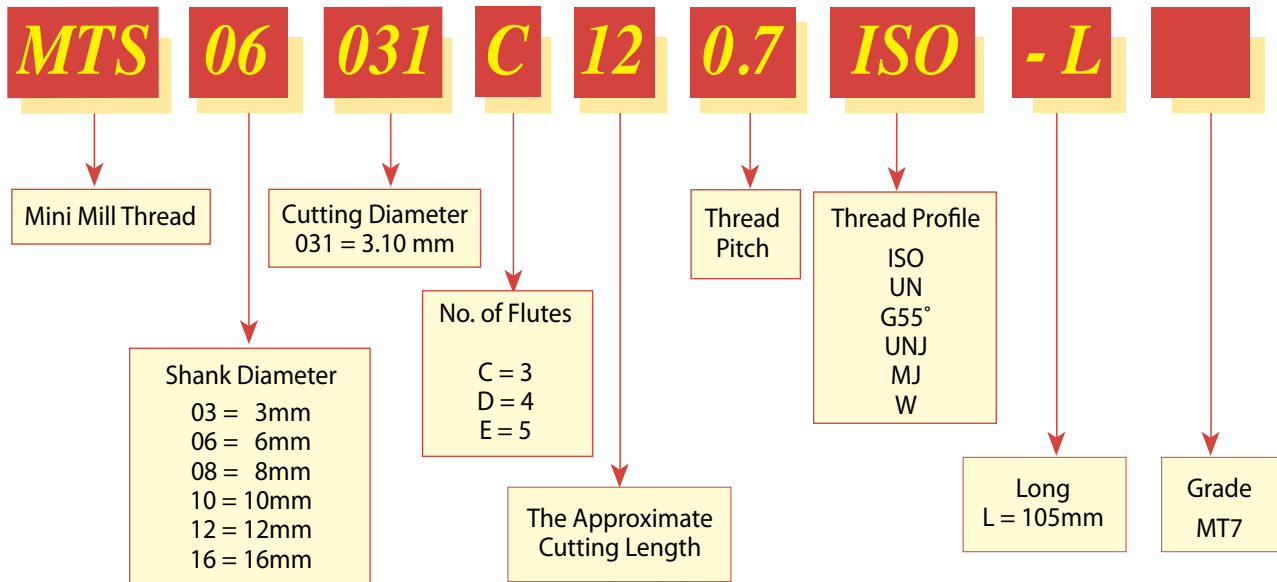
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#### MTI

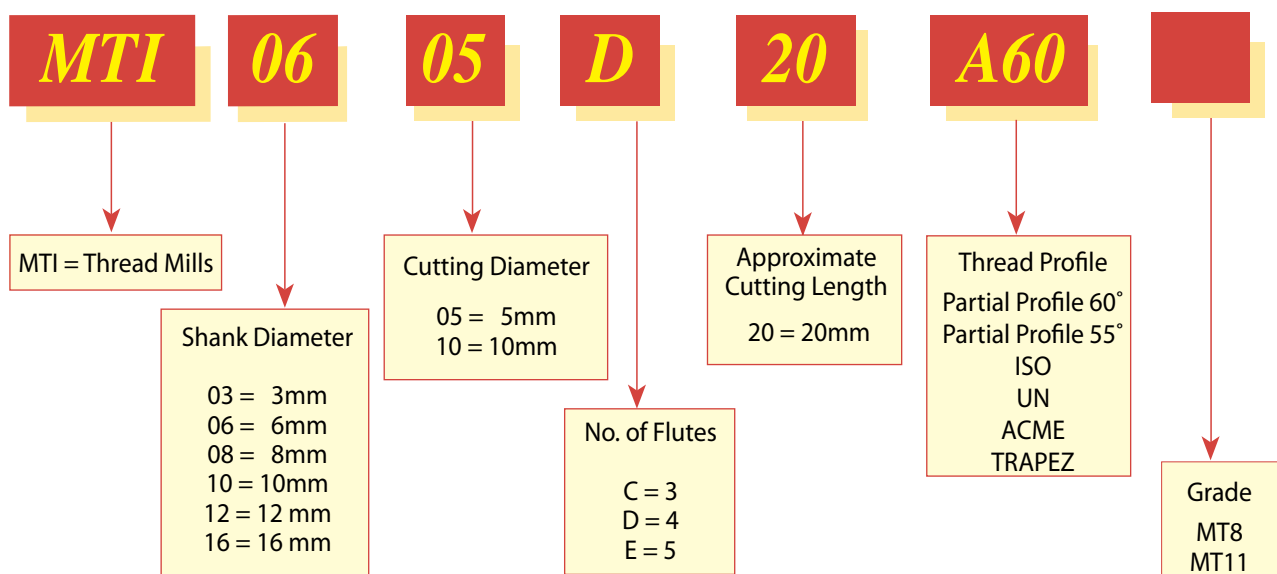
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## Product Identification

### Mini Mill-Thread MTS Ordering Codes

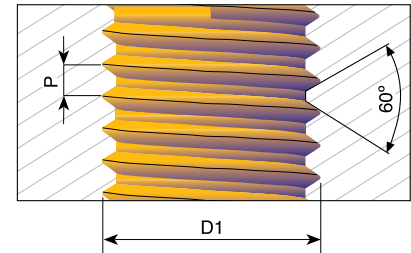


### Mini Mill-Thread MTI Ordering Codes



## ISO

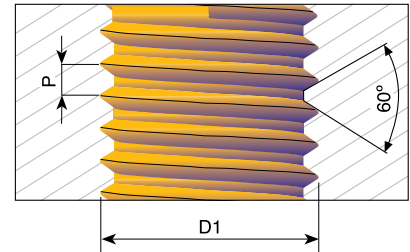
### Tools for Internal Thread



Pitch mm	D1	Ordering Code	d	D	No. of Flutes	I	L	Thread depth
0.25	M1	<a href="#">MTS03007C2 0.25 ISO</a>	3	0.72	3	2.5	39	2.5xD1
0.25	M1.2	<a href="#">MTS03009C3 0.25 ISO</a>	3	0.90	3	3.0	39	2xD1
0.3	M1.4	<a href="#">MTS03011C4 0.3 ISO</a>	3	1.05	3	4.0	39	3xD1
0.35	M1.6	<a href="#">MTS03012C5 0.35 ISO</a>	3	1.20	3	4.8	39	3xD1
	M1.6	<a href="#">MTS06012C5 0.35 ISO-L</a>	6	1.20	3	4.8	105	3xD1
0.35	M5	<a href="#">MTS06045D14 0.35 ISO</a>	6	4.50	4	14.5	48	3xD1
0.4	M2	<a href="#">MTS06016C4 0.4 ISO</a>	6	1.53	3	4.5	58	2xD1
	M2	<a href="#">MTS06016C4 0.4 ISO-L</a>	6	1.53	3	4.5	105	2xD1
	M2	<a href="#">MTS03016C6 0.4 ISO</a>	3	1.53	3	6.0	39	3xD1
	M2	<a href="#">MTS03016C10 0.4 ISO</a>	3	1.53	3	10.4	39	5xD1
0.45	M2.2	<a href="#">MTS06017C5 0.45 ISO</a>	6	1.65	3	5.0	58	2xD1
	M2.2	<a href="#">MTS03017C7 0.45 ISO</a>	3	1.65	3	7.0	39	3xD1
0.45	M2.5	<a href="#">MTS0602C5 0.45 ISO</a>	6	1.95	3	5.5	58	2xD1
	M2.5	<a href="#">MTS0602C5 0.45 ISO-L</a>	6	1.95	3	5.5	105	2xD1
	M2.5	<a href="#">MTS0602C7 0.45 ISO</a>	6	1.95	3	7.5	58	3xD1
	M2.5	<a href="#">MTS0602C8 0.45 ISO-L</a>	6	1.95	3	8.0	105	3xD1
	M2.5	<a href="#">MTS0302C10 0.45 ISO</a>	3	1.95	3	10.5	39	4xD1
0.5	M3	<a href="#">MTS06024C6 0.5 ISO</a>	6	2.37	3	6.5	58	2xD1
	M3	<a href="#">MTS06024C6 0.5 ISO-L</a>	6	2.37	3	6.5	105	2xD1
	M3	<a href="#">MTS06024C9 0.5 ISO</a>	6	2.37	3	9.5	58	3xD1
	M3	<a href="#">MTS06024C9 0.5 ISO-L</a>	6	2.37	3	9.5	105	3xD1
	M3	<a href="#">MTS03024C12 0.5 ISO</a>	3	2.40	3	12.5	39	4xD1
	M3	<a href="#">MTS03024C15 0.5 ISO</a>	3	2.40	3	15.5	39	5xD1
0.5	M6, M7	<a href="#">MTS06054D20 0.5 ISO</a>	6	5.35	4	20.0	58	3xD1
0.6	M3.5	<a href="#">MTS06028C7 0.6 ISO</a>	6	2.75	3	7.5	58	2xD1
	M3.5	<a href="#">MTS06028C10 0.6 ISO</a>	6	2.75	3	10.5	58	3xD1
0.7	M4	<a href="#">MTS06031C9 0.7 ISO</a>	6	3.10	3	9.0	58	2xD1
	M4	<a href="#">MTS06031C12 0.7 ISO</a>	6	3.10	3	12.5	58	3xD1
	M4	<a href="#">MTS06031C12 0.7 ISO-L</a>	6	3.10	3	12.5	105	3xD1
	M4	<a href="#">MTS06031C16 0.7 ISO</a>	6	3.10	3	16.7	58	4xD1
0.75	M10	<a href="#">MTS0808D25 0.75 ISO</a>	8	8.00	4	25.0	64	2.5xD1
0.8	M5	<a href="#">MTS06038C12 0.8 ISO</a>	6	3.80	3	12.5	58	2xD1
	M5	<a href="#">MTS06038C16 0.8 ISO</a>	6	3.80	3	16.0	58	3xD1
	M5	<a href="#">MTS06038C16 0.8 ISO-L</a>	6	3.80	3	16.0	105	3xD1
	M5	<a href="#">MTS0604C20 0.8 ISO</a>	6	4.00	3	20.8	58	4xD1

## ISO

### Tools for Internal Thread



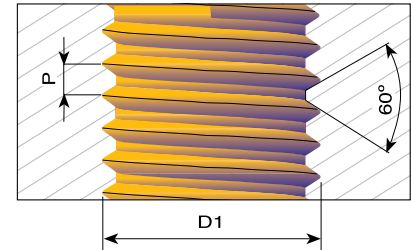
Pitch mm	D1	Ordering Code	d	D	No. of Flutes	I	L	Thread depth
1.0	M6	<a href="#">MTS06047C14 1.0 ISO</a>	6	4.65	3	14.0	58	2xD1
	M6	<a href="#">MTS06047C20 1.0 ISO</a>	6	4.65	3	20.0	58	3xD1
	M6	<a href="#">MTS06047C20 1.0 ISO-L</a>	6	4.65	3	20.0	105	3xD1
	M6	<a href="#">MTS06048C25 1.0 ISO</a>	6	4.80	3	25.0	58	4xD1
1.0	M10	<a href="#">MTS0808D31 1.0 ISO</a>	8	8.00	4	31.0	64	3xD1
1.25	M8	<a href="#">MTS0606C18 1.25 ISO</a>	6	6.0	3	18.0	58	2xD1
	M8	<a href="#">MTS0606C24 1.25 ISO</a>	6	6.0	3	24.0	58	3xD1
	M8	<a href="#">MTS0606C24 1.25 ISO-L</a>	6	6.0	3	24.0	105	3xD1
1.5	M10	<a href="#">MTS08078C23 1.5 ISO</a>	8	7.80	3	23.0	64	2xD1
	M10	<a href="#">MTS08078C31 1.5 ISO</a>	8	7.80	3	31.5	64	3xD1
	M10	<a href="#">MTS08078C31 1.5 ISO-L</a>	8	7.80	3	31.5	105	3xD1
1.75	M12	<a href="#">MTS1009C26 1.75 ISO</a>	10	9.00	3	26.0	73	2xD1
	M12	<a href="#">MTS1009C37 1.75 ISO</a>	10	9.00	3	37.8	73	3xD1
2.0	M16	<a href="#">MTS12118D35 2.0 ISO</a>	12	11.80	4	35.0	84	2xD1
	M16	<a href="#">MTS12118D50 2.0 ISO</a>	12	11.80	4	50.0	105	3xD1
2.5	M20	<a href="#">MTS1615E43 2.5 ISO</a>	16	15.00	5	43.0	105	2xD1

- Machining Titanium, surgical stainless steels and hardened materials up to 45 HRC.
- Suitable for high speed air turbine machines (30,000-40,000 RPM) and for standard machining centers (6,000 RPM and higher).
- Can also be used for general purpose threading.

Order example: [MTS 03024C12 0.5 ISO MT7](#)

## UN

### Tools for Internal Thread

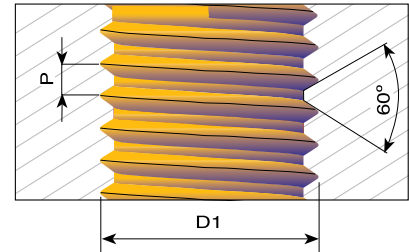


Pitch TPI	UNC	UNF	Ordering Code	d	D	No. of Flutes	l	L	Thread depth
80		0	MTS06012C4 80 UN	6	1.15	3	4.0	58	3xD1
		0	MTS03012C8 80 UN	3	1.15	3	8.0	39	5xD1
72		1	MTS06014C3 72 UN	6	1.45	3	3.7	58	2xD1
		1	MTS03015C6 72 UN	3	1.45	3	6.0	39	3xD1
64	1	2	MTS06014C3 64 UN	6	1.40	3	3.8	58	2xD1
56	2	3	MTS03016C4 56 UN	3	1.65	3	4.4	39	2xD1
	2	3	MTS06016C4 56 UN	6	1.65	3	4.4	58	2xD1
	2	3	MTS03016C6 56 UN	3	1.65	3	6.6	39	3xD1
	2	3	MTS06016C6 56 UN	6	1.65	3	6.6	58	3xD1
	2	3	MTS06016C6 56 UN-L	6	1.65	3	6.6	105	3xD1
	2	3	MTS03016C9 56 UN	3	1.65	3	9.2	39	4xD1
	2	3	MTS03016C11 56 UN	3	1.65	3	11.4	39	5xD1
48	3	4	MTS06019C5 48 UN	6	1.90	3	5.2	58	2xD1
40	4		MTS06021C6 40 UN	6	2.10	3	6.3	58	2xD1
	4		MTS06021C6 40 UN-L	6	2.10	3	6.3	105	2xD1
	4		MTS03021C8 40 UN	3	2.10	3	8.0	39	3xD1
	4		MTS06021C8 40 UN	6	2.10	3	8.0	58	3xD1
	4		MTS06021C8 40 UN-L	6	2.10	3	8.0	105	3xD1
	4		MTS03021C12 40 UN	3	2.10	3	12.0	39	4xD1
40	5	6	MTS06024C7 40 UN	6	2.45	3	7.0	58	2xD1
	5	6	MTS06024C9 40 UN	6	2.45	3	9.6	58	3xD1
36		8	MTS06033C9 36 UN	6	3.30	3	9.0	58	2xD1
32	6		MTS06025C7 32 UN	6	2.55	3	7.1	58	2xD1
	6		MTS06025C7 32 UN-L	6	2.55	3	7.1	105	2xD1
	6		MTS03025C10 32 UN	3	2.55	3	10.5	39	3xD1
	6		MTS06025C10 32 UN	6	2.55	3	10.5	58	3xD1
	6		MTS06025C10 32 UN-L	6	2.55	3	10.5	105	3xD1
	6		MTS03025C14 32 UN	3	2.55	3	14.8	39	4xD1
32	8		MTS06032C9 32 UN	6	3.20	3	9.5	58	2xD1
	8		MTS06032C9 32 UN-L	6	3.20	3	9.5	105	2xD1
	8		MTS06032C12 32 UN	6	3.20	3	12.5	58	3xD1
	8		MTS06032C12 32 UN-L	6	3.20	3	12.5	105	3xD1
	8		MTS06032C17 32 UN	6	3.20	3	17.5	58	4xD1
32		10	MTS06037C10 32 UN	6	3.70	3	10.5	58	2xD1
		10	MTS06037C15 32 UN	6	3.70	3	15.0	58	3xD1
		10	MTS06037C15 32 UN-L	6	3.70	3	15.0	105	3xD1
		10	MTS06037C20 32 UN	6	3.70	3	20.0	58	4xD1

Order example: MTS 06021C6 40 UN MT7

## UN

### Tools for Internal Thread



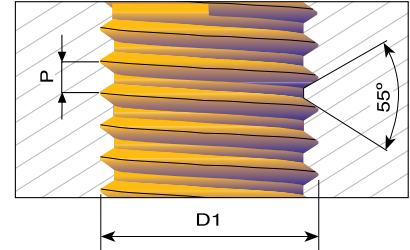
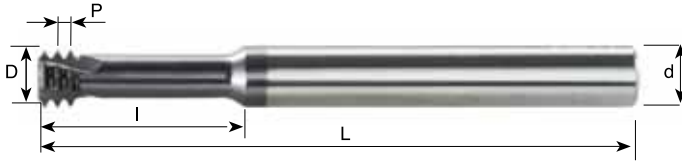
Pitch TPI	UNC	UNF	Ordering Code	d	D	No. of Flutes	l	L	Thread depth
28		12	<a href="#">MTS06042C11 28 UN</a>	6	4.20	3	11.0	58	2xD1
		1/4	<a href="#">MTS0605C14 28 UN</a>	6	5.00	3	14.5	58	2xD1
		1/4	<a href="#">MTS0605C19 28 UN</a>	6	5.00	3	19.0	58	3xD1
		1/4	<a href="#">MTS0605C19 28 UN-L</a>	6	5.00	3	19.0	105	3xD1
24	10, 12		<a href="#">MTS06035C10 24 UN</a>	6	3.50	3	10.6	58	2xD1
	10, 12		<a href="#">MTS06035C15 24 UN</a>	6	3.50	3	15.5	58	3xD1
24		5/16, 3/8	<a href="#">MTS08066C17 24 UN</a>	8	6.60	3	17.0	64	2xD1
		5/16, 3/8	<a href="#">MTS08066C24 24 UN</a>	8	6.60	3	24.0	64	3xD1
20			<a href="#">MTS06047C14 20 UN</a>	6	4.75	3	14.0	58	2xD1
			<a href="#">MTS06047C14 20 UN-L</a>	6	4.75	3	14.0	105	2xD1
			<a href="#">MTS06047C19 20 UN</a>	6	4.75	3	19.0	58	3xD1
			<a href="#">MTS06047C19 20 UN-L</a>	6	4.75	3	19.0	105	3xD1
20		7/16	<a href="#">MTS0808C25 20 UN</a>	8	8.00	3	25.0	64	2xD1
		7/16	<a href="#">MTS0808C34 20 UN</a>	8	8.00	3	34.6	64	3xD1
18	5/16		<a href="#">MTS0606C17 18 UN</a>	6	6.00	3	17.0	58	2xD1
	5/16		<a href="#">MTS0606C23 18 UN</a>	6	6.00	3	23.0	58	3xD1
18		5/8	<a href="#">MTS1212D35 18 UN</a>	12	12.00	4	35.0	84	2xD1
		5/8	<a href="#">MTS1212D49 18 UN</a>	12	12.00	4	49.0	105	3xD1
16	3/8		<a href="#">MTS08067C22 16 UN</a>	8	6.70	3	22.0	64	2xD1
	3/8		<a href="#">MTS08067C30 16 UN</a>	8	6.70	3	30.2	64	3xD1
14	7/16		<a href="#">MTS08077C25 14 UN</a>	8	7.70	3	25.0	64	2xD1
	7/16		<a href="#">MTS08077C35 14 UN</a>	8	7.70	3	35.2	64	3xD1
13	1/2		<a href="#">MTS10092C27 13 UN</a>	10	9.20	3	27.5	73	2xD1
	1/2		<a href="#">MTS10092C40 13 UN</a>	10	9.20	3	40.1	73	3xD1
12	9/16		<a href="#">MTS12105C31 12 UN</a>	12	10.50	3	31.5	84	2xD1
	9/16		<a href="#">MTS12105C45 12 UN</a>	12	10.50	3	45.0	105	3xD1
11	5/8		<a href="#">MTS12114C34 11 UN</a>	12	11.40	3	34.5	84	2xD1
	5/8		<a href="#">MTS12114C50 11 UN</a>	12	11.40	3	50.0	105	3xD1
10	3/4		<a href="#">MTS16144D41 10 UN</a>	16	14.40	4	41.5	105	2xD1
	3/4		<a href="#">MTS16144D59 10 UN</a>	16	14.40	4	59.7	105	3xD1

Order example: [MTS 0605C19 28 UN MT7](#)

- Machining Titanium, surgical stainless steels and hardened materials up to 45 HRc.
- Suitable for high speed air turbine machines (30,000-40,000 RPM) and for standard machining centers (6,000 RPM and higher).
- Can also be used for general purpose threading.

## G 55° BSW, BSP

Same Tool for Internal and External Thread



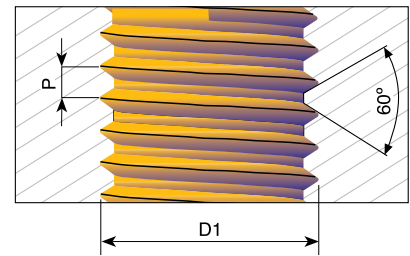
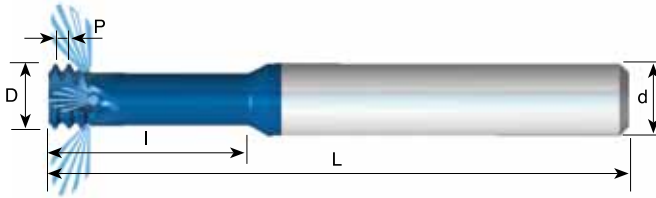
For thread depth up to 2 x D1

Pitch TPI	Standard	Ordering Code	d	D	No. of Flutes	I	L	Thread depth
28	G 1/8	<b>MTS08078C19 28 W</b>	8	7.8	3	19.5	64	2xD1
19	G 1/4 - 3/8	<b>MTS1010D30 19 W</b>	10	10.0	4	30.0	73	2xD1
14	G 1/2 - 7/8	<b>MTS1212D37 14 W</b>	12	12.0	4	37.0	84	2xD1
11	G ≥ 1	<b>MTS1616D44 11 W</b>	16	16.0	4	44.0	105	2xD1

Order example: MTS 1212D37 14 W MT7

## UNJ With internal coolant through the flutes

### Tools for Internal Thread



### For thread depth up to 2.5 x D1

Pitch TPI	UNJC	UNJF	Ordering Code	d	D	No. of Flutes	I	L
* 32	8	10	MTS06033C10 32 UNJ	6	3.30	3	10.5	58
28		1/4	MTS08051C16 28 UNJ	8	5.10	3	16.0	64
24		5/16, 3/8	MTS08067C20 24 UNJ	8	6.70	3	20.0	64
* 20	1/4		MTS06049C16 20 UNJ	6	4.90	3	16.0	58
20		7/16	MTS0808C28 20 UNJ	8	8.00	3	28.0	64
18	5/16	9/16	MTS08061C20 18 UNJ	8	6.15	3	20.0	64
16	3/8		MTS08069C24 16 UNJ	8	6.90	3	24.0	64
14	7/16		MTS08079C25 14 UNJ	8	7.90	3	25.0	64
13	1/2		MTS10094C27 13 UNJ	10	9.40	3	27.5	73

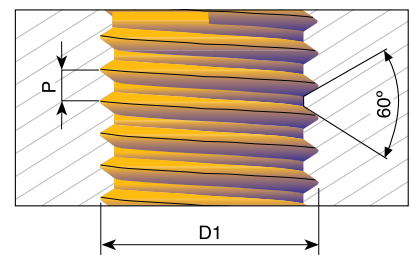
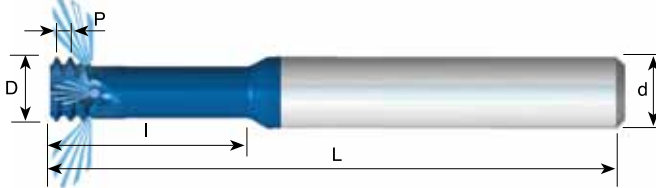
\* Cutters without coolant

Order example: MTS 06049C16 20 UNJ MT8

**Carbide grade MT8** Sub Micron grade with advanced PVD triple coating (ISO K 10-K20). Extremely high heat resistant and smooth cutting operation, for high performance, and normal machining conditions. General purpose for all materials

## MJ With internal coolant through the flutes

### Tools for Internal Thread



### For thread depth up to 2.5 x D1

Pitch TPI	D1	Ordering Code	d	D	No. of Flutes	I	L
* 0.7	MJ4	MTS06032C10 0.7 MJ	6	3.20	3	10.0	58
* 0.8	MJ5	MTS06039C12 0.8 MJ	6	3.90	3	12.5	58
* 1.0	MJ6	MTS06048C15 1.0 MJ	6	4.80	3	15.0	58
1.25	MJ8	MTS08061C20 1.25 MJ	8	6.10	3	20.0	64
1.5	MJ10	MTS0808C25 1.5 MJ	8	8.00	3	25.5	64
1.75	MJ12	MTS10092C30 1.75 MJ	10	9.20	3	30.0	73
2.0	MJ14, MJ16	MTS1010C35 2.0 MJ	10	10.00	3	35.0	73

\* Cutters without coolant

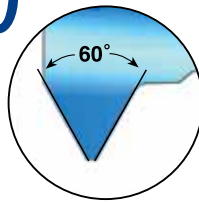
Order example: MTS 06048C15 1.0 MJ MT8

**Carbide grade MT8** Sub Micron grade with advanced PVD triple coating (ISO K 10-K20). Extremely high heat resistant and smooth cutting operation, for high performance, and normal machining conditions. General purpose for all materials

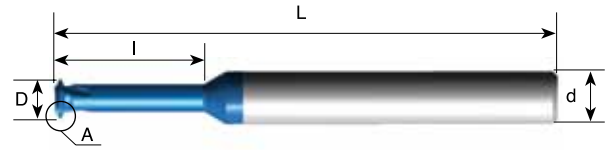


## Partial Profile 60°

Same Tool for Internal and External Thread



Detail A



Pitch mm	Pitch TPI	Ordering Code	M Coarse	M Fine	UN, UNC, UNS UNF, UNEF	d mm	D	No. of Flutes	I	L
0.25-0.35	100-72	<b>MTI03012C3 A60</b>	M1.6 x 0.35	M1.6 x 0.25 M1.8 x 0.25 M2.0 x 0.25	0-80 UNF	3	1.15	3	3.1	39
0.35-0.45	72-56	<b>MTI03014C4 A60</b>	M2 x 0.4 M2.2 x 0.45	M2 x 0.35 M2.2 x 0.35	1-64 UNC, 1-72 UNF, 2-56 UNC, 2-64 UNF	3	1.40	3	3.7	39
0.35-0.6	72-40	<b>MTI03019C5 A60</b>	M2.5 x 0.45	M2.5 x 0.35 M3 x 0.35	3-84 UNC, 3-56 UNF, 4-40 UNC, 4-48 UNF	3	1.90	3	5.2	39
0.5 -0.8	48-32	<b>MTI03024C7 A60</b>	M3 x 0.5 M3.5 x 0.6	M3.5 x 0.5	5-40 UNC, 5-44 UNF, 6-32 UNC, 6-40 UNF	3	2.45	3	7.0	39
0.5 -1.0	48-24	<b>MTI06032C9 A60</b>	M4 x 0.7 M4.5 x 0.75	M4 x 0.5	8-32 UNC, 8-36 UNF, 10-24 UNC, 10-28 UNS, 10-32 UNF	6	3.20	3	9.5	58
0.5 -1.0	48-24	<b>MTI0604C12 A60</b>	M5 x 0.8 M6 x 1.0	M5 x 0.5 M5.5 x 0.5 M5 x 0.75	10-36 UNS, 10-40 UNS, 10-48 UNS, 12-24 UNC, 12-28 UNF	6	4.00	3	12.5	58

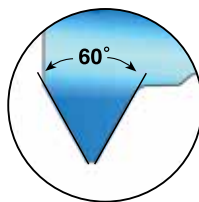
Order example: MTI 03024C7 A60 MT11

**Carbide grade: MT11** Ultra-fine Sub-micron grade with PVD triple Blue coating

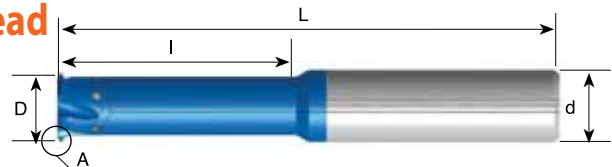
## Partial Profile 60°

With internal coolant through the flutes

Same Tool for Internal and External Thread



Detail A



For threading deep parts

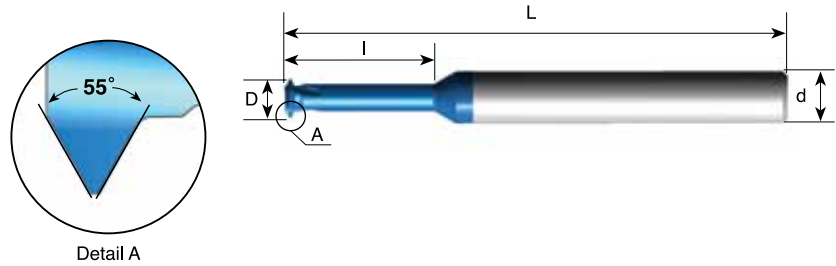
Pitch mm	Pitch TPI	Thread Dia. (mm)	Ordering Code	d	D	No. of Flutes	I	L
Int. 0.5 - 0.8 Ex. 0.4 - 0.8	56-28 64-32	$\varnothing \geq 6$	<b>MTI0605D20 A60</b>	6	5.0	4	20	58
		$\varnothing \geq 9$	<b>MTI0808D28 A60</b>	8	8.0	4	28	64
		$\varnothing \geq 13$	<b>MTI1212E38 A60</b>	12	12.0	5	38	84
Int. 1.0 - 1.75 Ex. 0.8 - 1.5	28-14 32-16	$\varnothing \geq 10$	<b>MTI0808D30 A60</b>	8	8.0	4	30	64
		$\varnothing \geq 12$	<b>MTI1010D35 A60</b>	10	10.0	4	35	73
		$\varnothing \geq 14$	<b>MTI1212E39 A60</b>	12	12.0	5	39	84
Int. 2.0 - 3.0 Ex. 1.75-2.5	13- 8 15-10	$\varnothing \geq 16$	<b>MTI1212E40 A60</b>	12	12.0	5	40	84
		$\varnothing \geq 18$	<b>MTI1614E45 A60</b>	16	14.0	5	45	101
		$\varnothing \geq 20$	<b>MTI1616E50 A60</b>	16	16.0	5	50	101

Order example: MTI 0808D28 A60 MT8

**Carbide grade: MT8** With triple Blue coating

## Partial Profile 55°

Same Tool for Internal and External Thread



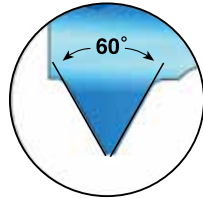
Pitch TPI	Ordering Code	d	D	No. of Flutes	I	L
40-32	<b>MTI03023C7 A55</b>	3	2.25	3	7.0	39
28-20	<b>MTI06044C14 A55</b>	6	4.35	3	14.0	58
28-18	<b>MTI06059C20 A55</b>	6	5.85	3	20.5	58
20-14	<b>MTI0807C23 A55</b>	8	7.00	3	23.0	64

Order example: MTI 06044C14A55 MT11

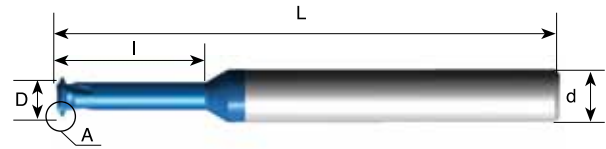
**Carbide grade: MT11** Ultra-fine Sub-micron grade with PVD triple Blue coating

## ISO

### Tools for Internal Thread



Detail A



### For thread depth up to $3.5 \times D1$

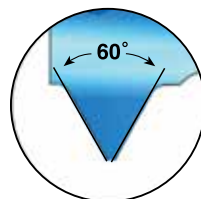
Pitch mm	M Coarse	M Fine	Ordering Code	d	D	No. of Flutes	l	L
0.25	M1 x 0.25		<b>MTI03007C3 0.25 ISO</b>	3	0.72	3	3.6	39
0.25	M1.2 x 0.25	M1.4 x 0.25 M1.6 x 0.25	<b>MTI03009C4 0.25 ISO</b>	3	0.90	3	4.3	39
0.3	M1.4 x 0.3		<b>MTI03011C5 0.3 ISO</b>	3	1.05	3	5.0	39
0.35	M1.6 x 0.35	M2 x 0.35 M2.2 x 0.35	<b>MTI03012C6 0.35 ISO</b>	3	1.20	3	5.7	39
0.4	M2 x 0.4		<b>MTI03016C7 0.4 ISO</b>	3	1.55	3	7.1	39
0.5	M3 x 0.5	M3.5 x 0.5 M4 x 0.5	<b>MTI03024C10 0.5 ISO</b>	3	2.37	3	10.6	39

Order example: MTI 03012C6 0.35 ISO MT11

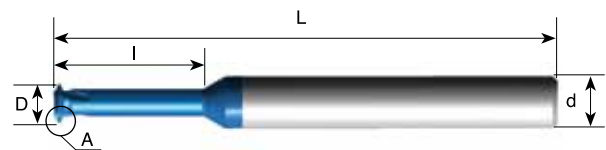
**Carbide grade: MT11** Ultra-fine Sub-micron grade with PVD triple Blue coating

## UN

### Tools for Internal Thread



Detail A



### For thread depth up to $3.5 \times D1$

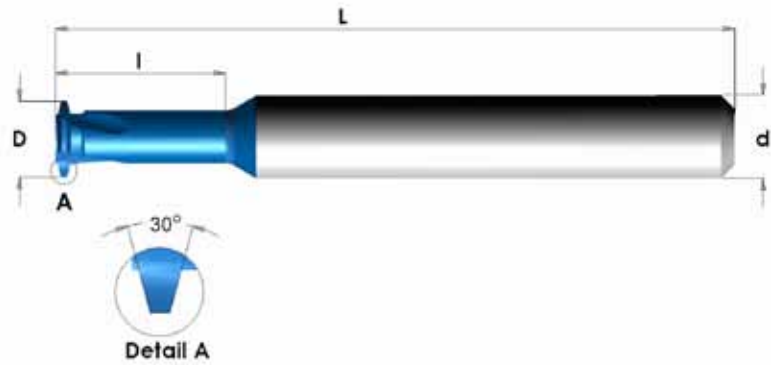
Pitch TPI	UNC	UNF	Ordering Code	d	D	No. of Flutes	l	L
80		0	<b>MTI03012C5 80 UN</b>	3	1.15	3	5.5	39
72		1	<b>MTI03015C7 72 UN</b>	3	1.45	3	6.6	39
56	2	3	<b>MTI03016C9 56 UN</b>	3	1.65	3	8.9	39
40	4		<b>MTI03021C10 40 UN</b>	3	2.10	3	10.1	39

Order example: MTI 03016C9 56 UN MT11

**Carbide grade: MT11** Ultra-fine Sub-micron grade with PVD triple Blue coating

## Trapez-DIN 103

Tools for Internal Thread



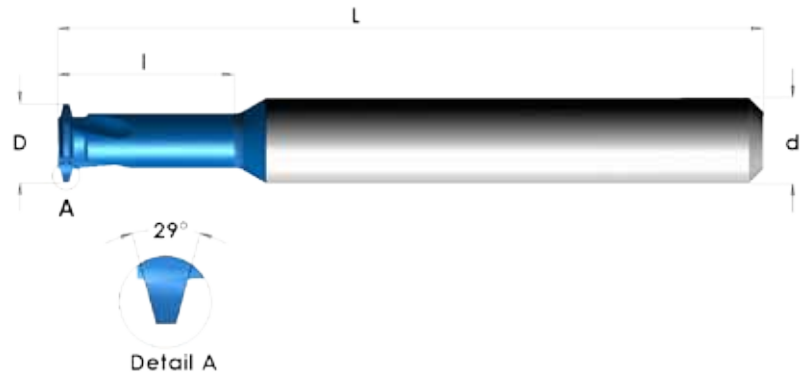
For thread depth up to 2 x D1

Pitch mm	Thread size	Ordering Code	d	D	No. of Flutes	l	L
1.5	Tr8x1.5 Tr9x1.5	<b>MTI06055C13 1.5 TR</b>	6	5.5	3	13.5	58
2	Tr10x2 Tr11x2	<b>MTI08066C21 2 TR</b>	8	6.6	3	21.0	64
2	Tr12x2 Tr14x2	<b>MTI10086D25 2 TR</b>	10	8.6	4	25.0	73
3	Tr12x3	<b>MTI0807C25 3 TR</b>	8	7.0	3	25.0	64
3	Tr14x3 Tr22x3	<b>MTI10089D29 3 TR</b>	10	8.9	4	29.0	73
4	Tr16x4 Tr18x4 Tr20x4	<b>MTI10092C33 4 TR</b>	10	9.2	3	33.0	73
5	Tr22x5 Tr24x5 Tr26x5	<b>MTI14135D45 5 TR</b>	14	13.5	4	45.0	105

Order example: MTI 08066C21 2TR MT8

## Acme

Tools for Internal Thread -  
Inch Shank



Pitch TPI	Thread size	Ordering Code	d	D	No. of Flutes	l	L
16	1/4-16	<b>MTI0250C04 16 ACME</b>	1/4	4.3	3	9.7	64
14	5/16-14	<b>MTI0250C06 14 ACME</b>	1/4	5.2	3	15.2	64
12	3/8-12 7/16-12	<b>MTI0250C08 12 ACME</b>	1/4	6.1	3	19.1	64
10	1/2-10	<b>MTI0375D10 10 ACME</b>	3/8	8.3	4	25.4	76
8	5/8-8	<b>MTI0500D11 8 ACME</b>	1/2	10.4	4	27.9	89
6	3/4-6 7/8-6	<b>MTI0500D12 6 ACME</b>	1/2	12.0	4	30.5	89
5	1-5 1 1/8-5 1 1/4-5	<b>MTI 0625E15 5 ACME</b>	5/8	15.9	5	38.1	102

Order example: MTI 0375D10 10ACME MT8