



MTI系列用于深孔螺纹加工



MTI - For threading deep parts MTI-用于深孔螺纹零件

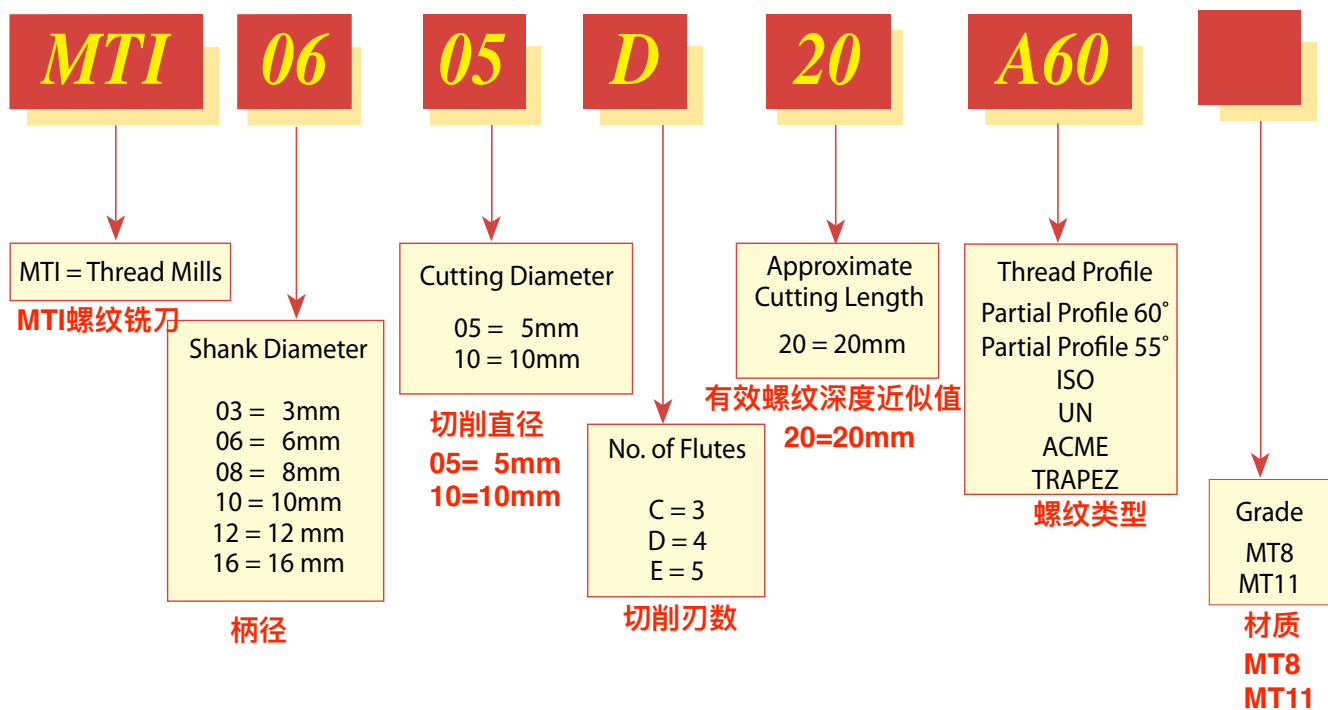
Carbide grade: MT8 Sub-micron grade with advanced PVD triple coating (ISO K10-K20). Extremely high heat resistant and smooth cutting operation, for high performance, and normal machining conditions. General purpose for all materials. **MT8 亚微颗粒级三层PVD涂层 (ISO-K10-K20), 高耐热高耐磨和平稳切削, 高效率 and 正常加工, 通用于所有材料**

MT11 Ultra-fine Sub-micron grade with advanced PVD triple blue coating. **MT11 特细亚微颗粒三层蓝色PVD涂层**



Mini Mill-Thread MTI Ordering Codes

迷你螺纹铣刀MTI订货编号





Mini Mill - Thread

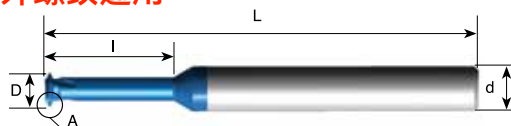
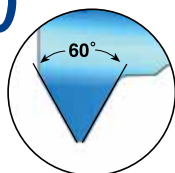
迷你螺纹铣刀



60°-不完整牙 / ISO-UN通用 / 无内冷/ 内外螺纹通用

Partial Profile 60°

Same Tool for Internal and External Thread



螺距与牙数		订货号	公制粗牙	公制细牙	美制-UN/UNC/UNS/UNF/UNEF	柄径	切削直径	切削刃数	有效刃长	总长
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	MTI03012C3 A60	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	MTI03014C4 A60	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	MTI03019C5 A60	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	MTI03024C7 A60	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	MTI06032C9 A60	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	MTI0604C12 A60	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

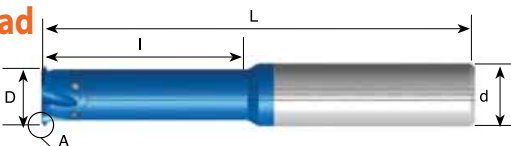
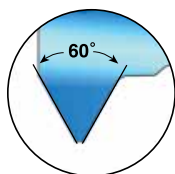
Order example: MTI 03024C7 A60 MT11 订货样式: MTI 03024C7 A60 MT11

Carbide grade: MT11 Ultra-fine Sub-micron grade with PVD triple Blue coating 材质: MT11 特细的亚微颗粒级三层蓝色PVD涂层

Partial Profile 60°

With internal coolant through the flutes

Same Tool for Internal and External Thread



由于深螺纹零件
For threading deep parts

螺距	每吋牙数	螺纹直径	订货号	柄径	切削直径	切削刃数	有效长度	总长
Pitch mm	Pitch TPI	Thread Dia. (mm)	Ordering Code	d	D	No. of Flutes	I	L
Int. 0.5 - 0.8	56-28	ø ≥ 6	MTI0605D20 A60	6	5.0	4	20	58
Ex. 0.4 - 0.8	64-32	ø ≥ 9	MTI0808D28 A60	8	8.0	4	28	64
		ø ≥ 13	MTI1212E38 A60	12	12.0	5	38	84
		ø ≥ 10	MTI0808D30 A60	8	8.0	4	30	64
Int. 1.0 - 1.75	28-14	ø ≥ 12	MTI1010D35 A60	10	10.0	4	35	73
Ex. 0.8 - 1.5	32-16	ø ≥ 14	MTI1212E39 A60	12	12.0	5	39	84
		ø ≥ 16	MTI1212E40 A60	12	12.0	5	40	84
Int. 2.0 - 3.0	13- 8	ø ≥ 18	MTI1614E45 A60	16	14.0	5	45	101
Ex. 1.75-2.5	15-10	ø ≥ 20	MTI1616E50 A60	16	16.0	5	50	101

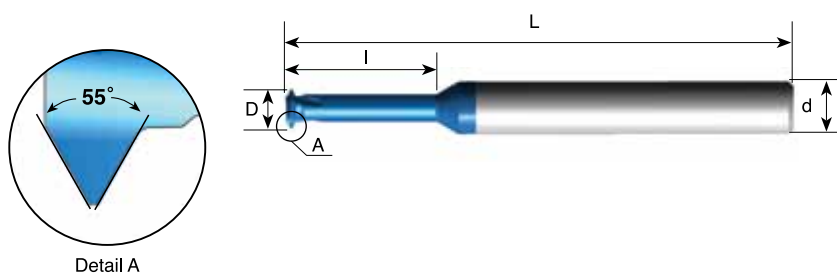
Order example: MTI 0808D28 A60 MT8 订货式样: MTI 0808D28 A60 MT8

Carbide grade: MT8 With triple Blue coating 硬质合金级别: MT8 三层蓝色PVD涂层



Partial Profile 55° 55° 不完整牙 / 无内冷 / 内外螺纹通用

Same Tool for Internal and External Thread



每吋牙数 Pitch TPI	订货号 Ordering Code	柄径 d	切削直径 D	切削刃数 No. of Flutes	有效长度 I	总长 L
40-32	MTI03023C7 A55	3	2.25	3	7.0	39
28-20	MTI06044C14 A55	6	4.35	3	14.0	58
28-18	MTI06059C20 A55	6	5.85	3	20.5	58
20-14	MTI0807C23 A55	8	7.00	3	23.0	64

Order example: MTI 06044C14A55 MT11 订货样式: MTI 06044C14 A55 MT11

Carbide grade: MT11 Ultra-fine Sub-micron grade with PVD triple Blue coating 材质: MT11特细的亚微颗粒级带三层蓝色PVD涂层



Mini Mill - Thread

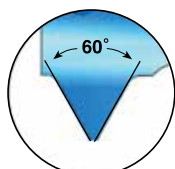
迷你螺纹铣刀



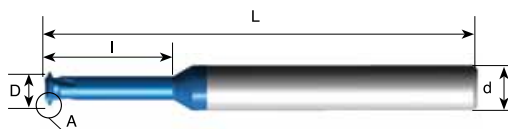
ISO

ISO-标准牙 / 无内冷 / 只能用于内螺纹

Tools for Internal Thread



Detail A



For thread depth up to $3.5 \times D1$ 3.5倍径螺纹深度

螺距 Pitch mm	公制粗牙 M Coarse	公制细牙 M Fine	订货号 Ordering Code	柄径 d	切削直径 D	切削刃数 No. of Flutes	有效长度 I	总长 L
0.25	M1 x 0.25		MTI03007C3 0.25 ISO	3	0.72	3	3.6	39
0.25	M1.2 x 0.25	M1.4 x 0.25 M1.6 x 0.25	MTI03009C4 0.25 ISO	3	0.90	3	4.3	39
0.3	M1.4 x 0.3		MTI03011C5 0.3 ISO	3	1.05	3	5.0	39
0.35	M1.6 x 0.35	M2 x 0.35 M2.2 x 0.35	MTI03012C6 0.35 ISO	3	1.20	3	5.7	39
0.4	M2 x 0.4		MTI03016C7 0.4 ISO	3	1.55	3	7.1	39
0.5	M3 x 0.5	M3.5 x 0.5 M4 x 0.5	MTI03024C10 0.5 ISO	3	2.37	3	10.6	39

Order example: MTI 03012C6 0.35 ISO MT11 订货样式: MTI 03012C0.35 ISO MT11

Carbide grade: MT11 Ultra-fine Sub-micron grade with PVD triple Blue coating 材质: MT11 特细亚微颗粒级三层蓝色PVD涂层

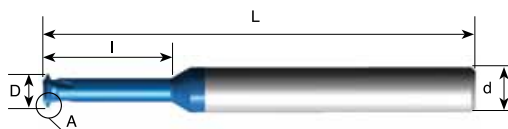
UN

UN-标准牙 / 无内冷 / 只能用于内螺纹

Tools for Internal Thread



Detail A



For thread depth up to $3.5 \times D1$ 3.5倍径螺纹深度

每吋牙数 Pitch TPI	美制-UNC/UNF UNC	UNF	订货号 Ordering Code	柄径 d	切削直径 D	切削刃数 No. of Flutes	有效刃长 I	总长 L
80		0	MTI03012C5 80 UN	3	1.15	3	5.5	39
72		1	MTI03015C7 72 UN	3	1.45	3	6.6	39
56	2	3	MTI03016C9 56 UN	3	1.65	3	8.9	39
40	4		MTI03021C10 40 UN	3	2.10	3	10.1	39

Order example: MTI 03016C9 56 UN MT11 订货样式: MTI 03016C9 56 UN MT11

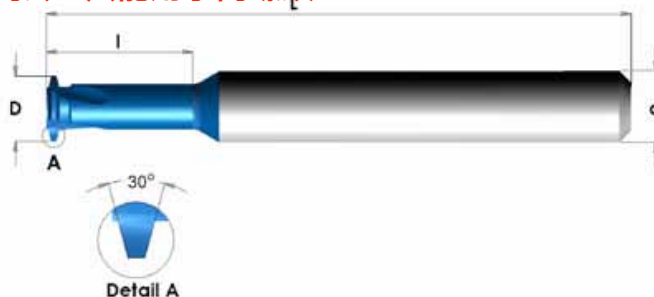
Carbide grade: MT11 Ultra-fine Sub-micron grade with PVD triple Blue coating 材质: MT11 特细亚微颗粒级三层蓝色PVD涂层



30° 梯型螺纹 / DIN 103 / 无内冷 / 只能用于内螺纹

Trapez-DIN 103

Tools for Internal Thread



2倍径螺纹深度

For thread depth up to 2 x D1

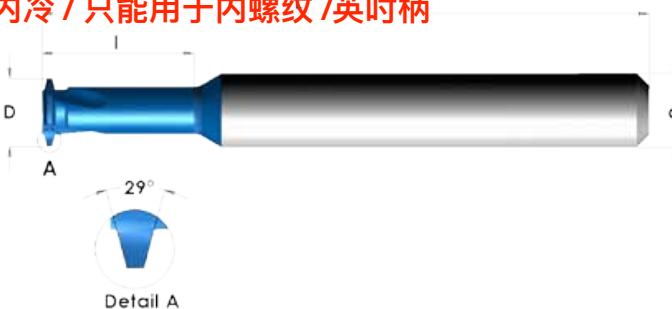
螺距 Pitch mm	螺纹规格 Thread size	订货号 Ordering Code	柄径 d	切削直径 D	切削刃数 No. of Flutes	有效长度 l	总长 L
1.5	Tr8x1.5 Tr9x1.5	MTI06055C13 1.5 TR	6	5.5	3	13.5	58
2	Tr10x2 Tr11x2	MTI08066C21 2 TR	8	6.6	3	21.0	64
2	Tr12x2 Tr14x2	MTI10086D25 2 TR	10	8.6	4	25.0	73
3	Tr12x3	MTI0807C25 3 TR	8	7.0	3	25.0	64
3	Tr14x3 Tr22x3	MTI10089D29 3 TR	10	8.9	4	29.0	73
4	Tr16x4 Tr18x4 Tr20x4	MTI10092C33 4 TR	10	9.2	3	33.0	73
5	Tr22x5 Tr24x5 Tr26x5	MTI14135D45 5 TR	14	13.5	4	45.0	105

Order example: MTI 08066C21 2TR MT8 订货样式: MTI 08066C21 2TR MT8

29° 美国ACME梯型螺纹 / 无内冷 / 只能用于内螺纹 / 英吋柄

Acme

Tools for Internal Thread -
Inch Shank



每吋牙数 Pitch TPI	螺纹规格 Thread size	订货号 Ordering Code	柄径 d	切削直径 D	切削刃数 No. of Flutes	有效长度 l	总长 L
16	1/4-16	MTI0250C04 16 ACME	1/4	4.3	3	9.7	64
14	5/16-14	MTI0250C06 14 ACME	1/4	5.2	3	15.2	64
12	3/8-12 7/16-12	MTI0250C08 12 ACME	1/4	6.1	3	19.1	64
10	1/2-10	MTI0375D10 10 ACME	3/8	8.3	4	25.4	76
8	5/8-8	MTI0500D11 8 ACME	1/2	10.4	4	27.9	89
6	3/4-6 7/8-6	MTI0500D12 6 ACME	1/2	12.0	4	30.5	89
5	1-5 1 1/8-5 1 1/4-5	MTI 0625E15 5 ACME	5/8	15.9	5	38.1	102

Order example: MTI 0375D10 10ACME MT8 订货式样: MTI 03075D10 10ACME MT8

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