



DELEVEL
CARBIDE CUTTING TOOLS

DELEVELTOOL.COM

Cutting Tools Catalog

EDITION
2026



DRILLS

Solid carbide, coolant, deep-hole, micro and replaceable-head drills

BORING

Small-diameter boring, grooving and threading tools

MILLING

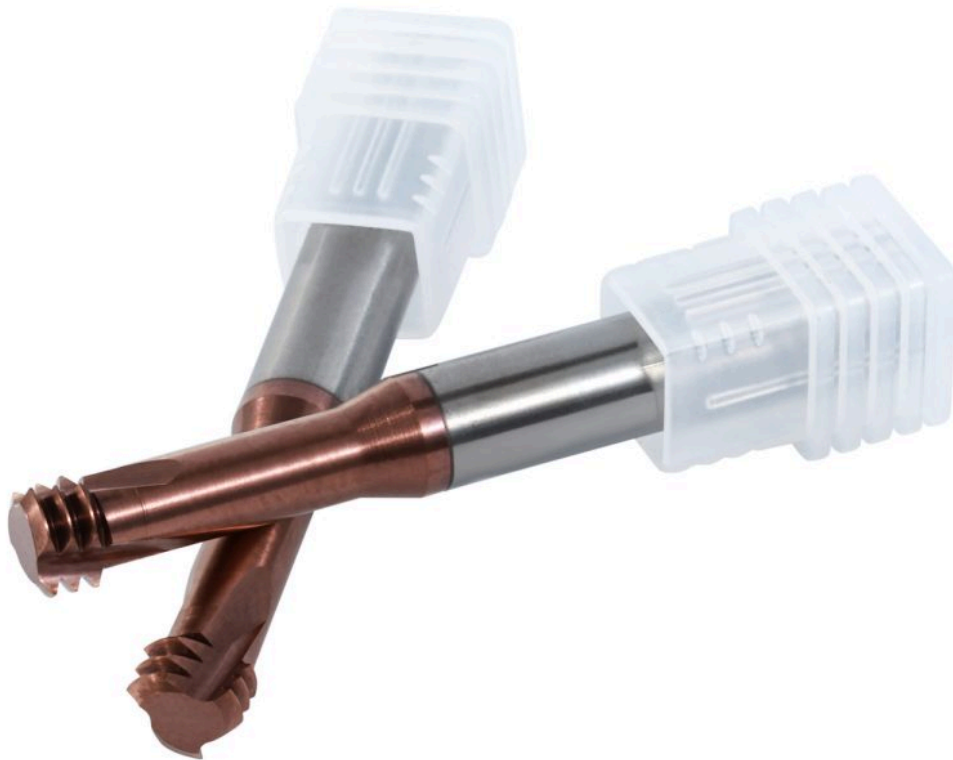
Anti-vibration, multi-flute and ball nose end mills

THREADS & MODULAR

Thread mills and modular tool systems

Solid Carbide Thread Mills

Metric, unified, pipe, trapezoidal, ACME and PG thread mills: single-form, 3-tooth, multi-row and multi-function designs, plus tools for hardened steel up to 65 HRC.



METRIC · UN

60° single-form, 3-tooth, multi-row, partial-profile

PIPE · SPECIAL

NPT, BSP, BSPT, TR, ACME, PG

HARD · MULTI

GX, T, RX; drill-thread and no-pre-drill tools

Thread Mills

Solid carbide, one tool for many thread sizes of the same pitch



Threads in any material

Steel, stainless steel, cast iron, non-ferrous metals, titanium, superalloys and hardened steel up to 65 HRC.

Short chips, safe holes

Thread milling makes short chips and no broken taps; one tool cuts right- or left-hand threads.

Read the tables

Choose by pitch and thread size, then reach L1. © best, ○ suitable for each workpiece group.

M0.8–M80

metric sizes

No.0–1"

unified sizes

≤65 HRC

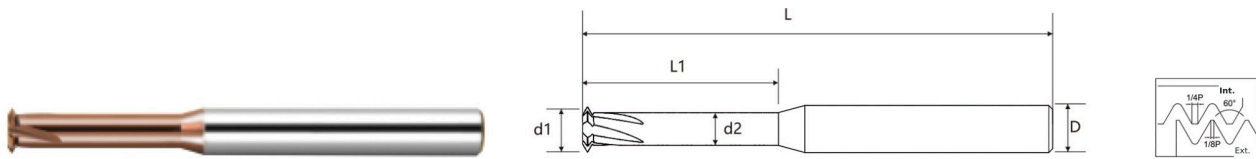
RX hardened-steel series

4–16

shank D, mm

60° Metric Single-Form Thread Mills

One profile tooth; one tool for many thread sizes of the same pitch



P			M		K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium		≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○		○			

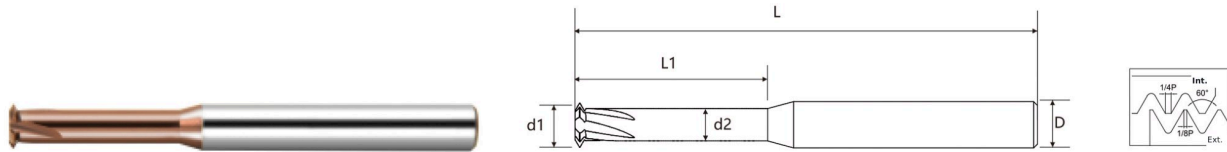
PITCH mm	COARSE	FINE	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES	PRE-HOLE Ø
0.2	M0.8×0.2		0.55	0.29	1.5	4	50	2	0.6
0.25	M1×0.25	M1.5×0.25	0.7	0.375	3.1	4	50	3	0.75
0.25	M1.2×0.25	M1.4×0.25	0.9	0.575	3.8	4	50	3	0.95
0.3	M1.4×0.3		1.05	0.66	4	4	50	3	1.1
0.35	M1.6×0.35		1.2	0.745	5	4	50	3	1.25
0.35		M1.8×0.35/M2.0×0.35	1.4	0.945	5.6	4	50	3	1.45
0.4	M2×0.4		1.54	1.02	6	4	50	3	1.6
0.45	M2.5×0.45		1.96	1.375	6.5	4	50	3	2.1
0.5	M3×0.5		2.4	1.75	8	4	50	3	2.5
0.5		M8×0.5	6	5.35	20	6	50	3	7.5
0.6	M3.5×0.6		2.75	1.97	10	4	50	3	2.9
0.7	M4×0.7		3.15	2.24	10	4	50	3	3.3
0.75	M4.5×0.75		3.5	2.525	12	4	50	3	3.8
0.75		M8×0.75	6	5.025	20	6	50	3	7.3
0.8	M5×0.8		4	2.96	12	4	50	3	4.2
1	M6×1		4.8	3.5	15	6	50	3	5
1.25	M8×1.25		6	4.375	20	6	50	3	6.8
1.25	M8×1.25		6.5	4.87	25	8	60	3	6.8
1.5	M10×1.5		8	6.05	25	8	60	3	8.5
1.5	M10×1.5		8.2	6.25	31	10	75	4	8.5
1.5		M14×1.5	12	10.05	30	12	75	4	12.5
1.75	M12×1.75		10	7.725	30	10	75	4	10.3
2	M14×2		10	7.4	36	10	75	4	12
2	M14×2		11.6	9	45	12	75	4	12
2	M16×2		12	9.4	45	12	75	4	14
2	M16×2		13.6	11	50	14	100	5	14
2.5	M18-M20×2.5		14	10.75	48	14	90	5	15.5
2.5	M20×2.5		16	12.75	61	16	100	5	17.6
3	M24×3.0		14	10.1	48	14	90	5	21
3.5	M30×3.5		16	11.45	50	16	90	5	26.5

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

60° M Single-Form Thread Mills

Reach 3xD and 4xD

3D · $L1 \geq 3 \times \text{thread dia.}$



P			M	K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○	○			

PITCH mm	THREAD	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES
0.3	M1.4×0.3	1.05	0.6	4.4	4	50	3
0.35	M1.6×0.35	1.2	0.745	5	4	50	3
0.4	M2×0.4	1.5	1.02	6.2	4	50	3
0.45	M2.5×0.45	1.95	1.375	7.7	4	50	3
0.5	M3×0.5	2.4	1.75	9.2	4	50	3
0.7	M4×0.7	3.15	2.14	13	4	50	3
0.8	M5×0.8	3.9	2.96	16	4	50	3
1	M6×1.0	4.85	3.5	20	6	50	4

4D · $L1 \geq 4 \times \text{thread dia.}$

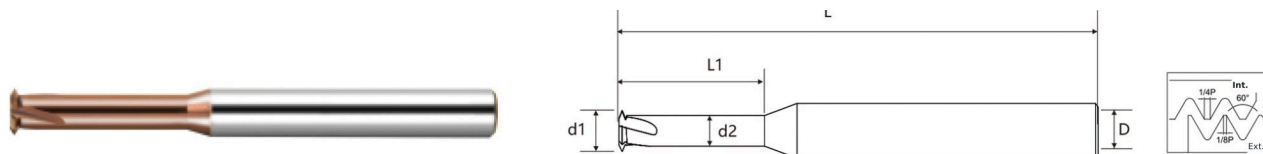
PITCH mm	THREAD	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES
0.3	M1.4×0.3	1.05	0.6	5.9	4	50	3
0.35	M1.6×0.35	1.2	0.745	6.8	4	50	3
0.4	M2×0.4	1.5	1.02	8.4	4	50	3
0.45	M2.5×0.45	1.95	1.375	10.5	4	50	3
0.5	M3×0.5	2.4	1.75	12.5	4	50	3
0.7	M4×0.7	3.15	2.14	16.7	4	50	3
0.8	M5×0.8	3.9	2.96	20.8	4	50	3
1	M6×1.0	4.85	3.5	25	6	50	4

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

60° M Long Single-Form Thread Mills

Overall length 75 and 100 mm

75 mm long



P			M	K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○	○			

PITCH mm	THREAD	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES
0.3	M1.4×0.3	1.05	0.66	5	4	75	3
0.35	M1.6×0.35	1.2	0.745	6	4	75	3
0.4	M2×0.4	1.55	0.9	8	4	75	3
0.45	M2.5×0.45	1.96	1.3	10	4	75	3
0.5	M3×0.5	2.35	1.6	12	4	75	3
0.7	M4×0.7	3.15	2.1	16	4	75	3
0.8	M5×0.8	3.9	2.8	20	4	75	3
1	M6×1	4.8	3.4	24	6	75	3
1.25	M8×1.25	6	4.2	32	6	75	3
1.5	M10×1.5	7.7	5.6	35	8	75	3

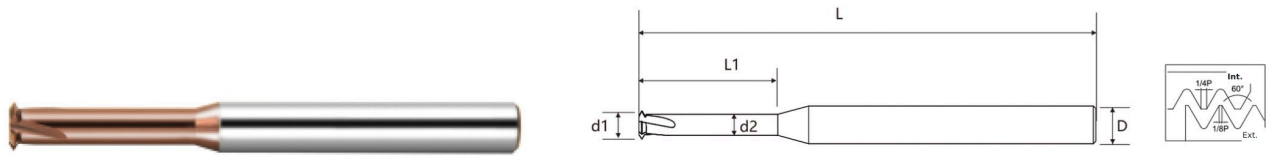
100 mm long

PITCH mm	THREAD	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES
0.3	M1.4×0.3	1.05	0.66	4	4	100	3
0.35	M1.6×0.35	1.2	0.745	4.5	4	100	3
0.4	M2×0.4	1.55	0.9	6	4	100	3
0.45	M2.5×0.45	1.96	1.3	6.5	4	100	4
0.5	M3×0.5	2.35	1.6	8	4	100	4
0.7	M4×0.7	3.15	2.1	10	4	100	4
0.8	M5×0.8	3.9	2.8	12	4	100	4
1	M6×1	4.8	3.4	15	6	100	4
1.25	M8×1.25	6	4.2	20	6	100	4
1.5	M10×1.5	7.7	5.6	25	8	100	4
1.75	M12×1.75	9.6	7.3	30	10	100	4
2	M14×2	10	7.3	36	10	100	4
2.5	M18×2.5	12	8.75	38	12	100	4
3	M24×3.0	14	10.1	48	14	100	6
3.5	M30×3.5	16	11.45	50	16	100	6

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

60° M / UN Partial-Profile Thread Mills

One tool covers a pitch range, 3D reach



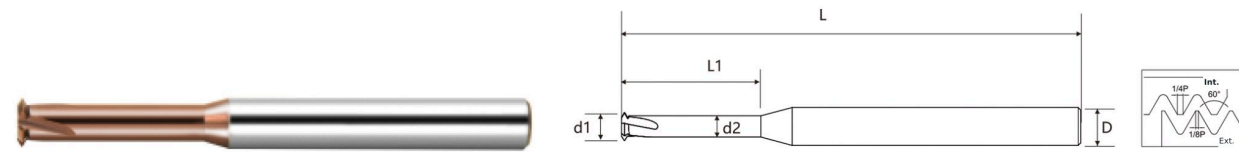
P		M		K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○	○			

TPI	PITCH mm	COARSE	FINE	DIA. d1	REACH L1	SHANK D	OAL L	FLUTES
	0.25	M1×0.25	M1.4×0.25	0.7	3.1	4	50	3
	0.25	M1.2×0.25	M1.4×0.25	0.9	3.8	4	50	3
80	0.3	M1.4×0.3		1.05	4.4	4	50	3
72-80	0.35	M1.6×0.35	M1.7-M1.8×0.35	1.2	5	4	50	3
56-64	0.4	M2×0.4		1.5	6.2	4	50	3
48-56	0.45	M2.5×0.45	M4-M5×0.45	1.95	7.7	4	50	3
48-56	0.5	M3×0.5		2.4	9.2	4	50	3
40	0.6	M3.5×0.6		2.75	12	4	50	3
	0.7	M4×0.7		3.15	13	4	50	3
32-56	0.5-0.8	M5×0.8	M5×0.5, M5×0.75	3.9	16	4	50	3
24-56	0.5-1.0	M6×1	M6×0.5, M6×0.75	4.85	20	6	60	4
20-48	0.5-1.25	M8×1.25	M7×0.5, M7×0.75, M7.5×1	5.9	25	6	60	4
24-56	0.5-1.0		M10.5×0.5, M11×0.75, M11×1	9.9	35	10	75	5
16-24	1.0-1.5	M10×1.5	M10×1, M10×1.25	7.9	32	8	60	5
14-24	1.0-1.75	M12×1.75	M12×1,, M12×1.25,, M12×1.5	9.9	38	10	75	5
14-24	1.0-1.75	M14-M16×2	M13.5×1, M14×1.25, M14×1.5	11.9	45	12	75	5
12-20	1.25-2.0			11.6	45	12	75	5
10-18	1.5-2.5	M18×2.5		13.9	50	14	90	6
10-18	1.5-2.5	M20×2.5		13.9	55	14	90	6
10-18	2.0-3.0	M24×3		13.9	65	16	100	6

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

60° Partial-Profile Thread Mills, UN / M

Metric and unified sizes covered by each tool



P			M	K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○	○			

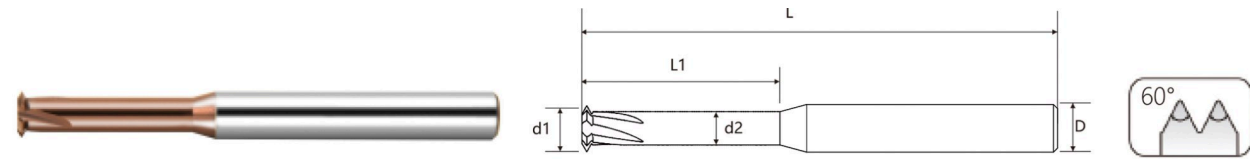
TPI	PITCH mm	COARSE		FINE	UNC · UNF · UNEF		DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES
32-56	0.5-0.8	M5×0.8		M5×0.5, M5×0.75	No.10-56UNS, No.10-48UNS, No.10-40UNS, M5×0.75		3.9	2.8	16	4	50	4
24-56	0.5-1.0	M6×1.0		M6×0.5, M6×0.75	No.12-56UNS, No.12-48UNS, 1/4-40UNS, 1/4-36UNS, 1/4-32UNEF, 1/4-28UNF, 1/4-27UNS, 1/4-24UNS		4.85	3.5	20	6	60	5
20-48	0.5-1.25	M8×1.25		M7×0.5, M7×0.75, M7.5×1.0	5/16-48UNS, 5/16-40UNS, 5/16-36UNS, 5/16-36UNEF, 5/16-28UN, 5/16-27UNS, 5/16-24UNS, 5/16-20UNS		5.9	4.2	25	6	60	5
24-56	0.5-1.0			M10×0.5, M11×0.75, M11×1.0	7/16-32UNS, 7/16-28UNEF, 7/16-27UNS, 7/16-24UNS		9.8	8.5	35	10	75	6
13-24	1.0-1.50	M10×1.5		M10×1.0, M10×1.25	3/8-24UNF, 3/8-20UNS, 7/16-18UNS, 7/16-16UNS		7.9	5.8	32	8	75	6
14-24	1.0-1.75	M12×1.75		M12×1.0, M12×1.25, M12×1.5	1/2-24UNS, 1/2-20UNS, 1/2-18UNS, 1/2-16UNS, 1/2-14UNS		9.9	7.6	38	10	75	6
14-24	1.0-2.0	M16×2.0		M13.5×1.0, M14×1.25, M14×1.5	9/16-24UNEF, 9/16-18UNF, 5/8-18UNF, 3/4-16UNF, 7/8-14UNF		11.9	9.6	40	12	75	6
9-12	2.0-3.0	M18×2.5, M20×2.5, M22×2.5, M24×3.0, M27×3.0			9/16-12UNC, 5/8-11UNC, 3/4-10UNC, 7/8-9UNC		14	10.2	48	14	100	6
8-12	2.0-3.5	M20×2.5, M22×2.5, M24×3.0, M27×3.0, M30×3.5, M33×3.5			9/16-12UNC, 5/8-11UNC, 3/4-10UNC, 1-8UNC		16	11.5	50	16	100	6

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

60° Metric Thread Mills, Large Shank

Single-form and 3-tooth, 6 mm shank

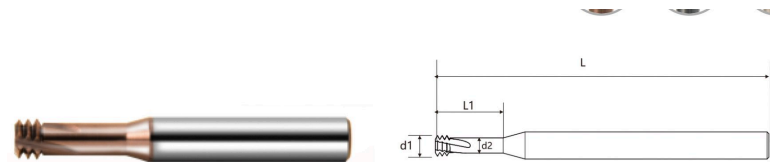
Single-form



P			M	K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○	○			

PITCH mm	THREAD	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES
0.35	M1.6×0.35	1.2	0.75	5	6	50	3
0.4	M2×0.4	1.5	0.98	6.2	6	50	3
0.45	M2.5×0.45	1.95	1.36	7.7	6	50	3
0.5	M3×0.5	2.4	1.75	9	6	50	3
0.7	M4×0.7	3.15	2.24	12	6	50	3
0.8	M5×0.8	4	2.96	15	6	50	3

3-tooth

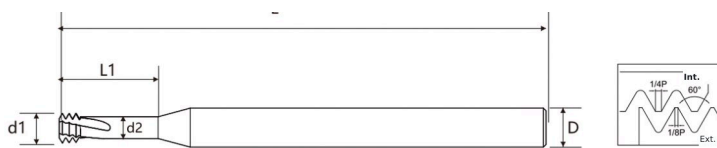


PITCH mm	THREAD	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES
0.35	M1.6×0.35	1.2	0.75	3.3	6	50	3
0.4	M2×0.4	1.54	1.02	4.4	6	50	3
0.45	M2.5×0.45	1.96	1.37	5.3	6	50	3
0.5	M3×0.5	2.4	1.75	6.4	6	50	3
0.7	M4×0.7	3.15	2.24	8.6	6	50	3
0.8	M5×0.8	4	2.96	12	6	50	3

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

60° Metric 3-Tooth Thread Mills

Three profile teeth for faster threading



P			M		K	N				S	H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○	○			

PITCH mm	COARSE	FINE	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES	PRE-HOLE Ø
0.25	M1×0.25		0.7	0.375	2.8	4	50	3	0.75
0.25	M1.2×0.25		0.9	0.575	3	4	50	3	0.95
0.3	M1.4×0.3		1.05	0.66	3.2	4	50	3	1.1
0.35	M1.6×0.35	M1.8×0.35	1.2	0.745	4	4	50	3	1.25
0.35			1.41	0.955	4.1	4	50	3	1.45
0.4	M2×0.4		1.54	1.02	4.4	4	50	3	1.6
0.45	M2.5×0.45		1.96	1.375	5.3	4	50	3	2.1
0.5	M3×0.5	M3.5×0.5	2.4	1.75	6.4	4	50	3	2.5
0.5		M4-M6×0.5	3	2.35	8.6	4	50	3	3.5
0.5		M6-M10×0.5	4.8	4.15	13	6	50	3	5.5
0.5		M10-M16×0.5	8	7.35	21.8	8	60	3	9.5
0.6	M3.5×0.6		2.75	1.94	7.4	4	50	3	2.9
0.7	M4×0.7		3.15	2.24	8.6	4	50	3	3.3
0.75	M4.5×0.75		3.5	2.525	9.5	4	50	3	3.8
0.75		M6×0.75	4.8	3.825	13	6	50	3	5.3
0.75		M8×0.75	6	5.025	16	6	50	3	7.3
0.75		M10×0.75	8	7.025	21.8	8	60	3	9.3
0.8	M5×0.8		4	2.96	12	4	50	3	4.2
1	M6×1		4.8	3.5	13	6	50	3	5
1		M8×1	6	4.7	16	6	50	3	7
1		M10×1	8	6.7	21.8	8	60	3	9
1		M12×1	10	8.7	25	10	75	4	11
1		M14×1	10	8.7	28	10	75	4	13
1		M16×1	12	10.7	30	12	75	4	15

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

60° Metric 3-Tooth Thread Mills (cont.)

Three profile teeth for faster threading

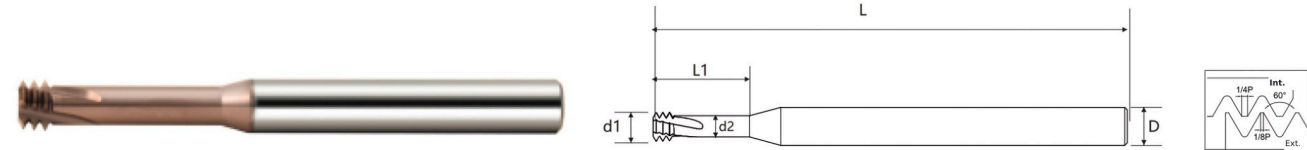
PITCH mm	COARSE	FINE	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES	PRE-HOLE Ø
1		M20-M40×1	15.8	14.5	40	16	90	4	19
1.25	M8×1.25		6	4.375	16	6	50	3	6.8
1.25	M8×1.25		6.5	4.87	20	8	60	3	6.8
1.25		M10×1.25	8	6.375	21.8	8	60	3	8.8
1.25		M12×1.25	10	8.375	25	10	75	4	10.8
1.25		M14×1.25	10	8.375	28	10	75	4	12.8
1.25		M16-M40×1.25	12	10.375	30	12	75	4	14.8
1.5	M10×1.5		8	6.05	21.8	8	60	3	8.5
1.5	M10×1.5		8.2	6.25	21.8	10	75	4	8.8
1.5		M12×1.5	10	8.05	25	10	75	4	10.6
1.5		M14×1.5	12	10.05	28	12	75	4	12.6
1.5		M16×1.5	12	10.05	30	12	75	4	14.6
1.5		M20-M40×1.5	15.8	13.85	40	16	90	4	18.6
1.75	M12×1.75		10	7.725	25	10	75	4	10.3
2	M14×2		10	7.4	25	10	75	4	12.1
2	M14×2		11.6	9	29	12	74	4	12.1
2	M16×2		12	9.4	27	12	75	4	14.1
2	M16×2		13.6	11	50	14	100	4	14.1
2		M20-M40×2	15.8	13.2	40	16	90	4	18.1
2.5	M18-M20×2.5		14	10.75	40	14	90	4	15.5
2.5	M20×2.5		16	12.75	61	16	100	4	17.6
3	M24×3.0		16	12.1	45	16	90	4	21.2
3.5	M30×3.5		16	11.45	48	16	90	4	26.5

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

60° M 3-Tooth Thread Mills

Reach 3xD and 4xD

3D · $L1 \geq 3 \times \text{thread dia.}$



P			M	K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○	○			
PITCH mm	THREAD	DIA. d1		NECK d2		REACH L1		SHANK D		OAL L		FLUTES		
0.3	M1.4×0.3	1.05		0.66		4.2		4		50		3		
0.35	M1.6×0.35	1.2		0.745		4.8		4		50		3		
0.4	M2×0.4	1.55		1.02		6		4		50		3		
0.45	M2.5×0.45	1.95		1.375		7.5		4		50		3		
0.5	M3×0.5	2.4		1.75		9		4		50		3		
0.7	M4×0.7	3.15		2.14		12		4		50		3		
0.8	M5×0.8	3.9		2.96		15		4		50		3		
1	M6×1.0	4.8		3.5		18		6		50		3		

4D · $L1 \geq 4 \times \text{thread dia.}$

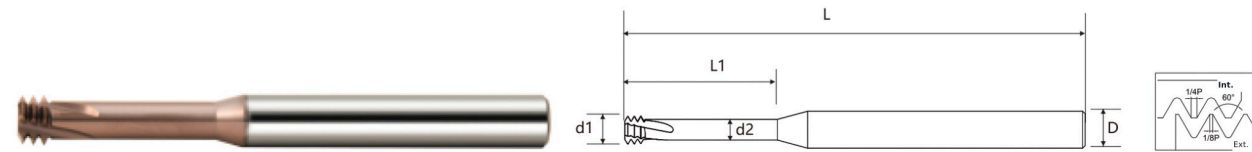
PITCH mm	THREAD	DIA. d1		NECK d2		REACH L1		SHANK D		OAL L		FLUTES		
0.3	M1.4×0.3	1.05		0.66		5.6		4		50		3		
0.35	M1.6×0.35	1.2		0.745		6.4		4		50		3		
0.4	M2×0.4	1.55		1.02		8		4		50		3		
0.45	M2.5×0.45	1.95		1.375		10		4		50		3		
0.5	M3×0.5	2.4		1.75		12		4		50		3		
0.7	M4×0.7	3.15		2.14		16		4		50		3		
0.8	M5×0.8	3.9		2.96		20		4		50		3		
1	M6×1.0	4.8		3.5		24		6		60		3		

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

60° M Long 3-Tooth Thread Mills

Overall length 75 and 100 mm

75 mm long



P			M	K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○	○			

PITCH mm	THREAD	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES
0.35	M1.6×0.35	1.2	0.745	6.4	4	75	3
0.4	M2×0.4	1.55	1.03	8	4	75	3
0.45	M2.5×0.45	1.96	1.375	10	4	75	3
0.5	M3×0.5	2.4	1.75	12	4	75	3
0.7	M4×0.7	3.15	2.24	16	4	75	3
0.8	M5×0.8	4	2.96	20	4	75	3
1	M6×1	4.8	3.5	15	6	75	3
1.25	M8×1.25	6	4.375	32	6	75	3
1.5	M10×1.5	8	6.05	35	8	75	—

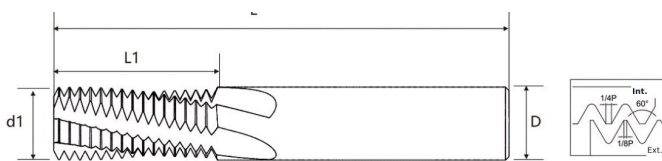
100 mm long

PITCH mm	THREAD	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES
0.35	M1.6×0.35	1.2	0.745	6.4	4	100	3
0.35	M1.6×0.35	1.2	0.745	3.2	6	100	3
0.4	M2×0.4	1.55	1.03	8	4	100	3
0.4	M2×0.4	1.55	1.03	4	6	100	3
0.45	M2.5×0.45	1.96	1.375	10	4	100	3
0.45	M2.5×0.45	1.96	1.375	5	6	100	3
0.5	M3×0.5	2.4	1.75	12	4	100	3
0.5	M3×0.5	2.4	1.75	6	6	100	3
0.7	M4×0.7	3.15	2.24	16	4	100	3
0.7	M4×0.7	3.15	2.24	8	6	100	3
0.8	M5×0.8	4	2.96	20	4	100	3
0.8	M5×0.8	4	2.96	10	6	100	3
1	M6×1	4.8	3.5	12	6	100	3
1.25	M8×1.25	6	4.375	16	6	100	4
1.5	M10×1.5	8	6.05	21.8	8	100	4
1.75	M12×1.75	10	7.725	24	10	100	4
2	M14×2	10	7.4	37	10	100	4

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

60° Metric Multi-Row Thread Mills

Full-length thread form, one revolution per thread



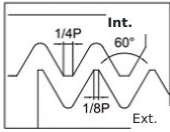
P			M	K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○	○			

PITCH mm	COARSE	FINE	DIA. d1	REACH L1	SHANK D	FLUTES	PRE-HOLE Ø
0.35	M1.6×0.35		1.2	3.4	4	3	1.25
0.4	M2×0.4		1.54	5	4	3	1.6
0.45	M2.5×0.45		1.96	5.3	4	3	2.05
0.5	M3×0.5		2.3	6	4	3	2.5
0.5		M6×0.5	4	10	4	3	5.5
0.5		M8-M12×0.5	6	16	6	3	7.5
0.6	M3.5×0.6		2.7	7	4	3	2.9
0.7	M4×0.7		3	8	4	3	3.3
0.75	M4.5×0.75		3.4	9	4	3	3.75
0.75		M6×0.75	4.8	12	6	3	5.25
0.75		M8×0.75	6	16	6	3	7.25
0.75		M10-M12×0.75	8	20	8	3	9.25
0.8	M5×0.8		4	10	4	3	4.2
1	M6×1		4.8	12	6	3	5
1		M8×1	6	16	6	3	7
1		M10×1	8	20	8	3	9
1		M12-M14×1	10	22	10	4	11
1		M16×1	12	22	12	4	15
1		M20-M48×1	16	30	16	4	19
1.25	M8×1.25		6	16	6	3	6.75
1.25	M8×1.25		6.5	17.5	8	3	6.75
1.25		M10×1.25	8	20	8	3	8.75
1.25		M12-M14×1.25	10	25	10	4	10.75
1.5	M10×1.5		8	20	8	3	8.5
1.5	M10×1.5		8.2	21	10	4	8.5
1.5		M12-M20×1.5	10	28	10	4	10.5
1.5		M14-M24×1.5	12	28	12	4	12.5
1.5		M20-M48×1.5	16	30	16	4	18.5
1.75	M12×1.75		9.8	30	10	4	10.25
2	M14×2.0		10	30	10	4	12
2	M14×2.0		11.6	30	12	4	12
2	M16×2.0		12	30	12	4	14
2	M16×2.0		13.6	33	14	4	14
2		M20-M80×2.0	16	40	16	4	18
2.5	M18-M20×2.5		14	36	14	4	15.5
2.5		M20-M80×2.5	16	40	16	4	17.5
3	M24×3.0		16	42	16	4	21
3.5	M30×3.5		16	42	16	4	26.5

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

60° UN Single-Form Thread Mills

Unified threads, pitch in TPI

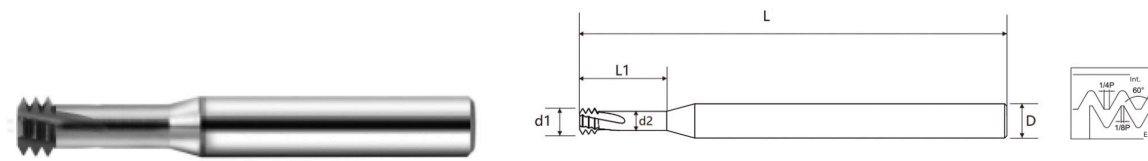


P			M	K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○	○			
TPI	UNC		UNF			DIA. d1	NECK d2	REACH L1		SHANK D	OAL L	FLUTES		PRE-HOLE Ø
80			No.0-80			1.15	0.737	4.6		4	50	3		1.3
72			No.1-72			1.45	0.991	3.9		4	50	3		1.6
56	No.2-56		No.3-56			1.65	1.06	6.5		4	50	3		1.8
40	No.4, No.5-40		No.6-40			2.1	1.275	8.5		4	50	3		2.3
40	No.5-40		No.6-40			2.55	1.6	7.4		4	50	3		2.6
32	No.6, No.8-32		No.10-32			2.55	1.518	7.4		4	50	3		3.5
32	No.8-32		No.10-32			3.2	2.168	11		4	50	3		4.0
32			No.10-32			3.8	2.768	12		4	50	3		4
20	1/4-20		7/16-20			4.88	3.229	20		6	50	3		5.2
16	3/8-16					7.7		20		8	60	3		8

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

60° UN Triple-Form Thread Mills

Unified threads, pitch in TPI



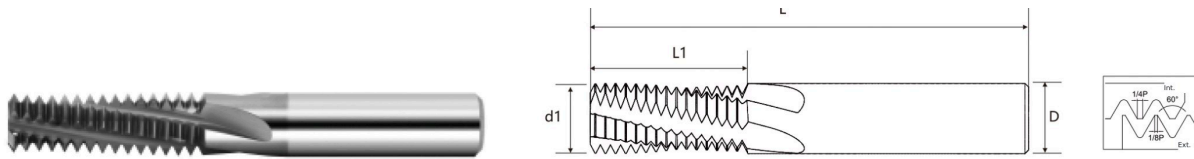
P			M	K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○	○			

TPI	UNC	UNF	DIA. d1	NECK d2	REACH L1	SHANK D	FLUTES
80		No.0-80	1.15	0.737	3.5	4	3
72		No.1-72	1.45	0.991	3.9	4	3
64	No.1-64	No.2-64	1.4	0.884	4.2	4	3
56	No.2-56	No.3-56	1.65	1.06	5	4	3
48	No.3-48	No.4-48	1.9	1.212	6	4	3
40	No.4, No.5-40	No.6-40	2.1	1.275	6	4	3
40	No.5-40	No.6-40	2.45	1.6	7.2	4	3
36		No.8-36	3.3	2.383	8.7	4	3
32	No.6, No.8-32	No.10-32	2.55	1.518	7.4	4	3
32	No.8-32	No.10-32	3.2	2.168	10	4	3
32		No.10-32	3.8	2.768	10.3	4	3
28		1/4-28	5.25	4.071	13.2	6	3
24	No.10-24	5/16-24	3.58	2.204	10.2	4	3
24		5/16-24	6.68	5.304	16.5	8	3
20	1/4-20	7/16-20	4.88	3.229	13.4	6	3
20		7/16-20	9.55	7.899	23	10	4
18	5/16-18		6.15	4.316	16.9	8	3
16	3/8-16		6.7	4.636	19.1	8	3
14	7/16-14		9	6.641	23.3	10	4

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

60° UN Multi-Form Thread Mills

Unified threads, pitch in TPI



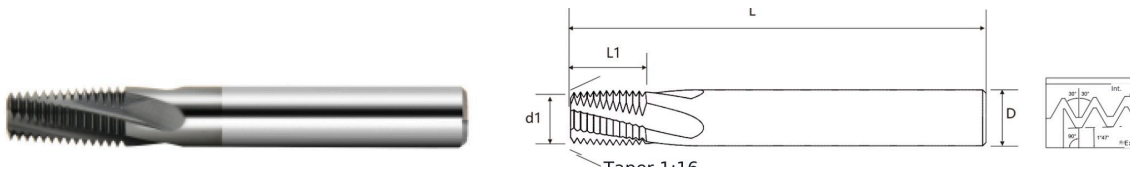
P		M		K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○				

TPI	UNC	UNF	UNEF	DIA. d1	REACH L1	SHANK D	OAL L	FLUTES	PRE-HOLE Ø
36		No.8-36		3	8.5	4	50	3	3.5
32		No.10-32	No.12-3/8-32	3.5	11.1	4	50	3	4
28		No.12-28, 1/4-28	7/16, 1/2-28	4	11.8	4	50	3	4.6
28			7/16, 1/2-28	5	12.7	6	60	3	5.5
28		1/4-28	7/16, 1/2-28	9.2	22.7	10	75	4	10.2
24	No.10-24	5/16, 3/8-24	9/16, 11/16-24	3.2	10.6	4	50	3	3.8
24	No.12-24	5/16, 3/8-24	9/16, 11/16-24	4	11.6	4	50	3	4.5
24		5/16, 3/8-24	9/16, 11/16-24	6	15.9	6	60	3	6.8
24		3/8-24	9/16, 11/16-24	7.8	19.1	8	60	3	8.5
24			9/16, 11/16-24	11.9	28.6	12	75	4	13.2
20	1/4-20	7/16, 1/2-20	3/4, 1-20	4	12.7	4	50	3	5.2
20	1/4-20	7/16, 1/2-20	3/4, 1-20	4.88	13	6	60	3	5.2
20		7/16, 1/2-20	3/4, 1-20	9	22.9	10	75	4	9.8
20		1/2-20	3/4, 1-20	10	25.4	10	75	4	11.5
20			3/4, 1-20	12	38.1	12	75	4	17.8
18	5/16-18	9/16, 5/8-18	11/16, 1 11/16-18	5.8	16.9	6	60	3	6.5
18		9/16, 5/8-18	11/16, 1 11/16-18	10	29.6	10	75	4	12.8
18	3/8-16	5/8-18	11/16, 1 11/16-18	11.9	32.5	12	75	4	14.5
16		3/4-16		7.6	19.1	8	60	3	8
16	7/16-14	3/4-16		12	28	12	75	4	17.5
14		7/8-14		8	20	8	60	3	9.3
14		7/8-14		16	39.9	16	100	4	20.5
13	1/2-13			8	20	8	60	3	10.8
12	9/16-12	1, 1 1/2-12		10	28	10	75	4	12.3
12		1, 1 1/2-12		16	40	16	100	4	23.5
11	5/8-11			12	30	12	75	4	13.5
10	3/4-10			12	30	12	75	4	16.5
9	7/8-9			16	38	16	100	4	19.5
8	1-8			16	40	16	100	4	22

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

NPT / NPTF Taper Pipe Thread Mills

Taper 1:16, pitch in TPI



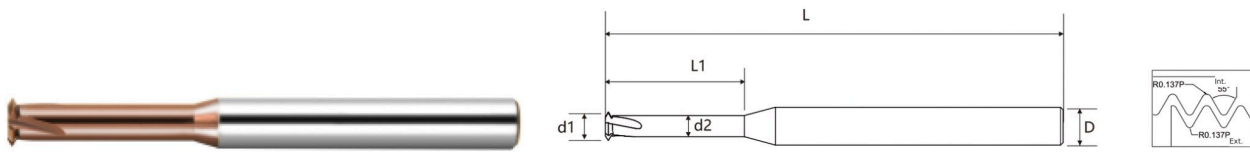
P			M	K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○				

TPI	THREAD	DIA. d1	REACH L1	SHANK D	OAL L	FLUTES	PRE-HOLE Ø
27	1/16", 1/8"	5.2	12	6	60	3	6.3
27	1/8"	7.2	12	8	60	3	8.5
18	1/4"	7.1	14.1	8	60	3	11.1
18	1/4", 3/8"	8.7	20	10	75	4	11.1
18	3/8"	10.6	22	12	75	4	14.5
18	3/8"	12.6	22	14	90	4	14.5
14	1/2"	10.8	18.1	12	75	4	17.7
14	1/2", 3/4", 5/8"	14.4	25	16	90	4	23
11.5	1"-2"	14.1	30	16	90	4	29-56
8	2-1/2", 3"	13.8	35	16	90	4	66.5

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

55° BSP Single-Form Thread Mills

For G, PF, RC and PT threads



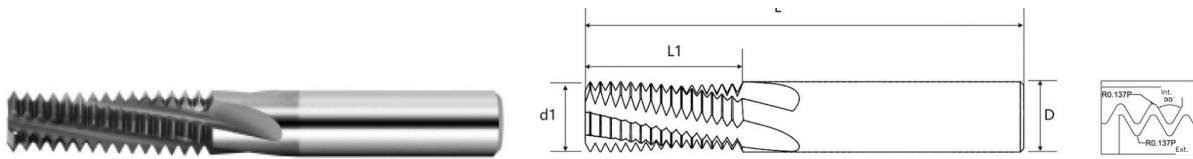
P		M		K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○	○			

PITCH mm	THREAD	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES
P0.793	W5/32	3.1	1.9	8	4	50	4
P1.058	W3/16-24	3.5	2	10	4	50	4
P1.27	W1/4-20	4	2.2	12	4	50	4
P0.907-P1.411	W5/16-18, G1/16-28, G1/8-28	6	4.5	14	6	50	4
P1.336-P1.814	W3/8-16, W7/16-14, G1/4-19, G3/8-19	8	5.9	22	8	60	4
P1.336-P1.814	W7/16-14, G1/2-14, G1/4-19, G3/4-14, G3/8-19	10	7.3	30	10	75	4
P1.336-P2.54	W5/8-11, W3/4-10, G1/2-14, G3/4-14, G1-11	12	8.2	38	12	75	4

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

55° BSP Parallel Pipe Thread Mills

BSP (G), pitch in TPI



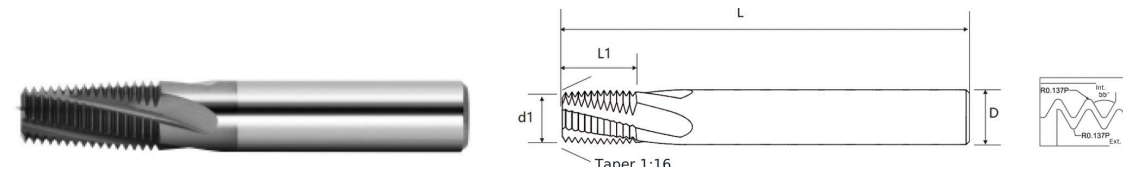
P			M	K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○				

TPI	THREAD	DIA. d1	REACH L1	SHANK D	OAL L	FLUTES	PRE-HOLE Ø
28	G1/16, G1/8	6	12	6	60	3	6.7
28	G1/8	8	12	8	60	3	8.7
19	G1/4	8	18	8	60	3	11.8
19	G1/4, G3/8	10	15	10	75	4	15.2
19	G1/4, G3/8	9.9	26.7	10	75	4	15.2
19	G1/4, G3/8	12	22	12	75	4	15.2
19	G3/8	14	22	14	90	4	19
14	G1/2, G5/8, G3/4	11.9	35	12	83	4	19
14	G1/2, G5/8, G3/4	16	30	16	90	4	23
11	G1"-G4"	16	34	16	90	4	30.7

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

55° BSPT Taper Pipe Thread Mills

BSPT (PT, RC), taper 1:16, pitch in TPI



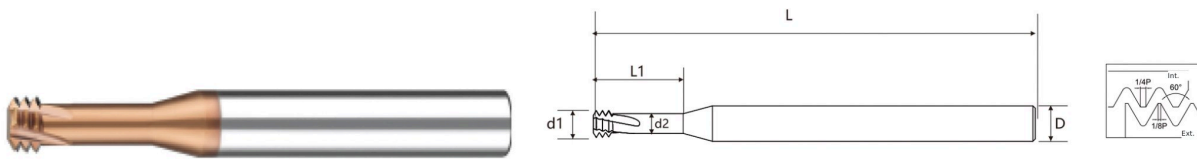
P			M	K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	○	⊙	⊙	⊙	⊙	⊙	⊙	○	○				

TPI	THREAD	DIA. d1	REACH L1	SHANK D	OAL L	FLUTES	PRE-HOLE Ø
28	RC1/16, RC1/8	5.24	12	6	60	3	6.7
28	RC1/8	7.24	12	8	60	3	8.7
19	RC1/4	7.13	14	8	60	3	11.8
19	RC1/4, RC3/8	8.88	18	10	75	4	15.2
19	RC3/8	10.75	20	12	75	4	15.2
19	RC3/8	12.75	20	14	90	4	19
14	RC1/2, RC3/4, RC7/8	14.48	24	16	90	4	23
11	RC1, RC1-1/2, RC2, RC2-1/2	14.13	30	16	90	4	30.7

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

GX Metric Triple-Form Thread Mills, 2xD

For materials up to 58 HRC



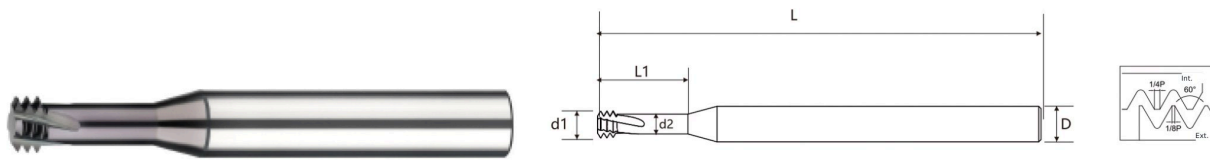
P			M		K		N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65		
☉	☉	☉											☉	☉		

PITCH mm	COARSE	FINE	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES	PRE-HOLE Ø
0.25	M1×0.25		0.7	0.375	2.8	4	50	3	0.75
0.25	M1.2×0.25		0.9	0.575	3	4	50	3	0.95
0.3	M1.4×0.3		1.05	0.66	3.2	4	50	3	1.1
0.35	M1.6×0.35		1.2	0.745	3.4	4	50	3	1.25
0.4	M2×0.4		1.55	1.03	4.2	4	50	3	1.6
0.45	M2.2×0.45		1.7	1.11	5	4	50	3	1.75
0.45	M2.5×0.45	M2.6×0.45	1.95	1.365	5.2	4	50	3	2.05
0.5	M3×0.5	M3.5-M16×0.5	2.4	1.75	6.2	4	50	3	2.5
0.6	M3.5×0.6		2.75	1.97	7.3	4	50	3	2.9
0.7	M4×0.7		3.15	2.24	8.3	4	50	3	3.3
0.8	M5×0.8		3.9	2.86	10.4	4	50	3	4.2
1	M6×1	M8-M40×1	4.8	3.5	12.5	6	60	3	5
1.25	M8×1.25		6.5	4.875	16.6	8	60	3	6.8
1.5	M10×1.5	M12-M48×1.5	8.2	6.25	20.8	10	75	4	8.5
1.75	M12×1.75		9.9	7.625	25	10	75	4	10.3
2	M14×2, M16×2		11.6	9	33	12	75	4	12.0-14.0
2.5	M20×2.5		13.9	10.65	41.3	14	90	5	17.5
3	M24×3		15.9	12	50	16	100	5	21

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

T Metric Triple-Form Thread Mills, 2xD

For stainless steel, titanium and superalloys



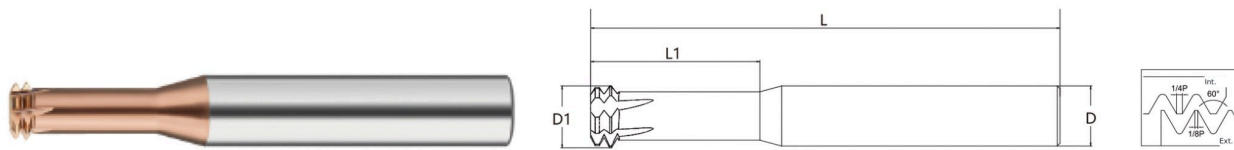
P			M	K	N				S	H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60
			⊙	⊙					○	⊙			

PITCH mm	COARSE	FINE	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES	PRE-HOLE Ø
0.25	M1×0.25		0.7	0.375	2.8	4	50	3	0.75
0.25	M1.2×0.25		0.9	0.575	3	4	50	3	0.95
0.3	M1.4×0.3		1.05	0.66	3.2	4	50	3	1.1
0.35	M1.6×0.35		1.2	0.745	3.4	4	50	3	1.25
0.4	M2×0.4		1.55	1.03	4.2	4	50	3	1.6
0.45	M2.5×0.45	M2.6×0.45	1.95	1.365	5.2	4	50	3	2.05
0.5	M3×0.5	M3.5-M16×0.5	2.4	1.75	6.2	4	50	3	2.5
0.6	M3.5×0.6		2.75	1.97	7.3	4	50	3	2.9
0.7	M4×0.7		3.15	2.24	8.3	4	50	3	3.3
0.8	M5×0.8		3.9	2.86	10.4	4	50	3	4.2
1	M6×1	M8-M40×1	4.8	3.5	12.5	6	60	3	5
1.25	M8×1.25		6.5	4.875	16.6	8	60	3	6.8
1.5	M10×1.5	M12-M48×1.5	8.2	6.25	20.8	10	75	4	8.5
1.75	M12×1.75		9.9	7.625	25	10	75	4	10.3
2	M14×2,, M16×2		11.6	9	33	12	75	4	12.0-14.0
2.5	M20×2.5		13.9	10.65	41.3	14	90	5	17.5
3	M24×3		15.9	12	50	16	100	5	21

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

RX Double-Row Thread Mills

For hardened steel up to 65 HRC



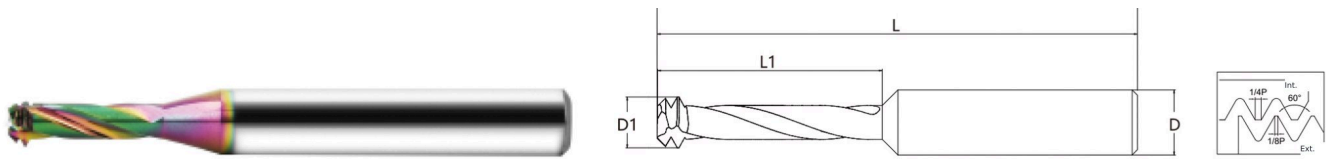
P			M	K	N					S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65	
												⊙	⊙	⊙	

PITCH mm	COARSE	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES	PRE-HOLE Ø
0.35	M1.6×0.35	1.2	0.78	3.2	6	50	3	1.25
0.4	M2×0.4	1.55	1.05	4	6	50	4	1.6
0.45	M2.5×0.45	2	1.45	5	6	50	4	2.05
0.5	M3×0.5	2.4	1.8	6	6	50	4	2.5
0.7	M4×0.7	3.15	2.3	8	6	50	4	3.3
0.8	M5×0.8	4.05	3.05	10	6	50	4	4.2
1	M6×1	4.8	3.6	12	6	50	5	5
1.25	M8×1.25	6.5	5	16	8	60	6	6.75
1.5	M10×1.5	8.2	6.4	20	10	75	6	8.5
1.75	M12×1.75	9.6	7.5	24	10	75	6	10.25

Two rows of teeth: the partial-profile row roughs, the full-profile row finishes. Cut from the hole bottom to the top with reverse spindle rotation (M04). Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

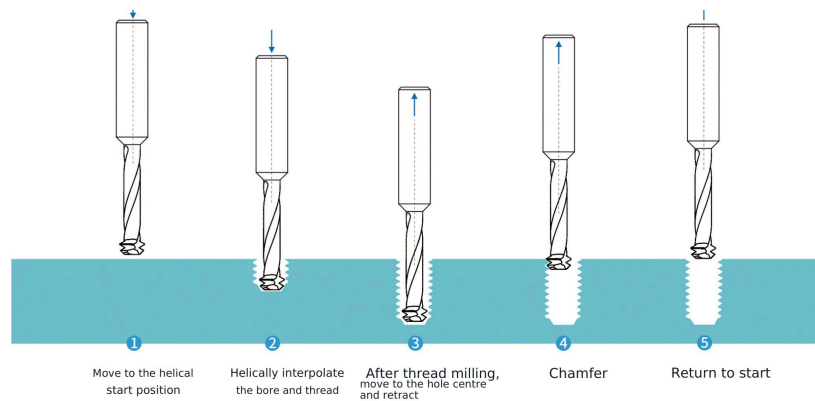
Multi-Function Thread Mills for Aluminium

Drill, thread and chamfer in one tool, no pre-drilling



P			M		K		N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65		
					⊙	⊙	⊙	⊙								

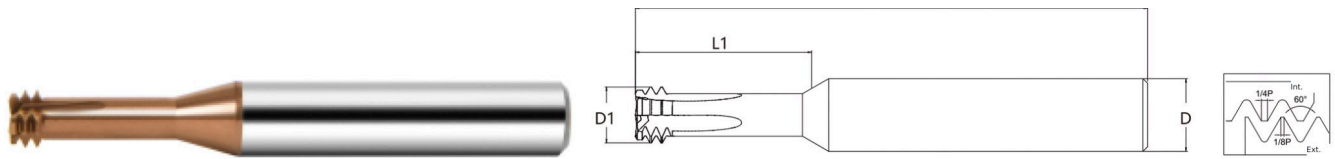
PITCH mm	THREAD	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES
0.35	M1.6	1.15	0.69	5	4	50	2
0.4	M2	1.5	0.98	6.5	4	50	2
0.45	M2.5	1.9	1.31	7	4	50	2
0.5	M3	2.4	1.75	9	6	50	3
0.7	M4	3.2	2.29	11	6	50	3
0.8	M5	3.9	2.86	12	6	50	3
1	M6	4.7	3.4	14	6	50	3
1.25	M8	6.5	4.87	18	8	60	4
1.5	M10	7.8	5.55	23	8	60	4
1.75	M12	9.6	7.32	26	10	75	4



Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

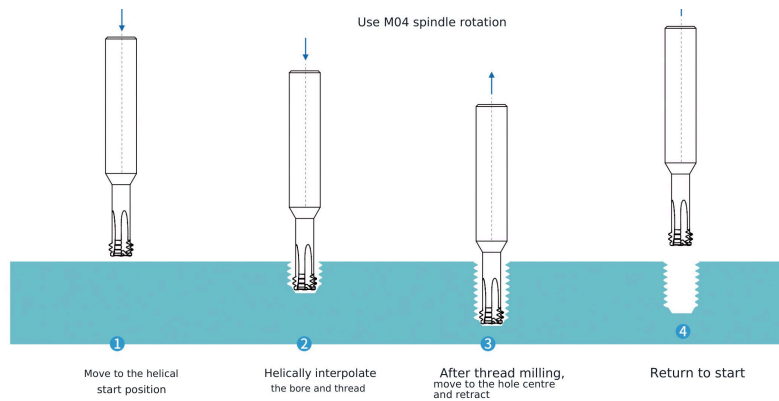
Multi-Function Thread Mills for Steel

Bore and thread in one tool, no pre-drilling



P			M	K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	⊙	○	⊙						○	○			

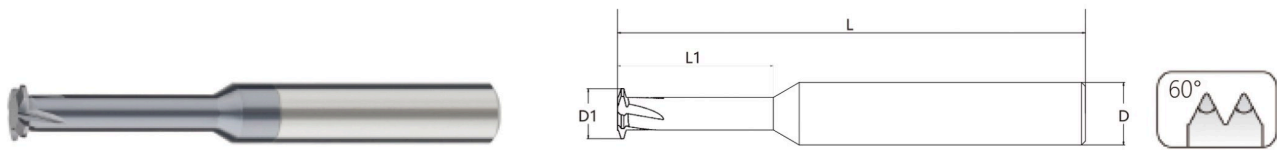
PITCH mm	THREAD	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES
0.5	M3	2.4	1.75	7	6	50	4
0.7	M4	3.2	2.29	9	6	50	4
0.8	M5	3.9	2.86	12	6	50	4
1	M6	4.7	3.4	14	6	50	4
1.25	M8	6.5	4.87	18	8	60	4
1.5	M10	7.8	5.55	23	8	60	4
1.75	M12	9.6	7.32	26	10	75	4



Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

TR 30° Trapezoidal Thread Mills

Internal trapezoidal threads, pitch 1–6 mm



P			M	K	N				S	H · HRC				
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙		○	○			

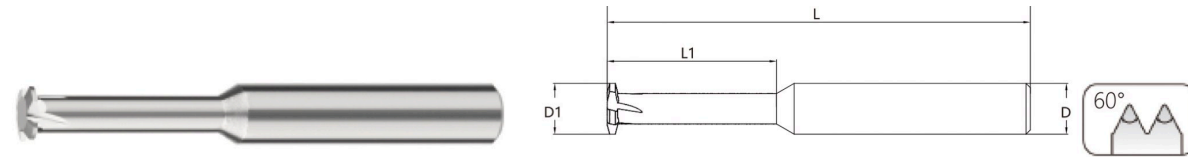
PITCH mm	THREAD	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES
1	TR7×1	5.5	4.1	20	6	50	4
1.5	TR8×1.5, TR9×1.5	6	4	20	6	50	4
2	TR9×2, TR10×2, TR11×2	6.4	3.7	20	8	60	4
2	TR12×2, TR14×2, TR16×2, TR18×2, TR20×2	9.4	6.5	35	10	75	4
3	TR11×3, TR14×3	7.4	3.8	25	8	60	4
3	TR14×3, TR22×3, TR24×3, TR26×3, TR28×3, TR30×3	10	6	35	10	75	4
4	on request	11	6	38	12	75	4
5	TR22×5, TR24×5, TR26×5, TR28×5	14	7.8	50	14	100	4
6	TR30×6, TR32×6, TR34×6, TR36×6, TR38×6, TR40×6, TR42×6	16	9	50	16	100	4

Pitch 4 mm: thread sizes on request. Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

ACME 29° and PG 80° Thread Mills

ACME and PG (Panzergewinde) threads

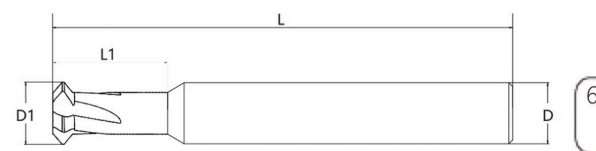
ACME 29°, pitch in TPI



P			M	K	N				S		H · HRC			
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	○	○				

TPI	THREAD	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES
16	ACME 1/4-16	4.7	2.6	15	6	50	4
14	ACME 5/16-14	6	3.6	20	6	50	4
12	ACME 3/8-12, ACME 7/16-12	7.2	4.5	25	8	60	4
10	ACME 1/2-10	10	6.5	35	10	75	4
8	ACME 5/8-8	12	7.5	35	12	75	4
6	ACME 3/4-6, ACME 7/8-6	12	6.5	35	12	75	4

PG 80°, pitch in TPI



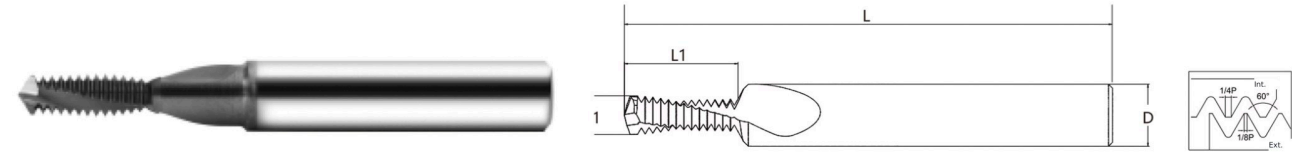
TPI	THREAD	DIA. d1	NECK d2	REACH L1	SHANK D	OAL L	FLUTES
20	PG7, PG9, PG11, PG13.5, PG16	7.9	6.25	20	8	60	4
18	PG9, PG11, PG13.5, PG16	9.9	8.06	25	10	75	5
16	PG21, PG29, PG36, PG42, PG48	12	9.94	28	12	75	5

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

3-in-1 Drill and Thread Mills · Pre-Milling End Mills

Drill and thread M6–M12 in one tool; pre-mill the 1:16 taper before pipe threading

3-in-1 drill and thread mills



P			M	K	N				S	H · HRC				
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
○				◎	○	○	○	○						

THREAD	CUTTER Ø	DRILL d1	THREAD L. L1	POINT L	NECK D1	OAL L	FLUTES
M6×1	4.8	5	12	1	7	60	
M8×1.25	6.5	6.8	15	1.3	9	75	
M10×1.5	8.2	8.5	20	1.5	11	75	
M12×1.75	9.9	10.3	24	1.8	13.5	75	

Taper pipe thread pre-milling end mills, NPT / NPTF / BSPT



P			M	K	N				S	H · HRC				
Carbon	Alloy	Prehard.	Stainless	Cast iron	Alu.	Copper	Plastics	Acrylic	Superalloy	Titanium	≤48	≤55	≤60	≤65
◎	◎	○	◎	◎	◎	◎	○	○			○			

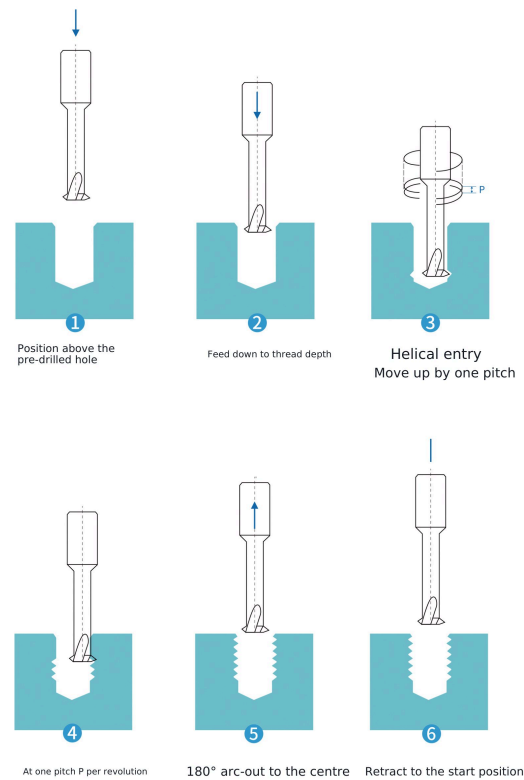
THREAD	DIA. d1	REACH L1	SHANK D	OAL L	FLUTES
NPT 1/16"-1/8", NPTF 1/16"-1/8", BSPT 1/16"-1/8"	5.2	12	6	50	4
NPT 1/4"-1", NPTF 1/4"-1", BSPT 1/4"-1"	8.5	24	10	75	4
NPT 1/4"-3", NPTF 1/4"-3", BSPT 1/4"-3"	10	32	12	75	4

Dimensions in mm. Other pitches, profiles, reaches and coatings are made to order from 5 pieces, 15–30 working days. Stock varies by size; please confirm on inquiry.

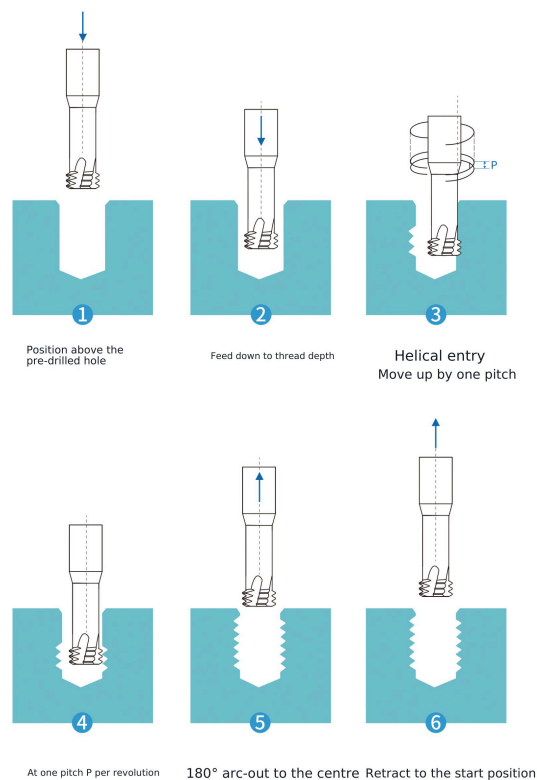
Thread milling cycles

Tool path for internal threads; use climb milling

Single-form thread milling



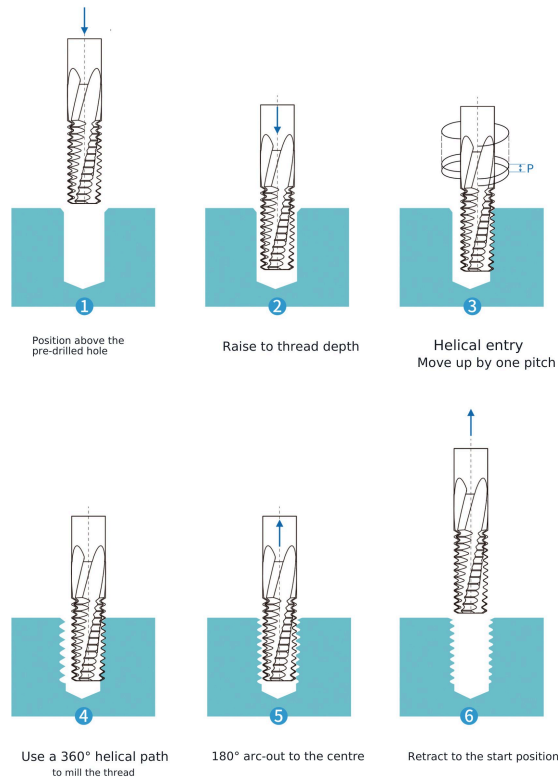
Triple-form thread milling



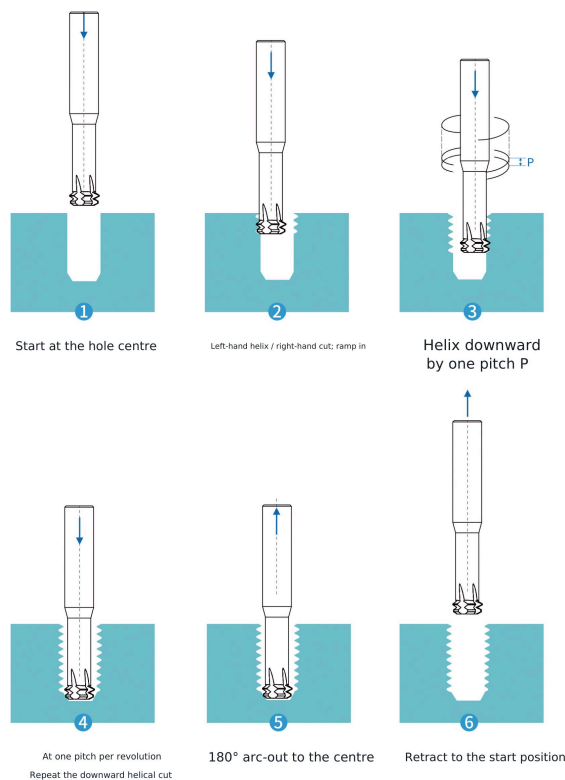
Thread milling cycles

Tool path for internal threads; use climb milling

Multi-form thread milling



Double-row (RX) thread milling





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