

DiC TOOLS

A Brand by Dedicated Impex Co.



THREADING TAPS

Hand Taps

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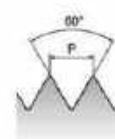
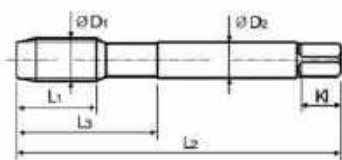
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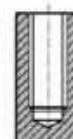
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Hole type

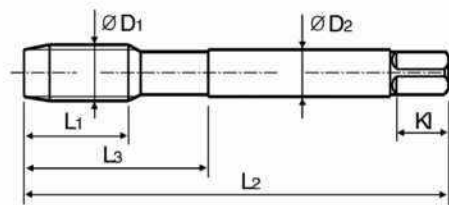
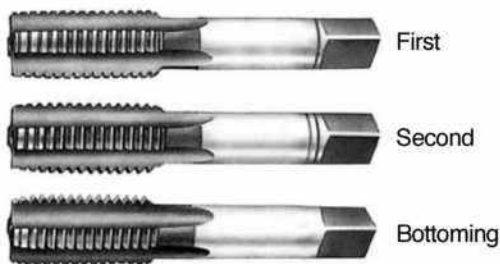
2.0xD



Unit : mm

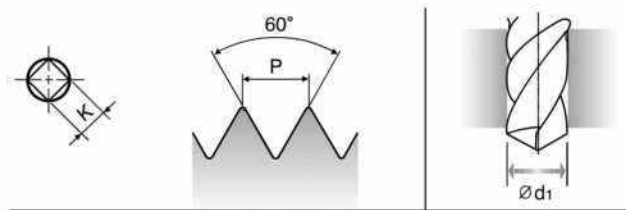
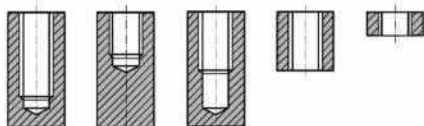
SIZE ØD ₁	Pitch P	Thread Length L ₁	Overall Length L ₂	Neck Length L ₃	Shank Diameter ØD ₂	Square Size K	Square Length K ₁	No. of Flute Z	Tapping Drill Diameter Ød ₁
M2 × 0.4		8	36	13	2.8	2.1	5	3	1.6
M2.2 × 0.45		9	36	13	2.8	2.1	5	3	1.75
*M2.3 × 0.4		9	36	13	2.8	2.1	5	3	1.9
M2.5 × 0.45		9	40	15	2.8	2.1	5	3	2.05
*M2.6 × 0.45		9	40	15	2.8	2.1	5	3	2.1
M3 × 0.5		11	40	18	3.5	2.7	6	3	2.5
M3.5 × 0.6		13	45	21	4	3	6	3	2.9
M4 × 0.7		13	45	21	4.5	3.4	6	3	3.3
M4.5 × 0.75		16	50	25	6	4.9	8	3	3.7
M5 × 0.8		16	52	26	6	4.9	8	3	4.2
M5.5 × 0.9		18	56	27	6	4.9	8	3	4.6
M6 × 1		18	56	27	6	4.9	8	3	5
M7 × 1		18	56	28.5	6	4.9	8	3	6
M8 × 1.25		20	63	34	6	4.9	8	3	6.8
M9 × 1.25		20	63	34	7	5.5	8	4	7.8
M10 × 1.5		22	70	38	7	5.5	8	4	8.5
M11 × 1.5		22	70	38	8	6.2	9	4	9.5
M12 × 1.75		24	80	45	9	7	10	4	10.2
M14 × 2		26	80	45	11	9	12	4	12
M16 × 2		27	80	45	12	9	12	4	14
M18 × 2.5		30	95	58	14	11	14	4	15.5
M20 × 2.5		32	95	58	16	12	15	4	17.5
M22 × 2.5		32	100	62	18	14.5	17	4	19.5
M24 × 3		34	110	69	18	14.5	17	4	21
M27 × 3		36	110	69	20	16	19	4	24
M30 × 3.5		40	125	77	22	18	21	4	26.5
M33 × 3.5		40	125	77	25	20	23	4	29.5
M36 × 4		50	150	88	28	22	25	4	32
M39 × 4		50	150	88	32	24	27	4	35
M42 × 4.5		56	150	88	32	24	27	4	37.5
M45 × 4.5		58	160	93	36	29	32	4	40.5
M48 × 5		65	180	102	36	29	32	4	43
M52 × 5		65	180	102	40	32	35	4	47

► *DIN profile not ISO



Hole type

2.0xD



HSS

DIN
352

6H

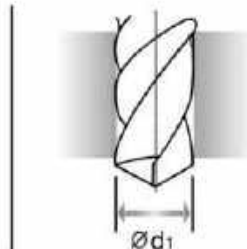
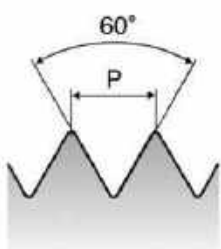
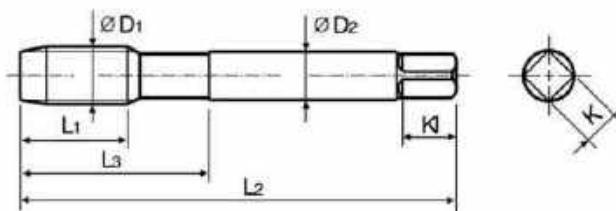


Bright

Unit : mm

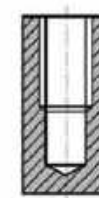
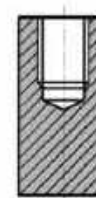
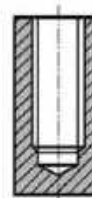
SIZE	Pitch	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
ØD1	P	L1	L2	L3	ØD2	K	KI	Z	Ød1
M3	× 0.5	11	40	18	3.5	2.7	6	3	2.5
M3.5	× 0.6	13	45	21	4	3	6	3	2.9
M4	× 0.7	13	45	21	4.5	3.4	6	3	3.3
M4.5	× 0.75	16	50	25	6	4.9	8	3	3.7
M5	× 0.8	16	52	26	6	4.9	8	3	4.2
M6	× 1	18	56	27	6	4.9	8	3	5
M8	× 1.25	20	63	34	6	4.9	8	3	6.8
M10	× 1.5	22	70	38	7	5.5	8	4	8.5
M12	× 1.75	24	80	45	9	7	10	4	10.2
M14	× 2	26	80	45	11	9	12	4	12
M16	× 2	27	80	45	12	9	12	4	14
M18	× 2.5	30	95	58	14	11	14	4	15.5
M20	× 2.5	32	95	58	16	12	15	4	17.5
M22	× 2.5	32	100	62	18	14.5	17	4	19.5
M24	× 3	34	110	69	18	14.5	17	4	21
M27	× 3	36	110	69	20	16	19	4	24
M30	× 3.5	40	125	77	22	18	21	4	26.5

► LH=Left hand thread



Hole type

2.0×D



HSS-E

DIN
352

6H



Bright

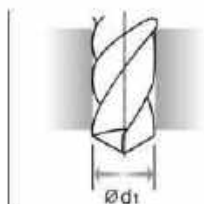
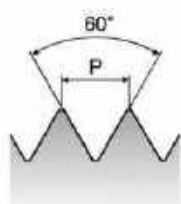
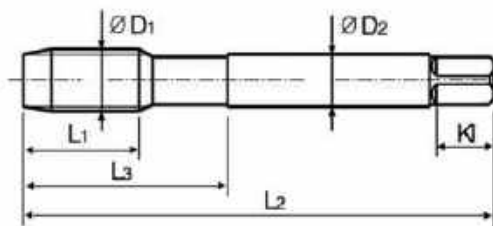
SIZE	Pitch	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
ØD1	P	L1	L2	L3	ØD2	K	KI	Z	Ød1
M3 × 0.5		11	40	18	3.5	2.7	6	3	2.5
M3.5 × 0.6		13	45	21	4	3	6	3	2.9
M4 × 0.7		13	45	21	4.5	3.4	6	3	3.3
M4.5 × 0.75		16	50	25	6	4.9	8	3	3.7
M5 × 0.8		16	52	26	6	4.9	8	3	4.2
M6 × 1		18	56	27	6	4.9	8	3	5
M8 × 1.25		20	63	34	6	4.9	8	3	6.8
M10 × 1.5		22	70	38	7	5.5	8	4	8.5
M12 × 1.75		24	80	45	9	7	10	4	10.2
M14 × 2		26	80	45	11	9	12	4	12
M16 × 2		27	80	45	12	9	12	4	14
M18 × 2.5		30	95	58	14	11	14	4	15.5
M20 × 2.5		32	95	58	16	12	15	4	17.5

► First with pilot guide

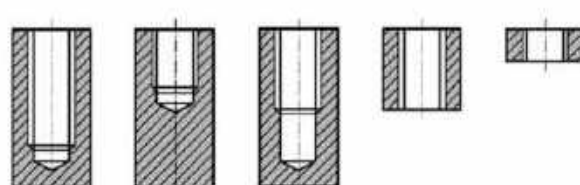
ISO Metric Coarse Threads DIN 13

HAND TAP

HSS



Hole type
2.0xD



HSS-E

DIN
352

6HX



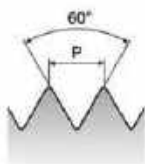
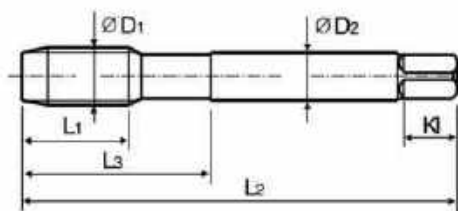
Vap

Unit : mm

SIZE	Pitch	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
ØD1	P	L1	L2	L3	ØD2	K	K1	Z	Ød1
M3	× 0.5	11	40	18	3.5	2.7	6	3	2.5
M3.5	× 0.6	13	45	21	4	3	6	3	2.9
M4	× 0.7	13	45	21	4.5	3.4	6	3	3.3
M4.5	× 0.75	16	50	25	6	4.9	8	3	3.7
M5	× 0.8	16	52	26	6	4.9	8	3	4.2
M6	× 1	18	56	27	6	4.9	8	3	5
M8	× 1.25	20	63	34	6	4.9	8	3	6.8
M10	× 1.5	22	70	38	7	5.5	8	4	8.5
M12	× 1.75	24	80	45	9	7	10	4	10.2
M14	× 2	26	80	45	11	9	12	4	12
M16	× 2	27	80	45	12	9	12	4	14
M18	× 2.5	30	95	58	14	11	14	4	15.5
M20	× 2.5	32	95	58	16	12	15	4	17.5

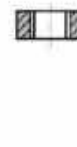
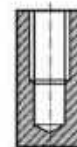
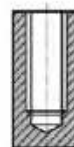
► First with pilot guide

DiC



Hole type

2.0×D



HSS

DIN
2181

6H



Bright

Unit : mm

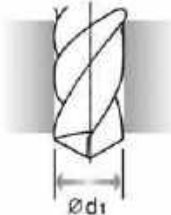
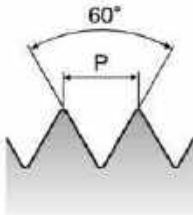
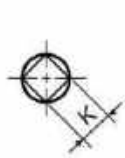
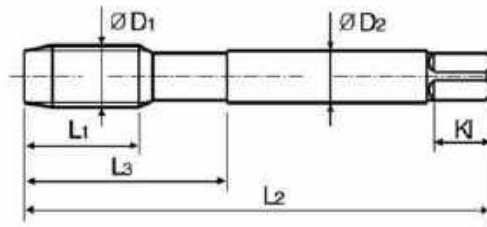
SIZE	Pitch	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
ØD1	P	L1	L2	L3	ØD2	K	KI	Z	Ød1
M3 × 0.35		9	40	18	3.5	2.7	6	3	2.65
M4 × 0.5		10	45	18	4.5	3.4	6	3	3.5
M5 × 0.5		13	52	22	6	4.9	8	3	4.5
M6 × 0.75		14	56	24	6	4.9	8	3	5.2
M6 × 0.5		13	56	24	6	4.9	8	3	5.5
M7 × 0.75		14	56	27	6	4.9	8	3	6.2
M8 × 1		17	63	27	6	4.9	8	3	7
M8 × 0.75		14	63	27	6	4.9	8	3	7.2
M8 × 0.5		14	63	27	6	4.9	8	3	7.5
M9 × 1		17	63	27	7	5.5	8	4	8
M10 × 1.25		22	70	32	7	5.5	8	4	8.8
M10 × 1		18	63	27	7	5.5	8	4	9
M10 × 0.75		18	63	27	7	5.5	8	4	9.2
M11 × 1		18	63	27	8	6.2	9	4	10
M12 × 1.5		20	70	32	9	7	10	4	10.5
M12 × 1.25		20	70	32	9	7	10	4	10.8
M12 × 1		18	70	32	9	7	10	4	11
M13 × 1.5		20	70	32	11	9	12	4	11.5
M13 × 1		18	70	32	11	9	12	4	12
M14 × 1.5		20	70	32	11	9	12	4	12.5
M14 × 1.25		20	70	32	11	9	12	4	12.8
M14 × 1		18	70	32	11	9	12	4	13
M15 × 1.5		20	70	32	12	9	12	4	13.5
M15 × 1		18	70	32	12	9	12	4	14
M16 × 1.5		20	70	32	12	9	12	4	14.5
M16 × 1		18	70	32	12	9	12	4	15
M18 × 2		22	80	35	14	11	14	4	16



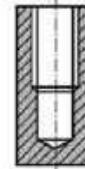
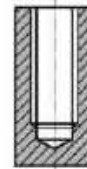
First



Bottoming



Hole type
2.0×D



HSS

DIN
2181

6H



Bright

Unit : mm

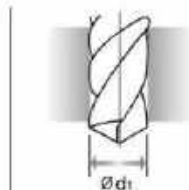
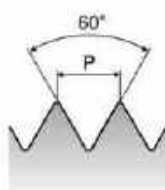
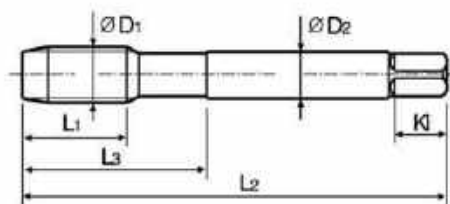
SIZE	Pitch	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
$\varnothing D_1$	P	L ₁	L ₂	L ₃	$\varnothing D_2$	K	KI	Z	$\varnothing d_1$
M18 × 1.5		22	80	35	14	11	14	4	16.5
M18 × 1		18	80	35	14	11	14	4	17
M20 × 2		22	80	35	16	12	15	4	18
M20 × 1.5		22	80	35	16	12	15	4	18.5
M20 × 1		18	80	35	16	12	15	4	19
M22 × 2		22	80	35	18	14.5	17	4	20
M22 × 1.5		22	80	35	18	14.5	17	4	20.5
M22 × 1		18	80	35	18	14.5	17	4	21
M24 × 2		22	90	40	18	14.5	17	4	22
M24 × 1.5		22	90	40	18	14.5	17	4	22.5
M24 × 1		18	90	40	18	14.5	17	4	23
M25 × 1.5		22	90	40	18	14.5	17	4	23.5
M25 × 1		18	90	40	18	14.5	17	4	24
M26 × 1.5		22	90	40	18	14.5	17	4	24.5
M26 × 1		18	90	40	18	14.5	17	4	25
M27 × 2		22	90	40	20	16	19	4	25
M27 × 1.5		22	90	40	20	16	19	4	25.5
M27 × 1		18	90	40	20	16	19	4	26
M28 × 2		22	90	40	20	16	19	4	26
M28 × 1.5		22	90	40	20	16	19	4	26.5
M30 × 2		22	90	40	22	18	21	4	28
M30 × 1.5		22	90	40	22	18	21	4	28.5
M30 × 1		18	90	40	22	18	21	4	29



First

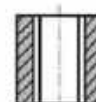
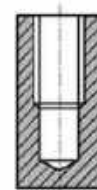
Second

Bottoming



Hole type

2.0×D



HSS

DIN
351

2B



Bright

Unit : mm

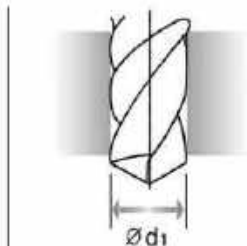
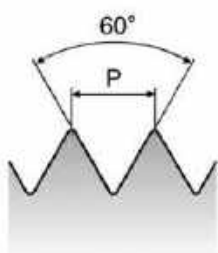
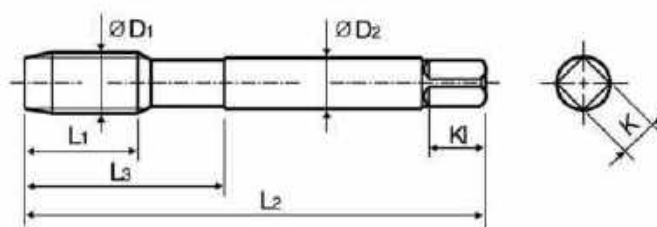
SIZE	TPI	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
ØD1		L1	L2	L3	ØD2	K	K1	Z	Ød1
#2	- 56UNC	9	36	13	2.8	2.1	5	3	1.8
#3	- 48UNC	10	40	15	2.8	2.1	5	3	2.1
#4	- 40UNC	10	42	18	3.5	2.7	6	3	2.3
#5	- 40UNC	10	42	18	3.5	2.7	6	3	2.6
#6	- 32UNC	11	45	18	4	3	6	3	2.85
#8	- 32UNC	12	48	23	4.5	3.4	6	3	3.5
#10	- 24UNC	14	52	26	6	4.9	6	3	3.9
#12	- 24UNC	16	56	27	6	4.9	8	3	4.5
1/4	- 20UNC	16	56	27	6	4.9	8	3	5.2
5/16	- 18UNC	20	63	34	6	4.9	8	3	6.6
3/8	- 16UNC	22	70	38	7	5.5	8	4	8
7/16	- 14UNC	22	70	38	8	6.2	9	4	9.4
1/2	- 13UNC	25	80	45	9	7	10	4	10.75
9/16	- 12UNC	26	80	45	11	9	12	4	12.25
5/8	- 11UNC	27	90	55	12	9	12	4	13.5
3/4	- 10UNC	32	105	65	14	11	14	4	16.5
7/8	- 9UNC	32	110	69	18	14.5	17	4	19.5
1	- 8UNC	36	110	69	20	16	19	4	22.25
1-1/8	- 7UNC	40	125	77	22	18	21	4	25
1-1/4	- 7UNC	40	125	77	25	20	23	4	28.25
1-1/8	- 6UNC	50	150	88	28	22	25	4	30.75
1-1/2	- 6UNC	50	150	88	32	24	27	4	34
1-3/4	- 5UNC	58	160	93	36	29	32	4	39.5
2	- 4½UNC	65	180	102	40	32	32	4	45.25



First

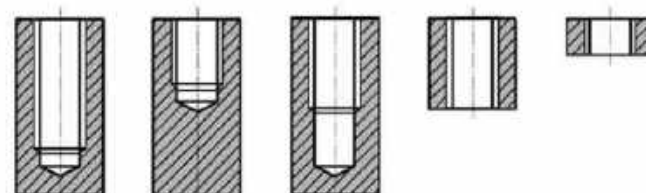


Bottoming



Hole type

2.0×D



HSS

DIN
2181

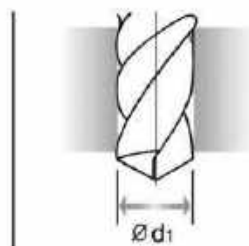
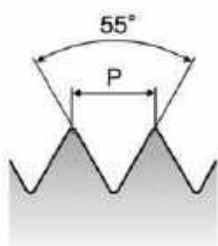
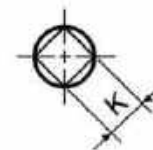
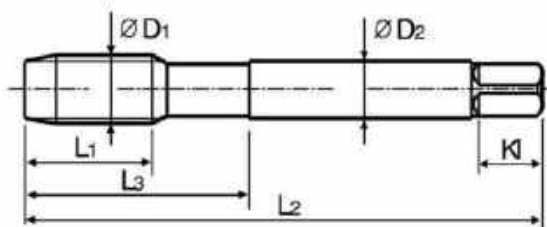
2B



Bright

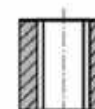
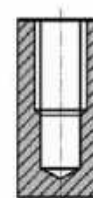
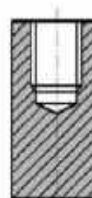
Unit : mm

SIZE	TPI	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	No. of Flute	Tapping Drill Diameter
ØD1		L1	L2	L3	ØD2	K	KI	Z	Ød1
#4 - 48 UNF		10	42	18	3.5	2.7	6	3	2.4
#5 - 44 UNF		10	42	18	3.5	2.7	6	3	2.7
#6 - 40 UNF		11	45	18	4	3	6	3	3
#8 - 36 UNF		12	48	23	4.5	3.4	6	3	3.5
#10 - 32 UNF		14	52	22	6	4.9	8	3	4.1
#12 - 28 UNF		16	56	24	6	4.9	8	3	4.7
1/4 - 28 UNF		16	56	24	6	4.9	8	3	5.5
5/16 - 24 UNF		17	63	27	6	4.9	8	3	6.9
3/8 - 24 UNF		18	63	27	7	5.5	8	4	8.5
7/16 - 20 UNF		20	70	32	8	6.2	9	4	9.9
1/2 - 20 UNF		20	70	32	9	7	10	4	11.5
9/16 - 18 UNF		20	70	32	11	9	12	4	12.9
5/8 - 18 UNF		20	70	32	12	9	12	4	14.5
3/4 - 16 UNF		22	80	38	14	11	14	4	17.5
7/8 - 14 UNF		22	80	38	18	14.5	17	4	20.5
1 - 12 UNF		22	90	40	18	14.5	17	4	23.25
1-1/8 - 12 UNF		22	90	40	22	18	21	4	26.5



Hole type

2.0×D



HSS

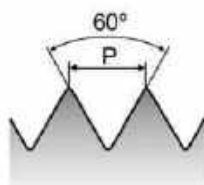
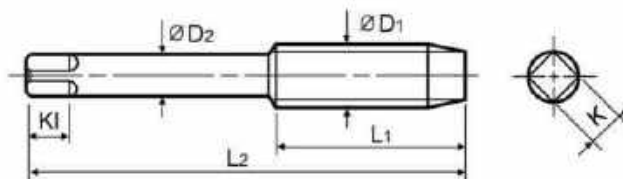
DIN
351



Bright

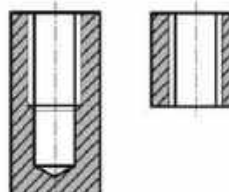
Unit : mm

SIZE ØD1	TPI	Thread Length L1	Overall Length L2	Neck Length L3	Shank Diameter ØD2	Square Size K	Square Length Kl	No. of Flute Z	Tapping Drill Diameter Ød1
W3/32 - 48		10	40	15	2.8	2.1	5	3	1.8
W1/8 - 40		10	42	18	3.5	2.7	6	3	2.5
W5/32 - 32		12	48	23	4.5	3.4	6	3	3.1
W3/16 - 24		14	52	26	6	4.9	8	3	3.6
W7/32 - 24		16	56	27	6	4.9	8	3	4.4
W1/4 - 20		16	56	27	6	4.9	8	3	5.1
W5/16 - 18		20	63	34	6	4.9	8	3	6.5
W3/8 - 16		22	70	38	7	5.5	8	4	7.9
W7/16 - 14		22	70	38	8	6.2	9	4	9.3
W1/2 - 12		25	80	45	9	7	10	4	10.5
W9/16 - 12		26	80	45	11	9	12	4	12
W5/8 - 11		27	90	55	12	9	12	4	13.5
W3/4 - 10		32	105	65	14	11	14	4	16.5
W7/8 - 9		32	110	69	18	14.5	17	4	19.25
W1 - 8		36	110	69	20	16	17	4	22
W1-1/8 - 7		40	125	77	22	18	21	4	24.75
W1-1/4 - 7		40	125	77	25	20	23	4	27.75
W1-3/8 - 6		50	150	88	28	22	25	4	30.5
W1-1/2 - 6		50	150	88	32	24	27	4	33.5
W1-5/8 - 5		56	150	88	32	24	27	4	35.5
W1-3/4 - 5		58	160	93	36	29	32	4	39
W1-7/8 - 4½		65	180	102	36	29	32	4	41.5
W2 - 4½		65	180	102	40	32	35	4	44.5



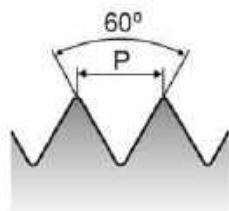
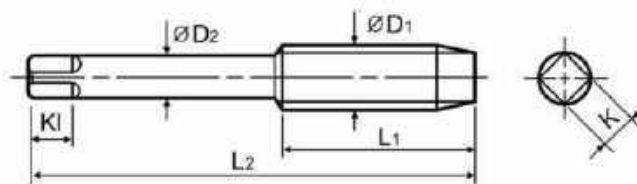
Hole type

2.0×D



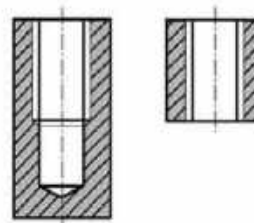
Unit : mm

SIZE		Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1		P		L2	L1	ØD2	K	KI	
M2	×	0.4	JIS II	40	15	3	2.5	5	3
M2.2	×	0.45	JIS II	42	15	3	2.5	5	3
M2.3	×	0.4	JIS II	42	15	3	2.5	5	3
M2.5	×	0.45	JIS II	44	16	3	2.5	5	3
M2.6	×	0.45	JIS II	44	16	3	2.5	5	3
M3	×	0.5	JIS II	46	18	4	3.2	6	3
M3	×	0.35	JIS II	46	18	4	3.2	6	3
M3.5	×	0.6	JIS II	48	18	4	3.2	6	3
M3.5	×	0.35	JIS II	48	18	4	3.2	6	3
M4	×	0.7	JIS II	52	20	5	4	7	4
M4	×	0.5	JIS II	52	20	5	4	7	4
M4.5	×	0.75	JIS II	55	20	5	4	7	4
M4.5	×	0.5	JIS II	55	20	5	4	7	4
M5	×	0.8	JIS II	60	22	5.5	4.5	7	4
M5	×	0.5	JIS II	60	22	5.5	4.5	7	4
M5.5	×	0.5	JIS II	60	22	5.5	4.5	7	4
M6	×	1	JIS II	62	24	6	4.5	7	4
M6	×	0.75	JIS II	62	24	6	4.5	7	4
M6	×	0.5	JIS II	62	22	6	4.5	7	4
M7	×	1	JIS II	65	26	6.2	5	8	4
M7	×	0.75	JIS II	65	26	6.2	5	8	4
M8	×	1.25	JIS II	70	30	6.2	5	8	4



Hole type

2.0×D



Unit : mm

SIZE		Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1		P		L2	L1	ØD2	K	Kl	
M8	×	1	JIS II	70	30	6.2	5	8	4
M8	×	0.75	JIS II	65	26	6.2	5	8	4
M9	×	1.25	JIS II	72	30	7	5.5	8	4
M9	×	1	JIS II	70	30	7	5.5	8	4
M9	×	0.75	JIS II	65	26	7	5.5	8	4
M10	×	1.5	JIS II	75	32	7	5.5	8	4
M10	×	1.25	JIS II	75	32	7	5.5	8	4
M10	×	1	JIS II	70	30	7	5.5	8	4
M10	×	0.75	JIS II	65	26	7	5.5	8	4
M11	×	1.5	JIS II	80	38	8	6	9	4
M11	×	1	JIS II	70	30	8	6	9	4
M11	×	0.75	JIS II	65	26	8	6	9	4
M12	×	1.75	JIS II	82	38	8.5	6.5	9	4
M12	×	1.5	JIS II	82	38	8.5	6.5	9	4
M12	×	1.25	JIS II	80	38	8.5	6.5	9	4
M12	×	1	JIS II	70	30	8.5	6.5	9	4
M14	×	2	JIS II	88	42	10.5	8	11	4
M14	×	1.5	JIS II	88	42	10.5	8	11	4
M14	×	1.25	JIS II	80	38	10.5	8	11	4
M14	×	1	JIS II	70	30	10.5	8	11	4
M15	×	1.5	JIS II	90	42	10.5	8	11	4
M15	×	1	JIS II	70	30	10.5	8	11	4

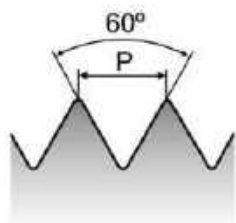
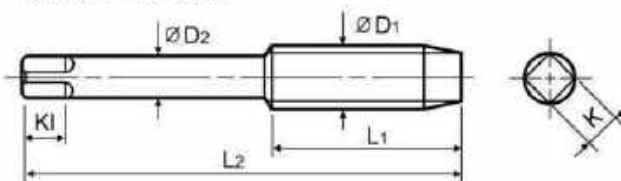
Hand Tap Set of 3 Pieces

HAND TAP

HSS

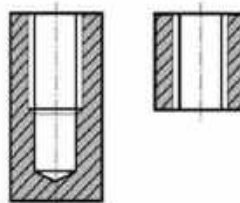


up to M6 : Male Center



Hole type

2.0×D



Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	K1	
M16	× 2	JIS II	95	45	12.5	10	13	4
M16	× 1.5	JIS II	95	45	12.5	10	13	4
M16	× 1	JIS II	75	30	12.5	10	13	4
M18	× 2.5	JIS II	100	48	14	11	14	4
M18	× 2	JIS II	95	45	14	11	14	4
M18	× 1.5	JIS II	95	45	14	11	14	4
M18	× 1	JIS II	80	30	14	11	14	4
M20	× 2.5	JIS II	105	50	15	12	15	4
M20	× 2	JIS II	95	45	15	12	15	4
M20	× 1.5	JIS II	95	45	15	12	15	4
M20	× 1	JIS II	80	30	15	12	15	4
M22	× 2.5	JIS II	115	55	17	13	16	4
M22	× 2	JIS II	95	45	17	13	16	4
M22	× 1.5	JIS II	95	45	17	13	16	4
M22	× 1	JIS II	85	30	17	13	16	4
M24	× 3	JIS II	120	58	19	15	18	4
M24	× 2	JIS II	95	45	19	15	18	4
M24	× 1.5	JIS II	95	45	19	15	18	4
M24	× 1	JIS II	90	30	19	15	18	4
M25	× 2	JIS II	95	45	19	15	18	4
M25	× 1.5	JIS II	95	45	19	15	18	4
M26	× 2	JIS II	95	45	20	15	18	4

DiC

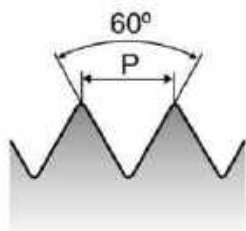
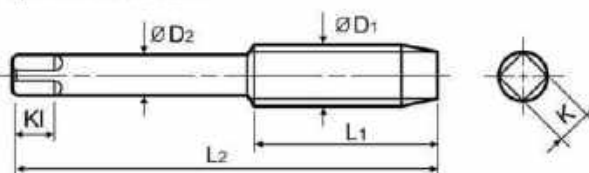
Hand Tap Set of 3 Pieces

HAND TAP

HSS

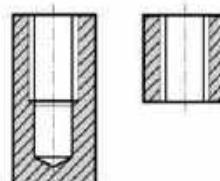


up to M6 : Male Center



Hole type

2.0×D



Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M26	× 1.5	JIS II	95	45	20	15	18	4
M26	× 1	JIS II	95	30	20	15	18	4
M27	× 3	JIS II	130	62	20	15	18	4
M27	× 2	JIS II	95	45	20	15	18	4
M27	× 1.5	JIS II	95	45	20	15	18	4
M28	× 2	JIS II	105	45	21	17	20	4
M28	× 1.5	JIS II	105	45	21	17	20	4
M30	× 3.5	JIS II	135	65	23	17	20	4
M30	× 3	JIS II	130	65	23	17	20	4
M30	× 2	JIS II	105	45	23	17	20	4
M30	× 1.5	JIS II	105	45	23	17	20	4
M30	× 1	JIS II	105	30	23	17	20	4
M33	× 3.5	JIS II	145	70	25	19	22	4
M33	× 3	JIS II	145	70	25	19	22	4
M33	× 2	JIS II	110	45	25	19	22	4
M33	× 1.5	JIS II	110	45	25	19	22	4
M36	× 4	JIS II	155	75	28	21	24	4
M36	× 3	JIS II	155	75	28	21	24	4
M36	× 2	JIS II	110	45	28	21	24	4
M36	× 1.5	JIS II	110	45	28	21	24	4

DiC

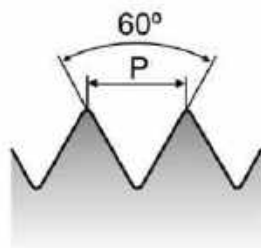
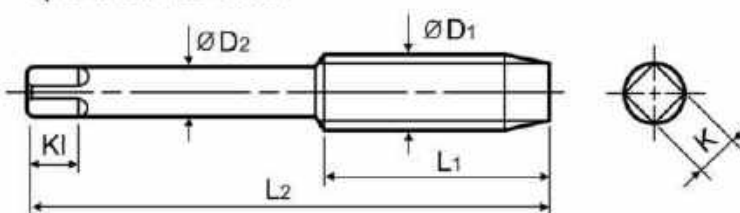
Hand Tap Set of 3 Pieces

HAND TAP

HSS

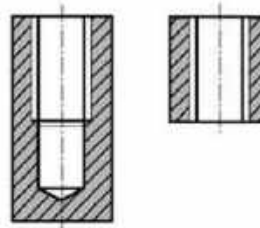


up to 5/16 : Male Center



Hole type

2.0×D



Unit : mm

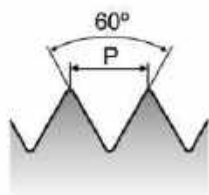
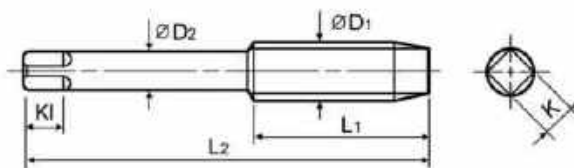
SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
#4 - 40 UNC		JIS II	44	16	3	2.5	5	3
#4 - 48 UNF		JIS II	44	16	3	2.5	5	3
#5 - 40 UNC		JIS II	46	18	4	3.2	6	3
#5 - 44 UNF		JIS II	46	18	4	3.2	6	3
#6 - 32 UNC		JIS II	48	18	4	3.2	6	3
#6 - 40 UNF		JIS II	48	18	4	3.2	6	3
#8 - 32 UNC		JIS II	52	18	5	4	7	4
#8 - 36 UNF		JIS II	52	18	5	4	7	4
#10 - 24 UNC		JIS II	60	22	5.5	4.5	7	4
#10 - 32 UNF		JIS II	60	22	5.5	4.5	7	4
#12 - 24 UNC		JIS II	60	22	5.5	4.5	7	4
#12 - 28 UNF		JIS II	60	22	5.5	4.5	7	4
1/4 - 20 UNC		JIS II	62	24	6	4.5	7	4
1/4 - 28 UNF		JIS II	62	24	6	4.5	7	4
5/16 - 18 UNC		JIS II	70	30	6.1	5	8	4
5/16 - 24 UNF		JIS II	70	30	6.1	5	8	4

DiC

Hand Tap Set of 3 Pieces

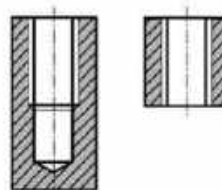
HAND TAP

HSS



Hole type

2.0×D

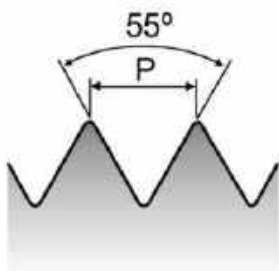
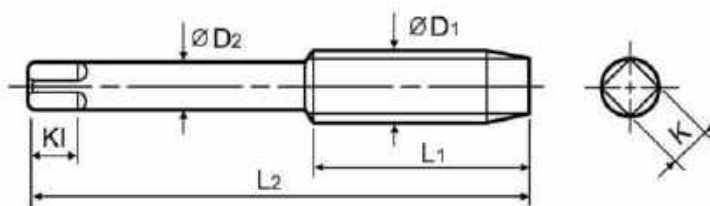


Unit : mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
3/8 - 16 UNC		JIS II	75	35	7	5.5	8	4
3/8 - 24 UNF		JIS II	75	32	7	5.5	8	4
7/16 - 14 UNC		JIS II	80	38	8	6	9	4
7/16 - 20 UNF		JIS II	80	38	8	6	9	4
1/2 - 13 UNC		JIS II	85	42	9	7	10	4
1/2 - 20 UNF		JIS II	85	42	9	7	10	4
9/16 - 12 UNC		JIS II	90	42	10.5	8	11	4
9/16 - 18 UNF		JIS II	90	42	10.5	8	11	4
5/8 - 11 UNC		JIS II	95	45	12	9	12	4
5/8 - 18 UNF		JIS II	95	45	12	9	12	4
3/4 - 10 UNC		JIS II	105	50	14	11	14	4
3/4 - 16 UNF		JIS II	95	45	14	11	14	4
7/8 - 9 UNC		JIS II	115	55	17	13	16	4
7/8 - 14 UNF		JIS II	95	45	17	13	16	4
1" - 8 UNC		JIS II	125	60	20	15	18	4
1" - 12 UNF		JIS II	95	45	20	15	18	4

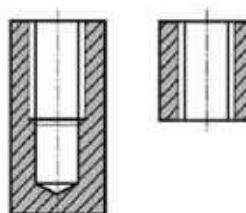


up to W5/16 : Male Center



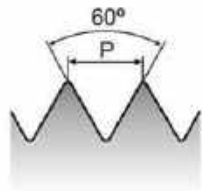
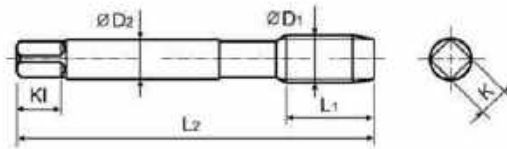
Hole type

2.0×D



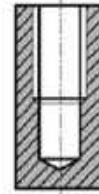
Unit : mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	K1	
W1/8	- 40	JIS II	46	18	4	3.2	6	3
W3/16	- 24	JIS II	60	22	5.5	4.5	7	4
W1/4	- 20	JIS II	62	24	6	4.5	7	4
W5/16	- 18	JIS II	70	30	6.1	5	8	4
W3/8	- 16	JIS II	75	35	7	5.5	8	4
W7/16	- 14	JIS II	80	38	8	6	9	4
W1/2	- 12	JIS II	85	42	9	7	10	4
W9/16	- 12	JIS II	90	42	10.5	8	11	4
W5/8	- 11	JIS II	95	45	12	9	12	4
W3/4	- 10	JIS II	105	50	14	11	14	4
W7/8	- 9	JIS II	115	55	17	13	16	4
W1"	- 8	JIS II	125	60	20	15	18	4



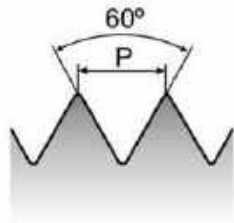
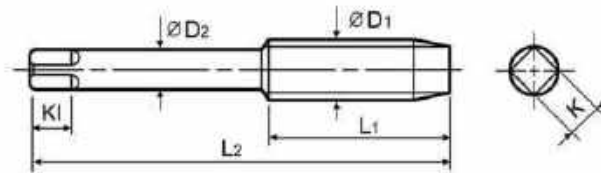
Hole type

2.5×D



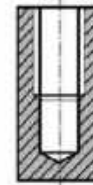
Unit : mm

SIZE	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P	L2	L1	ØD2	K	K1	
M3	× 0.5	46	11	4	3.2	6	3
M3.5	× 0.6	48	13	4	3.2	6	3
M4	× 0.7	52	13	5	4	7	3
M5	× 0.8	60	16	5.5	4.5	7	3
M6	× 1	62	19	6	4.5	7	3
M8	× 1.25	70	22	6.2	5	8	3
M10	× 1.5	75	24	7	5.5	8	3
M10	× 1.25	75	24	7	5.5	8	3
M12	× 1.75	82	29	8.5	6.5	9	3
M12	× 1.5	82	29	8.5	6.5	9	3
M12	× 1.25	82	29	8.5	6.5	9	3
M14	× 2	88	30	10.5	8	11	3
M14	× 1.5	88	30	10.5	8	11	3
M16	× 2	95	32	12.5	10	13	3
M16	× 1.5	95	32	12.5	10	13	3
M18	× 2.5	100	37	14	11	14	4
M18	× 1.5	100	37	14	11	14	4
M20	× 2.5	105	37	15	12	15	4
M20	× 1.5	105	37	15	12	15	4



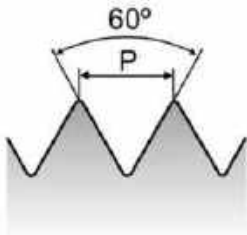
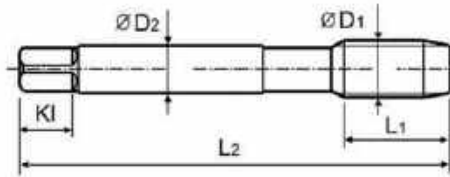
Hole type

2.5×D



Unit: mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	K1	
M3	× 0.5	YH2	46	18	4	3.2	6	3
M3.5	× 0.6	YH2	48	18	4	3.2	6	3
M4	× 0.7	YH2	52	20	5	4	7	3
M5	× 0.8	YH2	60	22	5.5	4.5	7	3
M6	× 1	YH2	62	24	6	4.5	7	3
M8	× 1.25	YH2	70	30	6.2	5	8	3
M10	× 1.5	YH2	75	32	7	5.5	8	3
M10	× 1.25	YH2	75	32	7	5.5	8	3
M12	× 1.75	YH2	82	38	8.5	6.5	9	3
M12	× 1.5	YH2	82	38	8.5	6.5	9	3
M12	× 1.25	YH2	80	38	8.5	6.5	9	3
M14	× 2	YH2	88	42	10.5	8	11	3
M14	× 1.5	YH2	88	42	10.5	8	11	3
M16	× 2	YH2	95	45	12.5	10	13	3
M16	× 1.5	YH2	95	45	12.5	10	13	3
M18	× 2.5	YH3	100	48	14	11	14	4
M18	× 1.5	YH2	95	45	14	11	14	4
M20	× 2.5	YH3	105	50	15	12	15	4
M20	× 1.5	YH3	95	45	15	12	15	4



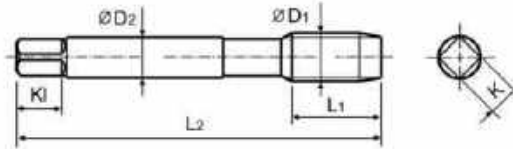
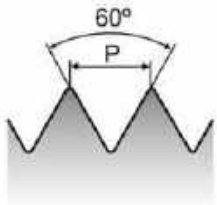
Hole type

2.5×D



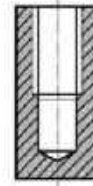
Unit : mm

SIZE	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P	L2	L1	ØD2	K	K1	
M1	x 0.25	30.0	5.5	3.0	2.5	5.0	2
M1.1	x 0.25	32.0	5.5	3.0	2.5	5.0	2
M1.2	x 0.25	32.0	5.5	3.0	2.5	5.0	2
M1.4	x 0.3	34.0	8.0	3.0	2.5	5.0	2
M1.6	x 0.35	36.0	8.0	3.0	2.5	5.0	2
M1.7	x 0.35	36.0	8.0	3.0	2.5	5.0	2
M1.8	x 0.35	36.0	8.0	3.0	2.5	5.0	2
M2	x 0.4	40.0	9.5	3.0	2.5	5.0	2
M2.2	x 0.45	42.0	9.5	3.0	2.5	5.0	2
M2.3	x 0.4	42.0	9.5	3.0	2.5	5.0	2
M2.5	x 0.45	44.0	9.5	3.0	2.5	5.0	2
M2.5	x 0.35	44.0	9.5	3.0	2.5	5.0	2
M2.6	x 0.45	44.0	9.5	3.0	2.5	5.0	2
M2.6	x 0.35	44.0	9.5	3.0	2.5	5.0	2
M3	x 0.5	46.0	11.0	4.0	3.2	6.0	3
M3	x 0.35	46.0	11.0	4.0	3.2	6.0	3
M3.5	x 0.6	48.0	13.0	4.0	3.2	6.0	3
M3.5	x 0.35	48.0	13.0	4.0	3.2	6.0	3
M4	x 0.7	52.0	13.0	5.0	4.0	7.0	3
M4	x 0.5	52.0	13.0	5.0	4.0	7.0	3
M4.5	x 0.75	55.0	13.0	5.0	4.0	7.0	3
M4.5	x 0.5	55.0	13.0	5.0	4.0	7.0	3
M5	x 0.8	60.0	16.0	5.5	4.5	7.0	3
M5	x 0.5	60.0	16.0	5.5	4.5	7.0	3
M5.5	x 0.5	60.0	16.0	5.5	4.5	7.0	3



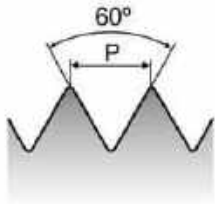
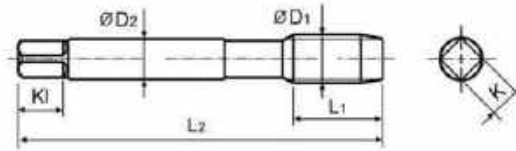
Hole type

2.5×D



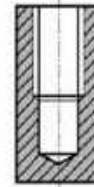
Unit: mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	K1	
M6	x 1.0	YH2	62.0	19.0	6.0	4.5	7.0	3
M6	x 0.75	YH2	62.0	19.0	6.0	4.5	7.0	3
M6	x 0.5	YH2	62.0	19.0	6.0	4.5	7.0	3
M7	x 1.0	YH2	65.0	19.0	6.2	5.0	8.0	3
M7	x 0.75	YH2	65.0	19.0	6.2	5.0	8.0	3
M8	x 1.25	YH2	70.0	22.0	6.2	5.0	8.0	3
M8	x 1.0	YH2	70.0	22.0	6.2	5.0	8.0	3
M8	x 0.75	YH2	70.0	22.0	6.2	5.0	8.0	3
M9	x 1.25	YH2	72.0	22.0	7.0	5.5	8.0	3
M9	x 1.0	YH2	72.0	22.0	7.0	5.5	8.0	3
M9	x 0.75	YH2	72.0	22.0	7.0	5.5	8.0	3
M10	x 1.5	YH2	75.0	24.0	7.0	5.5	8.0	3
M10	x 1.25	YH2	75.0	24.0	7.0	5.5	8.0	3
M10	x 1.0	YH2	75.0	24.0	7.0	5.5	8.0	3
M10	x 0.75	YH2	75.0	24.0	7.0	5.5	8.0	3
M11	x 1.5	YH2	80.0	25.0	8.0	6.0	9.0	3
M11	x 1.0	YH2	80.0	25.0	8.0	6.0	9.0	3
M11	x 0.75	YH2	80.0	25.0	8.0	6.0	9.0	3
M12	x 1.75	YH2	82.0	29.0	8.5	6.5	9.0	3
M12	x 1.5	YH2	82.0	29.0	8.5	6.5	9.0	3
M12	x 1.25	YH2	82.0	29.0	8.5	6.5	9.0	3
M12	x 1.0	YH2	82.0	29.0	8.5	6.5	9.0	3
M14	x 2.0	YH2	88.0	30.0	10.5	8.0	11.0	3
M14	x 1.5	YH2	88.0	30.0	10.5	8.0	11.0	3
M14	x 1.25	YH2	88.0	30.0	10.5	8.0	11.0	3



Hole type

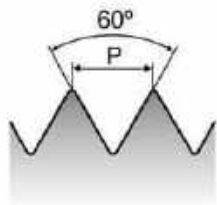
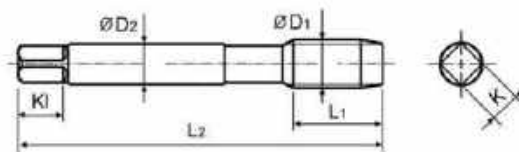
2.5×D



Unit : mm

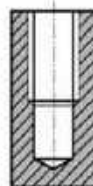
SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M14 x 1.0		YH2	88.0	30.0	10.5	8.0	11.0	3
M15 x 1.5		YH2	90.0	30.0	10.5	8.0	11.0	3
M15 x 1.0		YH2	90.0	30.0	10.5	8.0	11.0	3
M16 x 2.0		YH2	95.0	32.0	12.5	10.0	13.0	3
M16 x 1.5		YH2	95.0	32.0	12.5	10.0	13.0	3
M16 x 1.0		YH2	95.0	32.0	12.5	10.0	13.0	3
M18 x 2.5		YH3	100.0	37.0	14.0	11.0	14.0	4
M18 x 2.0		YH3	100.0	37.0	14.0	11.0	14.0	4
M18 x 1.5		YH2	100.0	37.0	14.0	11.0	14.0	4
M18 x 1.0		YH2	100.0	37.0	14.0	11.0	14.0	4
M20 x 2.5		YH3	105.0	37.0	15.0	12.0	15.0	4
M20 x 2.0		YH3	105.0	37.0	15.0	12.0	15.0	4
M20 x 1.5		YH3	105.0	37.0	15.0	12.0	15.0	4
M20 x 1.0		YH2	105.0	37.0	15.0	12.0	15.0	4
M22 x 2.5		YH3	115.0	38.0	17.0	13.0	16.0	4
M22 x 2.0		YH3	115.0	38.0	17.0	13.0	16.0	4
M22 x 1.5		YH3	115.0	38.0	17.0	13.0	16.0	4
M22 x 1.0		YH2	115.0	38.0	17.0	13.0	16.0	4
M24 x 3.0		YH3	120.0	45.0	19.0	15.0	18.0	4
M24 x 2.0		YH3	120.0	45.0	19.0	15.0	18.0	4
M24 x 1.5		YH3	120.0	45.0	19.0	15.0	18.0	4
M24 x 1.0		YH2	120.0	45.0	19.0	15.0	18.0	4
M25 x 2.0		YH3	125.0	45.0	19.0	15.0	18.0	4
M25 x 1.5		YH3	125.0	45.0	19.0	15.0	18.0	4
M26 x 2.0		YH3	125.0	45.0	20.0	15.0	18.0	4

HSS



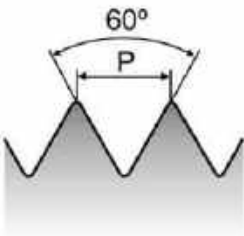
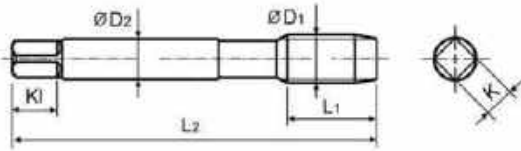
Hole type

2.5×D



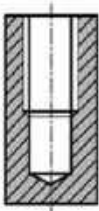
Unit: mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M26 x 1.5		YH3	125.0	45.0	20.0	15.0	18.0	4
M26 x 1.0		YH2	125.0	45.0	20.0	15.0	18.0	4
M27 x 3.0		YH3	130.0	45.0	20.0	15.0	18.0	4
M27 x 2.0		YH3	130.0	45.0	20.0	15.0	18.0	4
M27 x 1.5		YH3	130.0	45.0	20.0	15.0	18.0	4
M28 x 2.0		YH3	130.0	45.0	21.0	17.0	20.0	4
M28 x 1.5		YH3	130.0	45.0	21.0	17.0	20.0	4
M30 x 3.5		YH4	135.0	48.0	23.0	17.0	20.0	4
M30 x 3.0		YH3	135.0	48.0	23.0	17.0	20.0	4
M30 x 2.0		YH3	135.0	48.0	23.0	17.0	20.0	4
M30 x 1.5		YH3	135.0	48.0	23.0	17.0	20.0	4
M30 x 1.0		YH2	135.0	48.0	23.0	17.0	20.0	4
M33 x 3.5		YH4	145.0	51.0	25.0	19.0	22.0	4
M33 x 3.0		YH3	145.0	51.0	25.0	19.0	22.0	4
M33 x 2.0		YH3	145.0	45.0	25.0	19.0	22.0	4
M33 x 1.5		YH3	145.0	45.0	25.0	19.0	22.0	4
M36 x 4.0		YH4	155.0	57.0	28.0	21.0	24.0	4
M36 x 3.0		YH3	155.0	57.0	28.0	21.0	24.0	4
M36 x 2.0		YH3	155.0	45.0	28.0	21.0	24.0	4
M36 x 1.5		YH3	155.0	45.0	28.0	21.0	24.0	4
M38 x 1.5		YH3	165.0	45.0	28.0	21.0	24.0	4
M39 x 4.0		YH4	165.0	60.0	30.0	23.0	26.0	4
M39 x 2.0		YH3	165.0	45.0	30.0	23.0	26.0	4
M39 x 1.5		YH3	165.0	45.0	30.0	23.0	26.0	4
M40 x 3.0		YH4	165.0	60.0	30.0	23.0	26.0	4



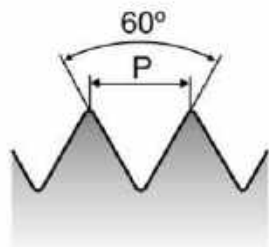
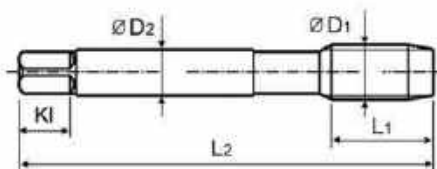
Hole type

2.5×D



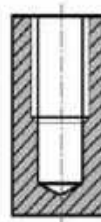
Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M40 x 2.0		YH3	165.0	45.0	30.0	23.0	26.0	4
M40 x 1.5		YH3	165.0	45.0	30.0	23.0	26.0	4
M42 x 4.5		YH4	175.0	60.0	32.0	26.0	30.0	4
M42 x 3.0		YH4	175.0	60.0	32.0	26.0	30.0	4
M42 x 2.0		YH3	175.0	45.0	32.0	26.0	30.0	4
M42 x 1.5		YH3	175.0	45.0	32.0	26.0	30.0	4
M45 x 4.5		YH4	180.0	67.0	35.0	26.0	30.0	4
M45 x 1.5		YH3	180.0	45.0	35.0	26.0	30.0	4
M48 x 5.0		YH4	185.0	67.0	38.0	29.0	32.0	4
M48 x 3.0		YH4	185.0	67.0	38.0	29.0	32.0	4
M48 x 1.5		YH3	185.0	45.0	38.0	29.0	32.0	4
M50 x 5.0		YH4	195.0	70.0	40.0	32.0	35.0	4
M52 x 5.0		YH4	195.0	70.0	42.0	32.0	35.0	4
M64 x 6.0		YH5	225.0	79.0	48.0	38.0	42.0	4



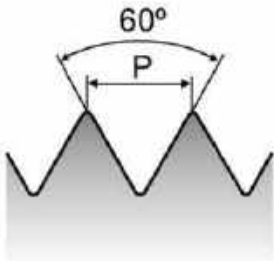
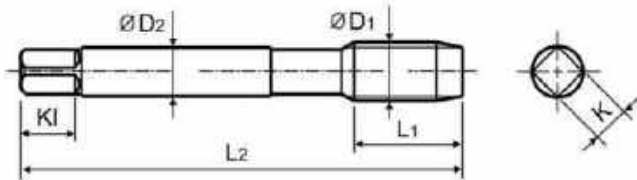
Hole type

2.5×D



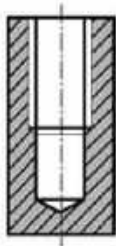
Unit: mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
#2 - 56UNC		YH1	42.0	9.5	3.0	2.5	5.0	2
#2 - 64UNF		YH1	42.0	9.5	3.0	2.5	5.0	2
#3 - 48UNC		YH1	44.0	9.5	3.0	2.5	5.0	2
#3 - 56UNF		YH1	44.0	9.5	3.0	2.5	5.0	2
#4 - 40UNC		YH1	44.0	9.5	3.0	2.5	5.0	3
#4 - 48UNF		YH1	44.0	9.5	3.0	2.5	5.0	3
#5 - 40UNC		YH1	46.0	11.0	4.0	3.2	6.0	3
#5 - 44UNF		YH1	46.0	11.0	4.0	3.2	6.0	3
#6 - 32UNC		YH2	48.0	13.0	4.0	3.2	6.0	3
#6 - 40UNF		YH1	48.0	13.0	4.0	3.2	6.0	3
#8 - 32UNC		YH2	52.0	13.0	5.0	4.0	7.0	3
#8 - 36UNF		YH2	52.0	13.0	5.0	4.0	7.0	3
#10 - 24UNC		YH2	60.0	16.0	5.5	4.5	7.0	3
#10 - 32UNF		YH2	60.0	16.0	5.5	4.5	7.0	3
#12 - 24UNC		YH2	60.0	16.0	5.5	4.5	7.0	3
#12 - 28UNF		YH2	60.0	16.0	5.5	4.5	7.0	3
1/4 - 20UNC		YH2	62.0	19.0	6.0	4.5	7.0	3
1/4 - 28UNF		YH2	62.0	19.0	6.0	4.5	7.0	3
5/16 - 18UNC		YH2	70.0	22.0	6.1	5.0	8.0	3
5/16 - 24UNF		YH2	70.0	22.0	6.1	5.0	8.0	3
3/8 - 16UNC		YH2	75.0	24.0	7.0	5.5	8.0	3
3/8 - 24UNF		YH2	75.0	24.0	7.0	5.5	8.0	3
7/16 - 14UNC		YH3	80.0	25.0	8.0	6.0	9.0	3
7/16 - 20UNF		YH2	80.0	25.0	8.0	6.0	9.0	3



Hole type

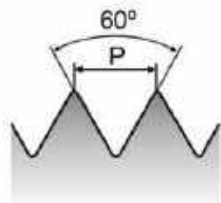
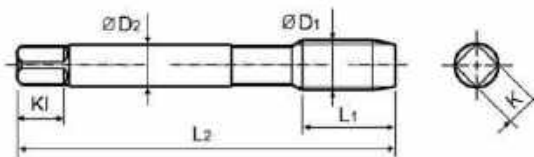
2.5×D



Unit : mm

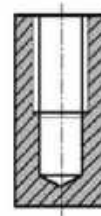
SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
1/2 - 13UNC		YH3	85.0	29.0	9.0	7.0	10.0	3
1/2 - 20UNF		YH2	85.0	29.0	9.0	7.0	10.0	3
9/16 - 12UNC		YH3	90.0	30.0	10.5	8.0	11.0	3
9/16 - 18UNF		YH2	90.0	30.0	10.5	8.0	11.0	3
5/8 - 11UNC		YH3	95.0	32.0	12.0	9.0	12.0	3
5/8 - 18UNF		YH2	95.0	32.0	12.0	9.0	12.0	3
3/4 - 10UNC		YH3	105.0	37.0	14.0	11.0	14.0	4
3/4 - 16UNF		YH3	105.0	37.0	14.0	11.0	14.0	4
7/8 - 9UNC		YH3	115.0	38.0	17.0	13.0	16.0	4
7/8 - 14UNF		YH3	115.0	38.0	17.0	13.0	16.0	4
1" - 8UNC		YH3	125.0	45.0	20.0	15.0	18.0	4
1" - 12UNF		YH3	125.0	45.0	20.0	15.0	18.0	4

HSS



Hole type

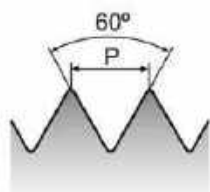
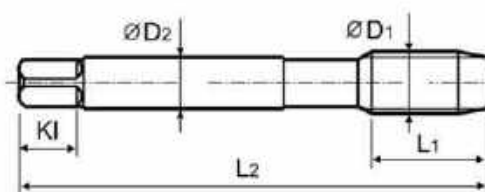
2.5×D



Unit : mm

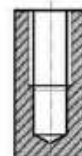
SIZE	Pitch		Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P			L2	L1	ØD2	K	KI	
M2	×	0.4	YH1	40	9.5	3	2.5	5	2
M2.2	×	0.45	YH1	42	9.5	3	2.5	5	2
M2.3	×	0.4	YH1	42	9.5	3	2.5	5	2
M2.5	×	0.45	YH1	44	9.5	3	2.5	5	2
M2.6	×	0.45	YH1	44	9.5	3	2.5	5	2
M3	×	0.5	YH2	46	11	4	3.2	6	3
M3	×	0.35	YH1	46	9.5	4	3.2	6	3
M3.5	×	0.6	YH2	48	13	4	3.2	6	3
M3.5	×	0.35	YH1	48	9.5	4	3.2	6	3
M4	×	0.7	YH2	52	13	5	4	7	3
M4	×	0.5	YH1	52	13	5	4	7	3
M4.5	×	0.75	YH2	55	13	5	4	7	3
M4.5	×	0.5	YH1	55	13	5	4	7	3
M5	×	0.8	YH2	60	16	5.5	4.5	7	3
M5	×	0.5	YH1	60	16	5.5	4.5	7	3
M5.5	×	0.5	YH1	55	13	5.5	4.5	7	3
M6	×	1	YH2	62	19	6	4.5	7	3
M6	×	0.75	YH2	62	19	6	4.5	7	3
M6	×	0.5	YH1	55	13	6	4.5	7	3
M7	×	1	YH2	65	19	6.2	5	8	3
M7	×	0.75	YH2	65	19	6.2	5	8	3
M8	×	1.25	YH2	70	22	6.2	5	8	3

HSS



Hole type

2.5×D



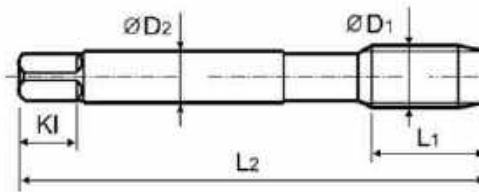
Unit: mm

SIZE	Pitch		Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P			L2	L1	ØD2	K	KI	
M8	×	1	YH2	70	22	6.2	5	8	3
M8	×	0.75	YH2	70	22	6.2	5	8	3
M9	×	1.25	YH2	72	22	7	5.5	8	3
M9	×	1	YH2	72	22	7	5.5	8	3
M9	×	0.75	YH2	72	22	7	5.5	8	3
M10	×	1.5	YH2	75	24	7	5.5	8	3
M10	×	1.25	YH2	75	24	7	5.5	8	3
M10	×	1	YH2	75	24	7	5.5	8	3
M10	×	0.75	YH2	75	24	7	5.5	8	3
M11	×	1.5	YH2	80	25	8	6	9	3
M11	×	1	YH2	80	25	8	6	9	3
M11	×	0.75	YH2	80	25	8	6	9	3
M12	×	1.75	YH2	82	29	8.5	6.5	9	3
M12	×	1.5	YH2	82	29	8.5	6.5	9	3
M12	×	1.25	YH2	82	29	8.5	6.5	9	3
M12	×	1	YH2	82	29	8.5	6.5	9	3
M14	×	2	YH2	88	30	10.5	8	11	3
M14	×	1.5	YH2	88	30	10.5	8	11	3
M14	×	1.25	YH2	88	30	10.5	8	11	3
M14	×	1	YH2	88	30	10.5	8	11	3
M15	×	1.5	YH2	90	30	10.5	8	11	3
M15	×	1	YH2	90	30	10.5	8	11	3

Spiral Flute Taps for General Purpose

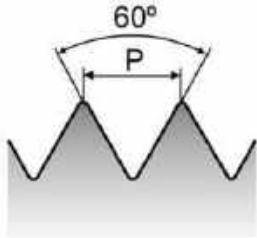
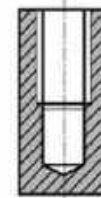
SPIRAL FLUTE TAP

HSS



Hole type

2.5×D



Unit : mm

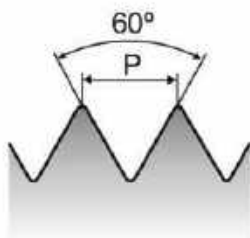
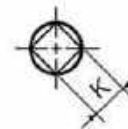
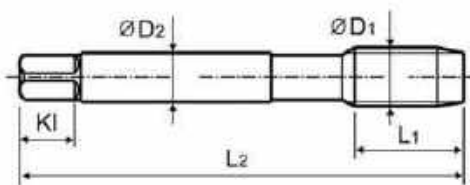
SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M16	× 2	YH2	95	32	12.5	10	13	3
M16	× 1.5	YH2	95	32	12.5	10	13	3
M16	× 1	YH2	95	32	12.5	10	13	3
M18	× 2.5	YH3	100	37	14	11	14	4
M18	× 2	YH3	100	37	14	11	14	4
M18	× 1.5	YH2	100	37	14	11	14	4
M18	× 1	YH2	100	37	14	11	14	4
M20	× 2.5	YH3	105	37	15	12	15	4
M20	× 2	YH3	105	37	15	12	15	4
M20	× 1.5	YH3	105	37	15	12	15	4
M20	× 1	YH2	95	30	15	12	15	4
M22	× 2.5	YH3	115	38	17	13	16	4
M22	× 2	YH3	115	38	17	13	16	4
M22	× 1.5	YH3	115	38	17	13	16	4
M22	× 1	YH2	95	30	17	13	16	4
M24	× 3	YH3	120	45	19	15	18	4
M24	× 2	YH3	120	45	19	15	18	4
M24	× 1.5	YH3	120	45	19	15	18	4
M24	× 1	YH2	95	30	19	15	18	4
M25	× 2	YH3	125	45	19	15	18	4
M25	× 1.5	YH3	125	45	19	15	18	4
M26	× 2	YH3	125	45	20	15	18	4

DiC

HSS

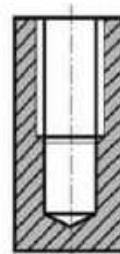


up to M7 : Male Center



Hole type

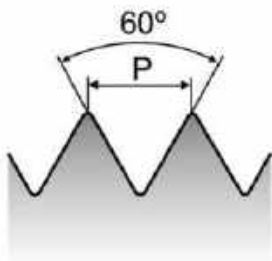
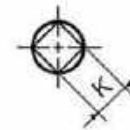
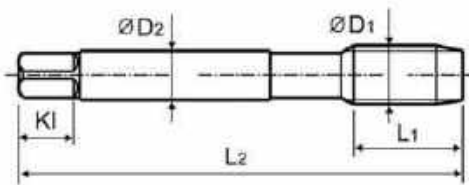
2.5×D



Unit : mm

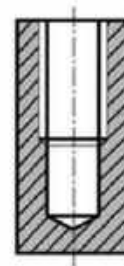
SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M26	× 1.5	YH3	125	45	20	15	18	4
M26	× 1	YH2	95	30	20	15	18	4
M27	× 3	YH3	130	45	20	15	18	4
M27	× 2	YH3	130	45	20	15	18	4
M27	× 1.5	YH3	130	45	20	15	18	4
M28	× 2	YH3	130	45	21	17	20	4
M28	× 1.5	YH3	130	45	21	17	20	4
M30	× 3.5	YH4	135	48	23	17	20	4
M30	× 3	YH3	135	48	23	17	20	4
M30	× 2	YH3	135	45	23	17	20	4
M30	× 1.5	YH3	135	45	23	17	20	4
M30	× 1	YH2	105	30	23	17	20	4
M33	× 3.5	YH4	145	51	25	19	22	4
M33	× 3	YH3	145	51	25	19	22	4
M33	× 2	YH3	145	45	25	19	22	4
M33	× 1.5	YH3	145	45	25	19	22	4
M36	× 4	YH4	155	57	28	21	24	4
M36	× 3	YH3	155	57	28	21	24	4
M36	× 2	YH3	155	45	28	21	24	4
M36	× 1.5	YH3	155	45	28	21	24	4

HSS



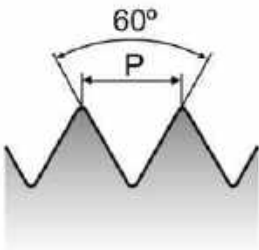
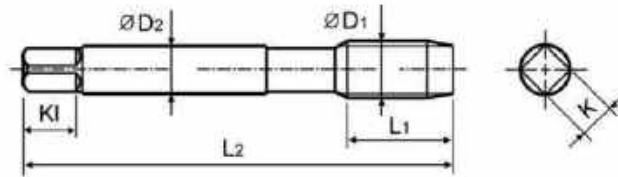
Hole type

$2.5 \times D$



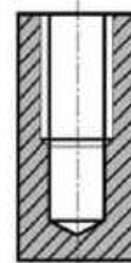
Unit: mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
#4 - 40 UNC		JIS II	44	9.5	3	2.5	5	3
#4 - 48 UNF		JIS II	44	9.5	3	2.5	5	3
#5 - 40 UNC		JIS II	46	11	4	3.2	6	3
#5 - 44 UNF		JIS II	46	11	4	3.2	6	3
#6 - 32 UNC		JIS II	48	13	4	3.2	6	3
#6 - 40 UNF		JIS II	48	13	4	3.2	6	3
#8 - 32 UNC		JIS II	52	13	5	4	7	3
#8 - 36 UNF		JIS II	52	13	5	4	7	3
#10 - 24 UNC		JIS II	60	16	5.5	4.5	7	3
#10 - 32 UNF		JIS II	60	16	5.5	4.5	7	3
#12 - 24 UNC		JIS II	60	16	5.5	4.5	7	3
#12 - 28 UNF		JIS II	60	16	5.5	4.5	7	3
1/4 - 20 UNC		JIS II	62	19	6	4.5	7	3
1/4 - 28 UNF		JIS II	62	19	6	4.5	7	3
5/16 - 18 UNC		JIS II	70	22	6.1	5	8	3
5/16 - 24 UNF		JIS II	70	22	6.1	5	8	3



Hole type

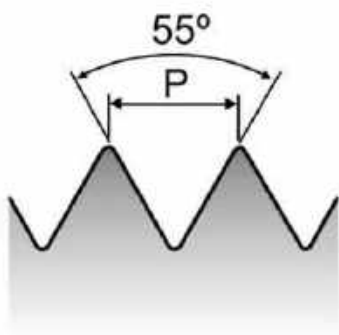
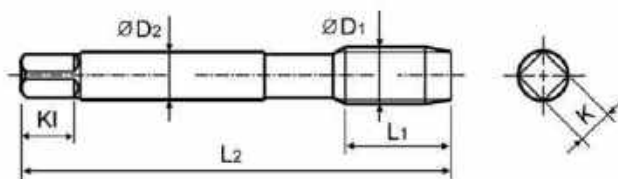
2.5×D



Unit : mm

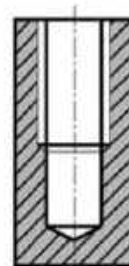
SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	K1	
3/8 - 16 UNC		JIS II	75	24	7	5.5	8	3
3/8 - 24 UNF		JIS II	75	24	7	5.5	8	3
7/16 - 14 UNC		JIS II	80	25	8	6	9	3
7/16 - 20 UNF		JIS II	80	25	8	6	9	3
1/2 - 13 UNC		JIS II	85	29	9	7	10	3
1/2 - 20 UNF		JIS II	85	29	9	7	10	3
9/16 - 12 UNC		JIS II	90	30	10.5	8	11	3
9/16 - 18 UNF		JIS II	90	30	10.5	8	11	3
5/8 - 11 UNC		JIS II	95	32	12	9	12	3
5/8 - 18 UNF		JIS II	95	32	12	9	12	3
3/4 - 10 UNC		JIS II	105	37	14	11	14	4
3/4 - 16 UNF		JIS II	105	37	14	11	14	4
7/8 - 9 UNC		JIS II	115	38	17	13	16	4
7/8 - 14 UNF		JIS II	115	38	17	13	16	4
1" - 8 UNC		JIS II	125	45	20	15	18	4
1" - 12 UNF		JIS II	125	45	20	15	18	4

HSS



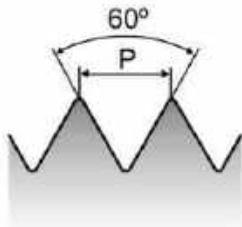
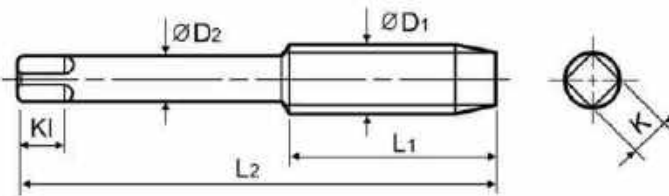
Hole type

2.5×D



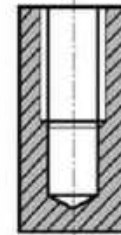
Unit: mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	K1	
W1/8	- 40	JIS II	46	11	4	3.2	6	3
W3/16	- 24	JIS II	60	16	5.5	4.5	7	3
W1/4	- 20	JIS II	62	19	6	4.5	7	3
W5/16	- 18	JIS II	70	22	6.1	5	8	3
W3/8	- 16	JIS II	75	24	7	5.5	8	3
W7/16	- 14	JIS II	80	25	8	6	9	3
W1/2	- 12	JIS II	85	29	9	7	10	3
W9/16	- 12	JIS II	90	30	10.5	8	11	3
W5/8	- 11	JIS II	95	32	12	9	12	3
W3/4	- 10	JIS II	105	37	14	11	14	4
W7/8	- 9	JIS II	115	38	17	13	16	4
W1"	- 8	JIS II	125	45	20	15	18	4



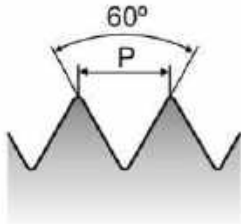
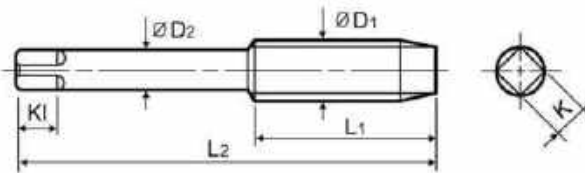
Hole type

2.5×D



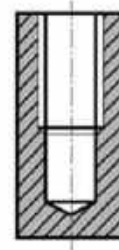
Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M2	× 0.4	YH1	40	15	3	2.5	5	2
M2.2	× 0.45	YH1	42	15	3	2.5	5	2
M2.3	× 0.4	YH1	42	15	3	2.5	5	2
M2.5	× 0.45	YH1	44	16	3	2.5	5	2
M2.6	× 0.45	YH1	44	16	3	2.5	5	2
M3	× 0.5	YH2	46	18	4	3.2	6	3
M3	× 0.35	YH1	46	10	4	3.2	6	3
M3.5	× 0.6	YH2	48	18	4	3.2	6	3
M3.5	× 0.35	YH1	48	10	4	3.2	6	3
M4	× 0.7	YH2	52	20	5	4	7	3
M4	× 0.5	YH1	52	15	5	4	7	3
M4.5	× 0.75	YH2	55	20	5	4	7	3
M4.5	× 0.5	YH1	55	15	5	4	7	3
M5	× 0.8	YH2	60	22	5.5	4.5	7	3
M5	× 0.5	YH1	52	15	5.5	4.5	7	3
M5.5	× 0.5	YH1	52	15	5.5	4.5	7	3
M6	× 1	YH2	62	24	6	4.5	7	3
M6	× 0.75	YH2	62	20	6	4.5	7	3
M6	× 0.5	YH1	55	15	6	4.5	7	3
M7	× 1	YH2	65	26	6.2	5	8	3
M7	× 0.75	YH2	62	20	6.2	5	8	3
M8	× 1.25	YH2	70	30	6.2	5	8	3



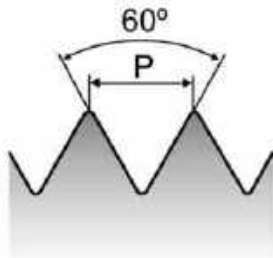
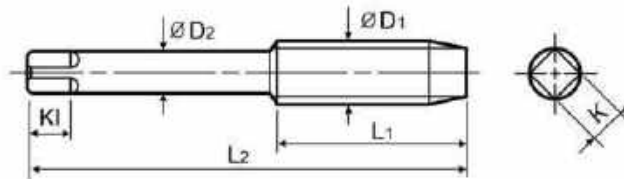
Hole type

2.5×D



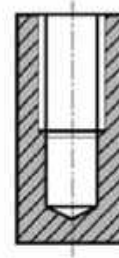
Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M8	× 1	YH2	70	30	6.2	5	8	3
M8	× 0.75	YH2	65	26	6.2	5	8	3
M9	× 1.25	YH2	72	30	7	5.5	8	3
M9	× 1	YH2	70	30	7	5.5	8	3
M9	× 0.75	YH2	65	26	7	5.5	8	3
M10	× 1.5	YH2	75	32	7	5.5	8	3
M10	× 1.25	YH2	75	32	7	5.5	8	3
M10	× 1	YH2	70	30	7	5.5	8	3
M10	× 0.75	YH2	65	26	7	5.5	8	3
M11	× 1.5	YH2	80	38	8	6	9	3
M11	× 1	YH2	70	30	8	6	9	3
M11	× 0.75	YH2	65	26	8	6	9	3
M12	× 1.75	YH2	82	38	8.5	6.5	9	3
M12	× 1.5	YH2	82	38	8.5	6.5	9	3
M12	× 1.25	YH2	80	38	8.5	6.5	9	3
M12	× 1	YH2	70	30	8.5	6.5	9	3
M14	× 2	YH2	88	42	10.5	8	11	3
M14	× 1.5	YH2	88	42	10.5	8	11	3
M14	× 1.25	YH2	80	38	10.5	8	11	3
M14	× 1	YH2	70	30	10.5	8	11	3
M15	× 1.5	YH2	90	42	10.5	8	11	3
M15	× 1	YH2	70	30	10.5	8	11	3



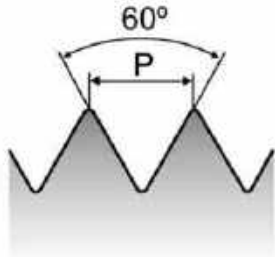
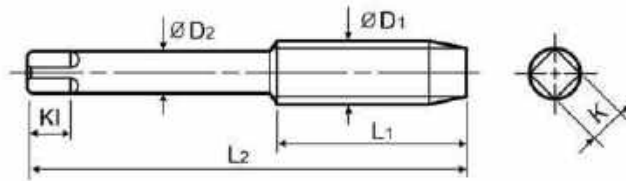
Hole type

2.5×D



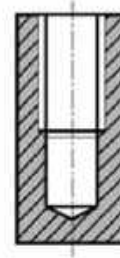
Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M16	× 2	YH2	95	45	12.5	10	13	3
M16	× 1.5	YH2	95	45	12.5	10	13	3
M16	× 1	YH2	75	30	12.5	10	13	3
M18	× 2.5	YH3	100	48	14	11	14	4
M18	× 2	YH3	95	45	14	11	14	4
M18	× 1.5	YH2	95	45	14	11	14	4
M18	× 1	YH2	80	30	14	11	14	4
M20	× 2.5	YH3	105	50	15	12	15	4
M20	× 2	YH3	95	45	15	12	15	4
M20	× 1.5	YH3	95	45	15	12	15	4
M20	× 1	YH2	80	30	15	12	15	4
M22	× 2.5	YH3	115	55	17	13	16	4
M22	× 2	YH3	95	45	17	13	16	4
M22	× 1.5	YH3	95	45	17	13	16	4
M22	× 1	YH2	85	30	17	13	16	4
M24	× 3	YH3	120	58	19	15	18	4
M24	× 2	YH3	95	45	19	15	18	4
M24	× 1.5	YH3	95	45	19	15	18	4
M24	× 1	YH2	90	30	19	15	18	4
M25	× 2	YH3	95	45	19	15	18	4
M25	× 1.5	YH3	95	45	19	15	18	4
M26	× 2	YH3	95	45	20	15	18	4



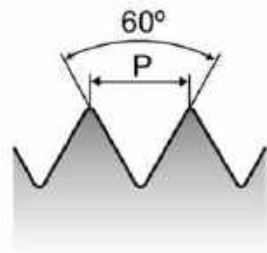
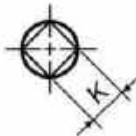
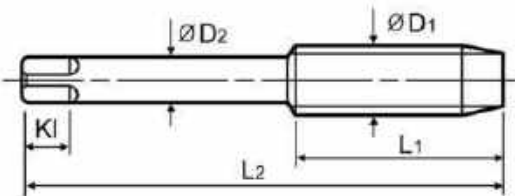
Hole type

2.5×D



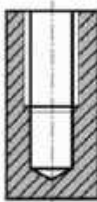
Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M26	× 1.5	YH3	95	45	20	15	18	4
M26	× 1	YH2	95	30	20	15	18	4
M27	× 3	YH3	130	62	20	15	18	4
M27	× 2	YH3	95	45	20	15	18	4
M27	× 1.5	YH3	95	45	20	15	18	4
M28	× 2	YH3	105	45	21	17	20	4
M28	× 1.5	YH3	105	45	21	17	20	4
M30	× 3.5	YH4	135	65	23	17	20	4
M30	× 3	YH3	135	65	23	17	20	4
M30	× 2	YH3	105	45	23	17	20	4
M30	× 1.5	YH3	105	45	23	17	20	4
M30	× 1	YH2	105	30	23	17	20	4
M33	× 3.5	YH4	145	70	25	19	22	4
M33	× 3	YH3	145	70	25	19	22	4
M33	× 2	YH3	110	45	25	19	22	4
M33	× 1.5	YH3	110	45	25	19	22	4
M36	× 4	YH4	155	75	28	21	24	4
M36	× 3	YH3	155	75	28	21	24	4
M36	× 2	YH3	110	45	28	21	24	4
M36	× 1.5	YH3	110	45	28	21	24	4



Hole type

2.5×D



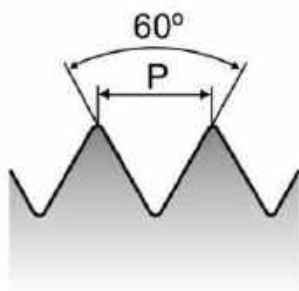
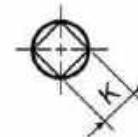
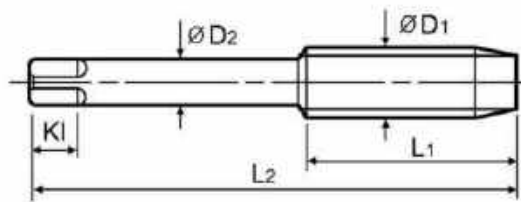
Unit: mm

SIZE		TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1				L2	L1	ØD2	K	KI	
#4	- 40	UNC	JIS II	44	16	3	2.5	5	3
#4	- 48	UNF	JIS II	44	16	3	2.5	5	3
#5	- 40	UNC	JIS II	46	18	4	3.2	6	3
#5	- 44	UNF	JIS II	46	18	4	3.2	6	3
#6	- 32	UNC	JIS II	48	18	4	3.2	6	3
#6	- 40	UNF	JIS II	48	18	4	3.2	6	3
#8	- 32	UNC	JIS II	52	20	5	4	7	3
#8	- 36	UNF	JIS II	52	20	5	4	7	3
#10	- 24	UNC	JIS II	60	22	5.5	4.5	7	3
#10	- 32	UNF	JIS II	60	22	5.5	4.5	7	3
#12	- 24	UNC	JIS II	60	22	5.5	4.5	7	3
#12	- 28	UNF	JIS II	60	22	5.5	4.5	7	3
1/4	- 20	UNC	JIS II	62	24	6	4.5	7	3
1/4	- 28	UNF	JIS II	62	24	6	4.5	7	3
5/16	- 18	UNC	JIS II	70	30	6.1	5	8	3
5/16	- 24	UNF	JIS II	70	30	6.1	5	8	3

HSS

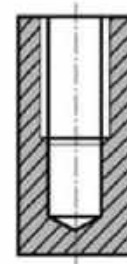


up to 5/16 : Male Center



Hole type

2.5×D



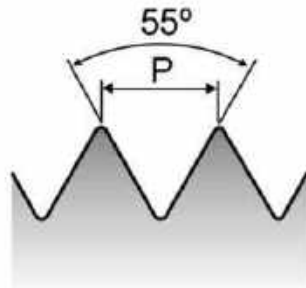
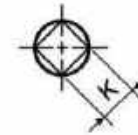
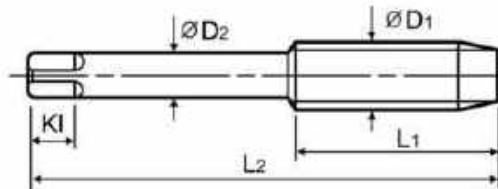
Unit : mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
3/8 - 16 UNC		JIS II	75	35	7	5.5	8	3
3/8 - 24 UNF		JIS II	75	32	7	5.5	8	3
7/16 - 14 UNC		JIS II	80	38	8	6	9	3
7/16 - 20 UNF		JIS II	80	38	8	6	9	3
1/2 - 13 UNC		JIS II	85	42	9	7	10	3
1/2 - 20 UNF		JIS II	85	42	9	7	10	3
9/16 - 12 UNC		JIS II	90	42	10.5	8	11	3
9/16 - 18 UNF		JIS II	90	42	10.5	8	11	3
5/8 - 11 UNC		JIS II	95	45	12	9	12	3
5/8 - 18 UNF		JIS II	95	45	12	9	12	3
3/4 - 10 UNC		JIS II	105	50	14	11	14	4
3/4 - 16 UNF		JIS II	95	45	14	11	14	4
7/8 - 9 UNC		JIS II	115	55	17	13	16	4
7/8 - 14 UNF		JIS II	95	45	17	13	16	4
1" - 8 UNC		JIS II	125	60	20	15	18	4
1" - 12 UNF		JIS II	95	45	20	15	18	4

HSS

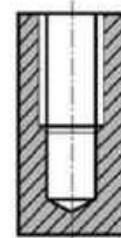


up to W5/16 : Male Center



Hole type

2.5×D



Unit : mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
W1/8	- 40	JIS II	46	18	4	3.2	6	3
W3/16	- 24	JIS II	60	22	5.5	4.5	7	3
W1/4	- 20	JIS II	62	24	6	4.5	7	3
W5/16	- 18	JIS II	70	30	6.1	5	8	3
W3/8	- 16	JIS II	75	35	7	5.5	8	3
W7/16	- 14	JIS II	80	38	8	6	9	3
W1/2	- 12	JIS II	85	42	9	7	10	3
W9/16	- 12	JIS II	90	42	10.5	8	11	3
W5/8	- 11	JIS II	95	45	12	9	12	3
W3/4	- 10	JIS II	105	50	14	11	14	4
W7/8	- 9	JIS II	115	55	17	13	16	4
W1"	- 8	JIS II	125	60	20	15	18	4

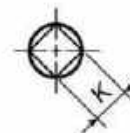
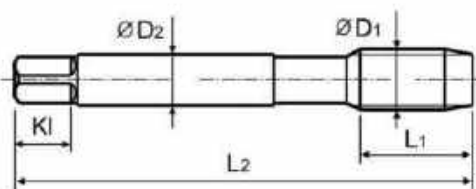
Spiral Flute Taps for Deep Hole

SPIRAL FLUTE TAP

HSS

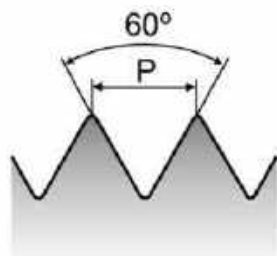
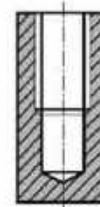


up to M7 : Male Center



Hole type

2.5×D



Unit : mm

SIZE		Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1		P		L2	L1	ØD2	K	KI	
M2	×	0.4	YH1	40	4	3	2.5	5	2
M2.2	×	0.45	YH1	42	4	3	2.5	5	2
M2.3	×	0.4	YH1	42	4	3	2.5	5	2
M2.5	×	0.45	YH1	44	4	3	2.5	5	2
M2.6	×	0.45	YH1	44	4	3	2.5	5	2
M3	×	0.5	YH2	46	5	4	3.2	6	3
M3	×	0.35	YH1	46	4	4	3.2	6	3
M3.5	×	0.6	YH2	48	6	4	3.2	6	3
M3.5	×	0.35	YH1	48	4	4	3.2	6	3
M4	×	0.7	YH2	52	7	5	4	7	3
M4	×	0.5	YH1	52	5	5	4	7	3
M4.5	×	0.75	YH2	55	7.5	5	4	7	3
M4.5	×	0.5	YH1	55	5	5	4	7	3
M5	×	0.8	YH2	60	8	5.5	4.5	7	3
M5	×	0.5	YH1	60	5	5.5	4.5	7	3
M5.5	×	0.5	YH1	60	5	5.5	4.5	7	3
M6	×	1	YH2	62	10	6	4.5	7	3
M6	×	0.75	YH2	62	7.5	6	4.5	7	3
M6	×	0.5	YH1	62	5	6	4.5	7	3
M7	×	1	YH2	65	10	6.2	5	8	3

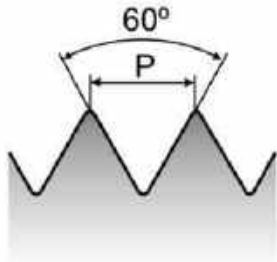
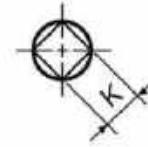
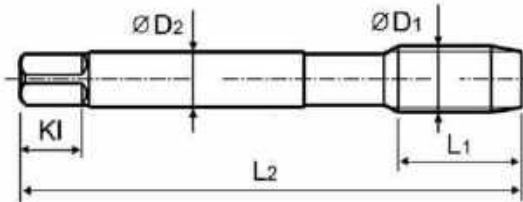
DiC

Spiral Flute Taps for Deep Hole

SPIRAL FLUTE TAP

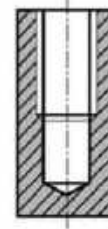
(For General Purpose)

HSS



Hole type

2.5×D



Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M7	× 0.75	YH2	65	7.5	6.2	5	8	3
M8	× 1.25	YH2	70	13.7	6.2	5	8	3
M8	× 1	YH2	70	10.9	6.2	5	8	3
M8	× 0.75	YH2	70	8.2	6.2	5	8	3
M9	× 1.25	YH2	72	13.7	7	5.5	8	3
M9	× 1	YH2	72	10.9	7	5.5	8	3
M9	× 0.75	YH2	72	8.2	7	5.5	8	3
M10	× 1.5	YH2	75	16.4	7	5.5	8	3
M10	× 1.25	YH2	75	13.7	7	5.5	8	3
M10	× 1	YH2	75	10.9	7	5.5	8	3
M10	× 0.75	YH2	75	8.2	7	5.5	8	3
M11	× 1.5	YH2	80	16.4	8	6	9	3
M11	× 1	YH2	80	10.9	8	6	9	3
M11	× 0.75	YH2	80	8.2	8	6	9	3
M12	× 1.75	YH2	82	19.2	8.5	6.5	9	3
M12	× 1.5	YH2	82	16.4	8.5	6.5	9	3
M12	× 1.25	YH2	82	13.7	8.5	6.5	9	3
M12	× 1	YH2	82	10.9	8.5	6.5	9	3
M14	× 2	YH2	88	21.9	10.5	8	11	3
M14	× 1.5	YH2	88	16.4	10.5	8	11	3

DiC

Spiral Flute Taps for Deep Hole

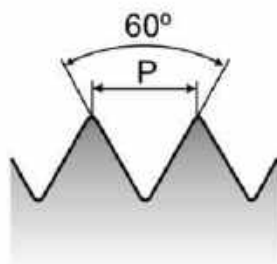
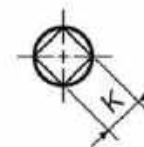
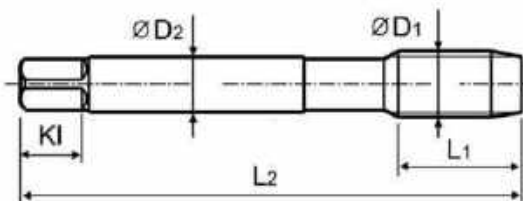
SPIRAL FLUTE TAP

(For General Purpose)

HSS

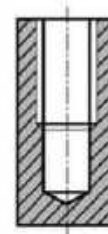


up to M7 : Male Center



Hole type

2.5×D



Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M14	× 1.25	YH2	88	13.5	10.5	8	11	3
M14	× 1	YH2	88	10.9	10.5	8	11	3
M15	× 1.5	YH2	90	16.4	10.5	8	11	3
M15	× 1	YH2	90	10.9	10.5	8	11	3
M16	× 2	YH2	95	21.9	12.5	10	13	3
M16	× 1.5	YH2	95	16.4	12.5	10	13	3
M16	× 1	YH2	95	10.9	12.5	10	13	3
M18	× 2.5	YH3	100	27.4	14	11	14	4
M18	× 2	YH3	100	21.9	14	11	14	4
M18	× 1.5	YH2	100	16.4	14	11	14	4
M18	× 1	YH2	95	10.9	14	11	14	4
M20	× 2.5	YH3	105	27.4	15	12	15	4
M20	× 2	YH3	105	21.9	15	12	15	4
M20	× 1.5	YH3	105	16.4	15	12	15	4
M20	× 1	YH2	95	10.9	15	12	15	4
M22	× 2.5	YH3	115	27.4	17	13	16	4
M22	× 2	YH3	115	21.9	17	13	16	4
M22	× 1.5	YH3	115	16.4	17	13	16	4
M22	× 1	YH2	95	10.9	17	13	16	4

DiC

Spiral Flute Taps for Deep Hole

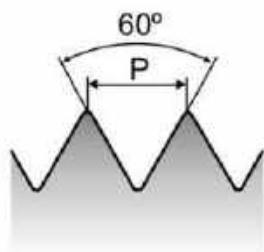
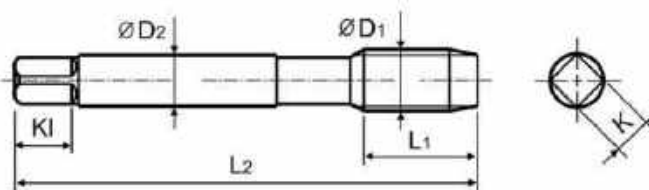
SPIRAL FLUTE TAP

(For General Purpose)

HSS

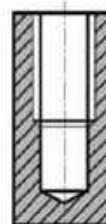


up to 5/16 : Male Center



Hole type

2.5×D



Unit: mm

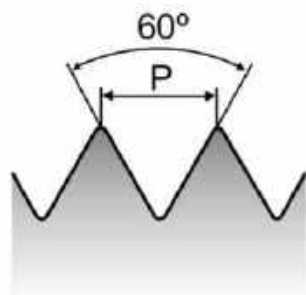
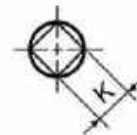
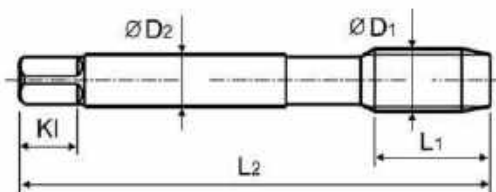
SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
#4 - 40 UNC		JIS II	44	6	3	2.5	5	3
#4 - 48 UNF		JIS II	44	6	3	2.5	5	3
#5 - 40 UNC		JIS II	46	6	4	3.2	6	3
#5 - 44 UNF		JIS II	46	6	4	3.2	6	3
#6 - 32 UNC		JIS II	48	7	4	3.2	6	3
#6 - 40 UNF		JIS II	48	7	4	3.2	6	3
#8 - 32 UNC		JIS II	52	7	5	4	7	3
#8 - 36 UNF		JIS II	52	7	5	4	7	3
#10 - 24 UNC		JIS II	60	10	5.5	4.5	7	3
#10 - 32 UNF		JIS II	60	7	5.5	4.5	7	3
#12 - 24 UNC		JIS II	60	10	5.5	4.5	7	3
#12 - 28 UNF		JIS II	60	9	5.5	4.5	7	3
1/4 - 20 UNC		JIS II	62	12	6	4.5	7	3
1/4 - 28 UNF		JIS II	62	9	6	4.5	7	3
5/16 - 18 UNC		JIS II	70	14	6.1	5	8	3
5/16 - 24 UNF		JIS II	70	10	6.1	5	8	3

Spiral Flute Taps for Deep Hole

SPIRAL FLUTE TAP

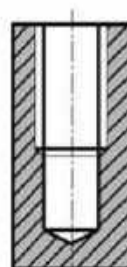
(For General Purpose)

HSS



Hole type

2.5×D



Unit : mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
3/8 - 16 UNC		JIS II	75	15	7	5.5	8	3
3/8 - 24 UNF		JIS II	75	10	7	5.5	8	3
7/16 - 14 UNC		JIS II	80	18	8	6	9	3
7/16 - 20 UNF		JIS II	80	12	8	6	9	3
1/2 - 13 UNC		JIS II	85	19	9	7	10	3
1/2 - 20 UNF		JIS II	85	12	9	7	10	3
9/16 - 12 UNC		JIS II	90	21	10.5	8	11	3
9/16 - 18 UNF		JIS II	90	14	10.5	8	11	3
5/8 - 11 UNC		JIS II	95	23	12	9	12	3
5/8 - 18 UNF		JIS II	95	14	12	9	12	3
3/4 - 10 UNC		JIS II	105	25	14	11	14	4
3/4 - 16 UNF		JIS II	105	15	14	11	14	4
7/8 - 9 UNC		JIS II	115	28	17	13	16	4
7/8 - 14 UNF		JIS II	115	18	17	13	16	4
1 - 8 UNC		JIS II	125	31	20	15	18	4
1 - 12 UNF		JIS II	125	21	20	15	18	4

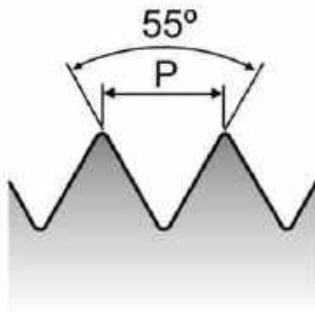
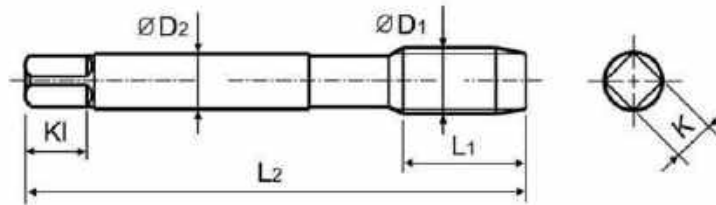
DiC

Spiral Flute Taps for Deep Hole

SPIRAL FLUTE TAP

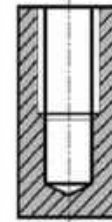
(For General Purpose)

HSS



Hole type

2.5×D



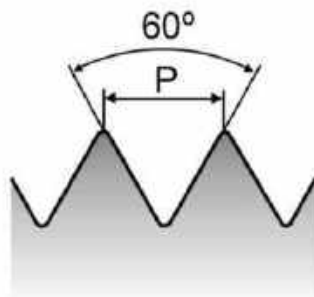
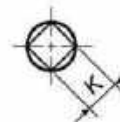
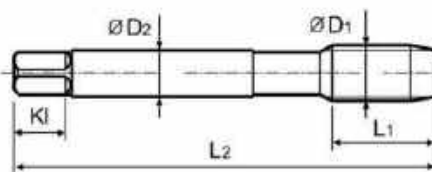
Unit: mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
W1/8	- 40	JIS II	46	6	4	3.2	6	3
W3/16	- 24	JIS II	60	10	5.5	4.5	7	3
W1/4	- 20	JIS II	62	12	6	4.5	7	3
W5/16	- 18	JIS II	70	14	6.1	5	8	3
W3/8	- 16	JIS II	75	15	7	5.5	8	3
W7/16	- 14	JIS II	80	18	8	6	9	3
W1/2	- 12	JIS II	85	19	9	7	10	3
W9/16	- 12	JIS II	90	21	10.5	8	11	3
W5/8	- 11	JIS II	95	23	12	9	12	3
W3/4	- 10	JIS II	105	25	14	11	14	4
W7/8	- 9	JIS II	115	28	17	13	16	4
W1"	- 8	JIS II	125	31	20	15	18	4

HSS

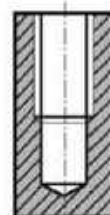


up to M7 : Male Center



Hole type

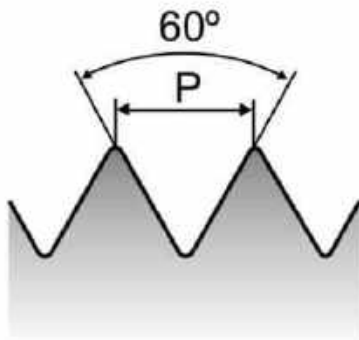
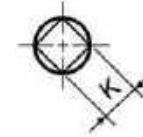
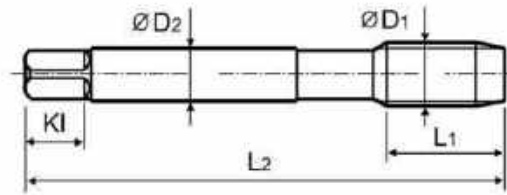
2.5×D



Unit: mm

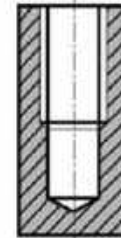
SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	K1	
M3	× 0.5	YH2	46	5	4	3.2	6	3
M4	× 0.7	YH2	52	7	5	4	7	3
M5	× 0.8	YH2	60	8	5.5	4.5	7	3
M6	× 1	YH2	62	10	6	4.5	7	3
M8	× 1.25	YH2	70	13.7	6.2	5	8	3
M10	× 1.5	YH2	75	16.4	7	5.5	8	3
M10	× 1.25	YH2	75	13.7	7	5.5	8	3
M12	× 1.75	YH2	82	19.2	8.5	6.5	9	3
M12	× 1.5	YH2	82	16.4	8.5	6.5	9	3
M12	× 1.25	YH2	82	13.7	8.5	6.5	9	3
M14	× 2	YH2	88	21.9	10.5	8	11	3
M14	× 1.5	YH2	88	16.4	10.5	8	11	3
M16	× 2	YH2	95	21.9	12.5	10	13	3
M16	× 1.5	YH2	95	16.4	12.5	10	13	3

HSS



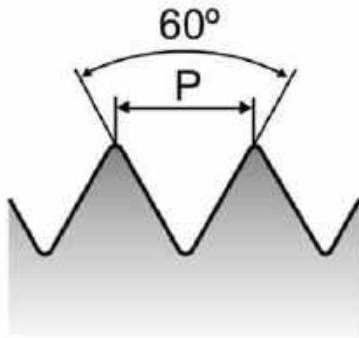
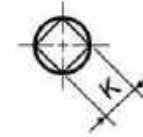
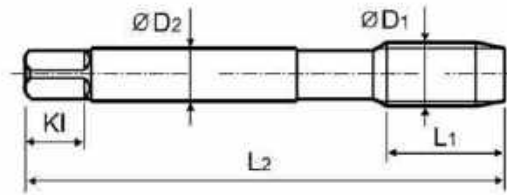
Hole type

2.5×D



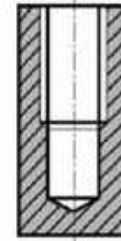
Unit : mm

SIZE	Pitch		Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P			L2	L1	ØD2	K	KI	
M3	×	0.5	YH1	100	11	4	3.2	6	3
M4	×	0.7	YH2	100	13	5	4	7	3
M5	×	0.8	YH2	100	16	5.5	4.5	7	3
M6	×	1	YH2	100	19	6	4.5	7	3
M8	×	1.25	YH2	100	22	6.2	5	8	3
M10	×	1.5	YH2	100	24	7	5.5	8	3
M10	×	1.25	YH2	100	24	7	5.5	8	3
M12	×	1.75	YH2	100	29	8.5	6.5	9	3
M12	×	1.5	YH2	100	29	8.5	6.5	9	3
M12	×	1.25	YH2	100	29	8.5	6.5	9	3
M14	×	2	YH2	100	30	10.5	8	11	3
M14	×	1.5	YH2	100	30	10.5	8	11	3



Hole type

2.5×D

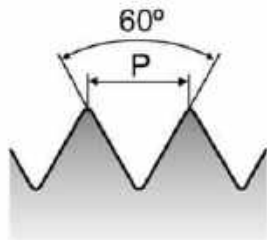
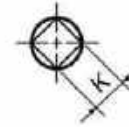
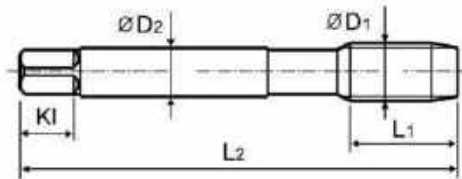


Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M3	× 0.5	YH1	120	11	4	3.2	6	3
M4	× 0.7	YH2	120	13	5	4	7	3
M5	× 0.8	YH2	120	16	5.5	4.5	7	3
M6	× 1	YH2	120	19	6	4.5	7	3
M8	× 1.25	YH2	120	22	6.2	5	8	3
M10	× 1.5	YH2	120	24	7	5.5	8	3
M10	× 1.25	YH2	120	24	7	5.5	8	3
M12	× 1.75	YH2	120	29	8.5	6.5	9	3
M12	× 1.5	YH2	120	29	8.5	6.5	9	3
M12	× 1.25	YH2	120	29	8.5	6.5	9	3
M14	× 2	YH2	120	30	10.5	8	11	3
M14	× 1.5	YH2	120	30	10.5	8	11	3
M16	× 2	YH2	120	32	12.5	10	13	3
M16	× 1.5	YH2	120	32	12.5	10	13	3

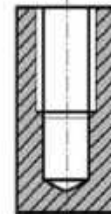


up to M7 : Male Center



Hole type

2.5×D



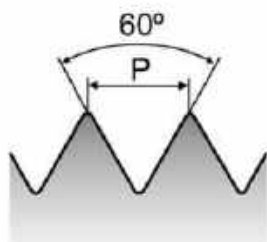
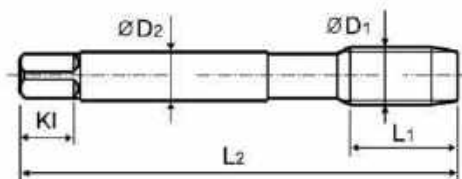
Unit: mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M3	× 0.5	YH1	150	11	4	3.2	6	3
M4	× 0.7	YH2	150	13	5	4	7	3
M5	× 0.8	YH2	150	16	5.5	4.5	7	3
M6	× 1	YH2	150	19	6	4.5	7	3
M8	× 1.25	YH2	150	22	6.2	5	8	3
M10	× 1.5	YH2	150	24	7	5.5	8	3
M10	× 1.25	YH2	150	24	7	5.5	8	3
M12	× 1.75	YH2	150	29	8.5	6.5	9	3
M12	× 1.5	YH2	150	29	8.5	6.5	9	3
M12	× 1.25	YH2	150	29	8.5	6.5	9	3
M14	× 2	YH2	150	30	10.5	8	11	3
M14	× 1.5	YH2	150	30	10.5	8	11	3
M16	× 2	YH2	150	32	12.5	10	13	3
M16	× 1.5	YH2	150	32	12.5	10	13	3
M18	× 2.5	YH3	150	37	14	11	14	4
M18	× 1.5	YH2	150	37	14	11	14	4
M20	× 2.5	YH3	150	37	15	12	15	4
M20	× 1.5	YH3	150	37	15	12	15	4
M22	× 2.5	YH3	150	38	17	13	16	4
M22	× 1.5	YH3	150	38	17	13	16	4
M24	× 3	YH3	150	45	19	15	18	4
M24	× 1.5	YH3	150	45	19	15	18	4

HSS

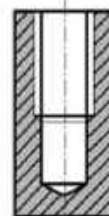


up to M7 : Male Center



Hole type

2.5×D

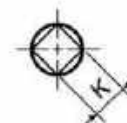
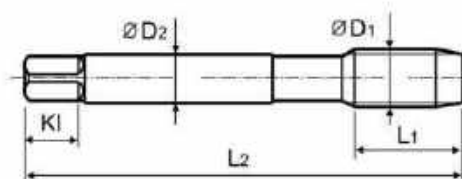


Unit : mm

SIZE	Pitch		Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P			L2	L1	ØD2	K	KI	
M8	×	1.25	YH2	200	22	6.2	5	8	3
M10	×	1.5	YH2	200	24	7	5.5	8	3
M10	×	1.25	YH2	200	24	7	5.5	8	3
M12	×	1.75	YH2	200	29	8.5	6.5	9	3
M12	×	1.5	YH2	200	29	8.5	6.5	9	3
M12	×	1.25	YH2	200	29	8.5	6.5	9	3
M14	×	2	YH2	200	30	10.5	8	11	3
M14	×	1.5	YH2	200	30	10.5	8	11	3
M16	×	2	YH2	200	32	12.5	10	13	3
M16	×	1.5	YH2	200	32	12.5	10	13	3
M18	×	2.5	YH3	200	37	14	11	14	4
M18	×	1.5	YH2	200	37	14	11	14	4
M20	×	2.5	YH3	200	37	15	12	15	4
M20	×	1.5	YH3	200	37	15	12	15	4
M22	×	2.5	YH3	200	38	17	13	16	4
M22	×	1.5	YH3	200	38	17	13	16	4
M24	×	3	YH3	200	45	19	15	18	4
M24	×	1.5	YH3	200	45	19	15	18	4

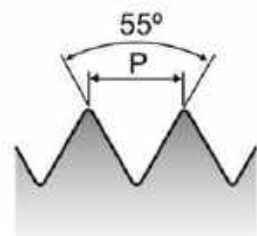
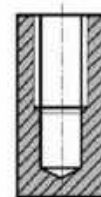


up to W5/16 : Male Center



Hole type

2.5×D



► 100mm

Unit : mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
W1/8	- 40	JIS II	100	11	4	3.2	6	3
W3/16	- 24	JIS II	100	16	5.5	4.5	7	3
W1/4	- 20	JIS II	100	19	6	4.5	7	3
W5/16	- 18	JIS II	100	22	6.1	5	8	3
W3/8	- 16	JIS II	100	24	7	5.5	8	3
W7/16	- 14	JIS II	100	25	8	6	9	3
W1/2	- 12	JIS II	100	29	9	7	10	3

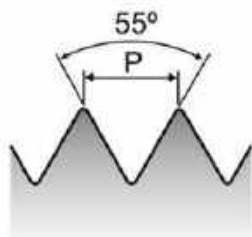
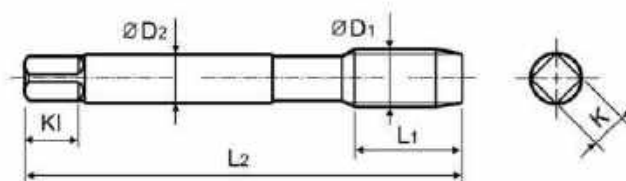
► 120mm

Unit : mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
W1/8	- 40	JIS II	120	11	4	3.2	6	3
W3/16	- 24	JIS II	120	16	5.5	4.5	7	3
W1/4	- 20	JIS II	120	19	6	4.5	7	3
W5/16	- 18	JIS II	120	22	6.1	5	8	3
W3/8	- 16	JIS II	120	24	7	5.5	8	3
W7/16	- 14	JIS II	120	25	8	6	9	3
W1/2	- 12	JIS II	120	29	9	7	10	3
W9/16	- 12	JIS II	120	30	10.5	8	11	3
W5/8	- 11	JIS II	120	32	12	9	12	3

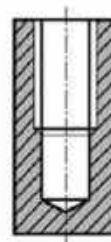


up to W5/16 : Male Center



Hole type

2.5×D



► 150mm

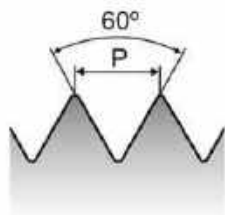
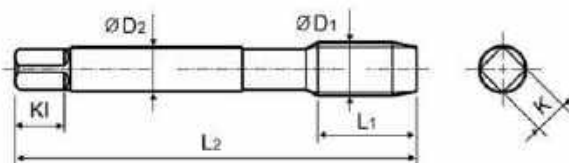
Unit mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	K1	
W1/8	- 40	JIS II	150	11	4	3.2	6	3
W3/16	- 24	JIS II	150	16	5.5	4.5	7	3
W1/4	- 20	JIS II	150	19	6	4.5	7	3
W5/16	- 18	JIS II	150	22	6.1	5	8	3
W3/8	- 16	JIS II	150	24	7	5.5	8	3
W7/16	- 14	JIS II	150	25	8	6	9	3
W1/2	- 12	JIS II	150	29	9	7	10	3
W9/16	- 12	JIS II	150	30	10.5	8	11	3
W5/8	- 11	JIS II	150	32	12	9	12	3
W3/4	- 10	JIS II	150	37	14	11	14	4
W7/8	- 9	JIS II	150	38	17	13	16	4
W1"	- 8	JIS II	150	45	20	15	18	4

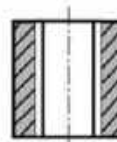
► 200mm

Unit: mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	K1	
W3/8	- 16	JIS II	200	24	7	5.5	8	3
W7/16	- 14	JIS II	200	25	8	6	9	3
W1/2	- 12	JIS II	200	29	9	7	10	3
W9/16	- 12	JIS II	200	30	10.5	8	11	3
W5/8	- 11	JIS II	200	32	12	9	12	3
W3/4	- 10	JIS II	200	37	14	11	14	4
W7/8	- 9	JIS II	200	38	17	13	16	4
W1"	- 8	JIS II	200	45	20	15	18	4



Hole type



3.0×D

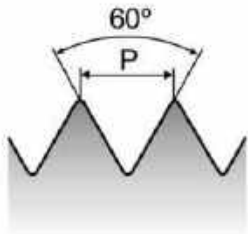
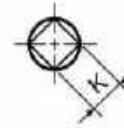
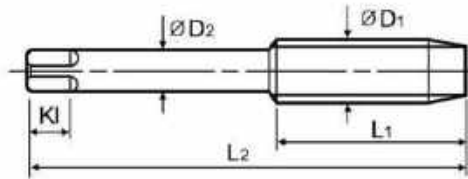


Unit : mm

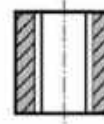
SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M3	× 0.5	YH2	46	11	4	3.2	6	3
M3.5	× 0.6	YH2	48	13	4	3.2	6	3
M4	× 0.7	YH2	52	13	5	4	7	3
M5	× 0.8	YH2	60	16	5.5	4.5	7	3
M6	× 1	YH2	62	19	6	4.5	7	3
M8	× 1.25	YH3	70	22	6.2	5	8	3
M10	× 1.5	YH3	75	24	7	5.5	8	3
M10	× 1.25	YH3	75	24	7	5.5	8	3
M12	× 1.75	YH4	82	29	8.5	6.5	9	3
M12	× 1.5	YH3	82	29	8.5	6.5	9	3
M12	× 1.25	YH3	82	29	8.5	6.5	9	3
M14	× 2	YH4	88	30	10.5	8	11	3
M14	× 1.5	YH3	88	30	10.5	8	11	3
M16	× 2	YH4	95	32	12.5	10	13	3
M16	× 1.5	YH3	95	32	12.5	10	13	3
M18	× 2.5	YH4	100	37	14	11	14	3
M18	× 1.5	YH4	100	37	14	11	14	3
M20	× 2.5	YH4	105	37	15	12	15	3
M20	× 1.5	YH4	105	37	15	12	15	3



up to M8 : Male Center



Hole type



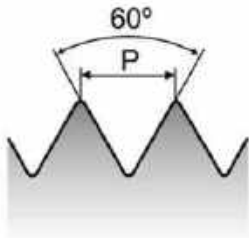
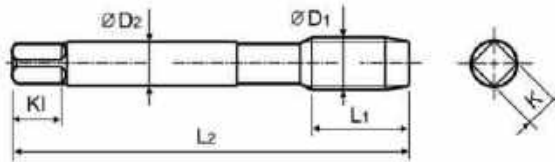
3.0×D



Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M3	× 0.5	YH2	46	18	4	3.2	6	3
M3.5	× 0.6	YH2	48	18	4	3.2	6	3
M4	× 0.7	YH2	52	20	5	4	7	3
M5	× 0.8	YH2	60	22	5.5	4.5	7	3
M6	× 1	YH2	62	24	6	4.5	7	3
M8	× 1.25	YH2	70	30	6.2	5	8	3
M10	× 1.5	YH3	75	32	7	5.5	8	3
M10	× 1.25	YH3	75	32	7	5.5	8	3
M12	× 1.75	YH4	82	38	8.5	6.5	9	3
M12	× 1.5	YH3	82	38	8.5	6.5	9	3
M12	× 1.25	YH3	80	38	8.5	6.5	9	3
M14	× 2	YH4	88	42	10.5	8	11	3
M14	× 1.5	YH3	88	42	10.5	8	11	3
M16	× 2	YH4	95	45	12.5	10	13	3
M16	× 1.5	YH3	95	45	12.5	10	13	3
M18	× 2.5	YH4	100	48	14	11	14	3
M18	× 1.5	YH4	95	45	14	11	14	3
M20	× 2.5	YH4	105	50	15	12	15	3
M20	× 1.5	YH4	95	45	15	12	15	3

HSS



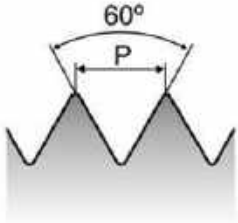
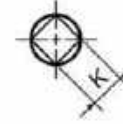
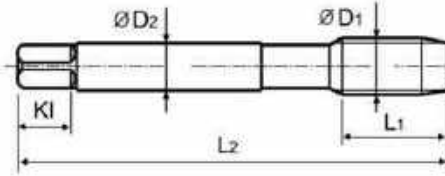
Hole type

3.0×D



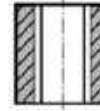
Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M1	x 0.25	YH1	30.0	5.5	3.0	2.5	5.0	2
M1.1	x 0.25	YH1	32.0	5.5	3.0	2.5	5.0	2
M1.2	x 0.25	YH1	32.0	5.5	3.0	2.5	5.0	2
M1.4	x 0.3	YH1	34.0	8.0	3.0	2.5	5.0	2
M1.6	x 0.35	YH1	36.0	8.0	3.0	2.5	5.0	2
M1.7	x 0.35	YH1	36.0	8.0	3.0	2.5	5.0	2
M1.8	x 0.35	YH2	36.0	8.0	3.0	2.5	5.0	2
M2	x 0.4	YH2	40.0	9.5	3.0	2.5	5.0	2
M2.2	x 0.45	YH2	42.0	9.5	3.0	2.5	5.0	2
M2.3	x 0.4	YH2	42.0	9.5	3.0	2.5	5.0	2
M2.5	x 0.45	YH2	44.0	9.5	3.0	2.5	5.0	2
M2.6	x 0.45	YH2	44.0	9.5	3.0	2.5	5.0	2
M3	x 0.5	YH2	46.0	11.0	4.0	3.2	6.0	3
M3	x 0.35	YH2	46.0	11.0	4.0	3.2	6.0	3
M3.5	x 0.6	YH2	48.0	13.0	4.0	3.2	6.0	3
M3.5	x 0.35	YH2	48.0	13.0	4.0	3.2	6.0	3
M4	x 0.7	YH2	52.0	13.0	5.0	4.0	7.0	3
M4	x 0.5	YH2	52.0	13.0	5.0	4.0	7.0	3
M4.5	x 0.75	YH2	55.0	13.0	5.0	4.0	7.0	3
M4.5	x 0.5	YH2	55.0	13.0	5.0	4.0	7.0	3
M5	x 0.8	YH2	60.0	16.0	5.5	4.5	7.0	3
M5	x 0.5	YH2	60.0	16.0	5.5	4.5	7.0	3
M5.5	x 0.5	YH2	60.0	16.0	5.5	4.5	7.0	3
M6	x 1.0	YH2	62.0	19.0	6.0	4.5	7.0	3



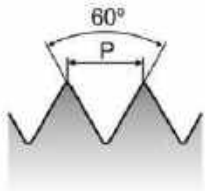
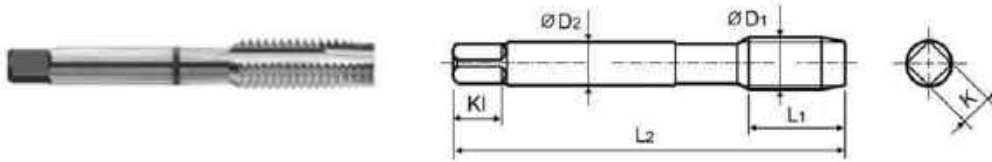
Hole type

3.0×D



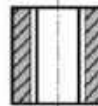
Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M6	x 0.75	YH2	62.0	19.0	6.0	4.5	7.0	3
M6	x 0.5	YH2	62.0	19.0	6.0	4.5	7.0	3
M7	x 1.0	YH2	65.0	19.0	6.2	5.0	8.0	3
M7	x 0.75	YH2	65.0	19.0	6.2	5.0	8.0	3
M8	x 1.25	YH3	70.0	22.0	6.2	5.0	8.0	3
M8	x 1.0	YH3	70.0	22.0	6.2	5.0	8.0	3
M8	x 0.75	YH3	70.0	22.0	6.2	5.0	8.0	3
M9	x 1.25	YH3	72.0	22.0	7.0	5.5	8.0	3
M9	x 1.0	YH3	72.0	22.0	7.0	5.5	8.0	3
M9	x 0.75	YH3	72.0	22.0	7.0	5.5	8.0	3
M10	x 1.5	YH3	75.0	24.0	7.0	5.5	8.0	3
M10	x 1.25	YH3	75.0	24.0	7.0	5.5	8.0	3
M10	x 1.0	YH3	75.0	24.0	7.0	5.5	8.0	3
M11	x 1.5	YH3	80.0	25.0	8.0	6.0	9.0	3
M11	x 1.0	YH3	80.0	25.0	8.0	6.0	9.0	3
M11	x 0.75	YH3	80.0	25.0	8.0	6.0	9.0	3
M12	x 1.75	YH4	82.0	29.0	8.5	6.5	9.0	3
M12	x 1.5	YH3	82.0	29.0	8.5	6.5	9.0	3
M12	x 1.25	YH3	82.0	29.0	8.5	6.5	9.0	3
M12	x 1.0	YH3	82.0	29.0	8.5	6.5	9.0	3
M14	x 2.0	YH4	88.0	30.0	10.5	8.0	11.0	3
M14	x 1.5	YH3	88.0	30.0	10.5	8.0	11.0	3
M14	x 1.25	YH3	88.0	30.0	10.5	8.0	11.0	3
M14	x 1.0	YH3	88.0	30.0	10.5	8.0	11.0	3



Hole type

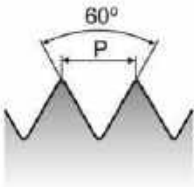
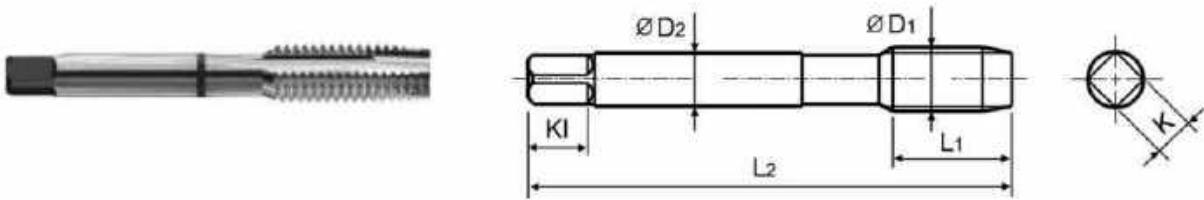
3.0×D



Unit : mm

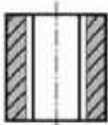
SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	K1	
M15	x 1.5	YH3	90.0	30.0	10.5	8.0	11.0	3
M15	x 1.0	YH3	90.0	30.0	10.5	8.0	11.0	3
M16	x 2.0	YH4	95.0	32.0	12.5	10.0	13.0	3
M16	x 1.5	YH3	95.0	32.0	12.5	10.0	13.0	3
M16	x 1.0	YH3	95.0	32.0	12.5	10.0	13.0	3
M18	x 2.5	YH4	100.0	37.0	14.0	11.0	14.0	3
M18	x 2.0	YH4	100.0	37.0	14.0	11.0	14.0	3
M18	x 1.5	YH4	100.0	37.0	14.0	11.0	14.0	3
M18	x 1.0	YH3	100.0	37.0	14.0	11.0	14.0	3
M20	x 2.5	YH4	105.0	37.0	15.0	12.0	15.0	3
M20	x 2.0	YH4	105.0	37.0	15.0	12.0	15.0	3
M20	x 1.5	YH4	105.0	37.0	15.0	12.0	15.0	3
M20	x 1.0	YH3	105.0	37.0	15.0	12.0	15.0	3
M22	x 2.5	YH4	115.0	38.0	17.0	13.0	16.0	3
M22	x 2.0	YH4	115.0	38.0	17.0	13.0	16.0	3
M22	x 1.5	YH4	115.0	38.0	17.0	13.0	16.0	3
M22	x 1.0	YH3	115.0	38.0	17.0	13.0	16.0	3
M24	x 3.0	YH4	120.0	45.0	19.0	15.0	18.0	3
M24	x 2.0	YH4	120.0	45.0	19.0	15.0	18.0	3
M24	x 1.5	YH4	120.0	45.0	19.0	15.0	18.0	3
M24	x 1.0	YH3	120.0	45.0	19.0	15.0	18.0	3
M25	x 2.0	YH4	125.0	45.0	19.0	15.0	18.0	3
M25	x 1.5	YH4	125.0	45.0	19.0	15.0	18.0	3
M26	x 2.0	YH4	125.0	45.0	20.0	15.0	18.0	4

HSS



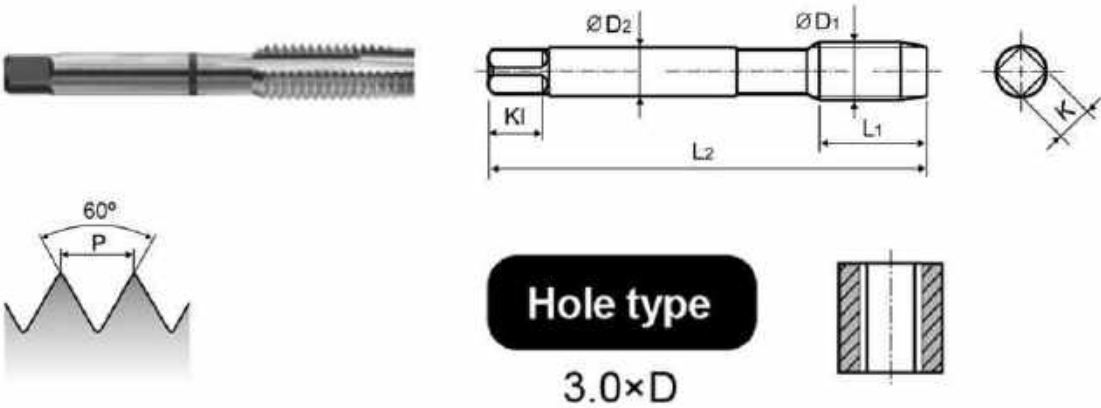
Hole type

3.0×D



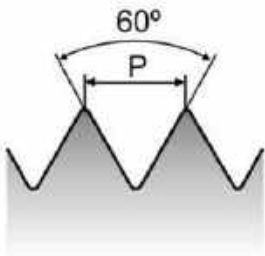
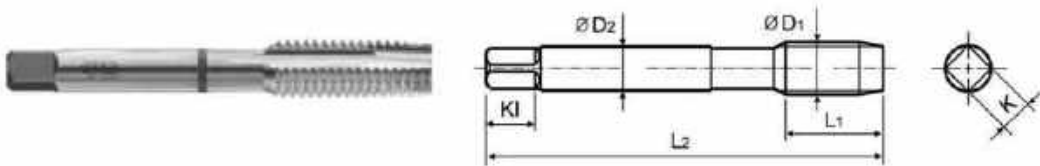
Unit: mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M26	x 1.5	YH4	125.0	45.0	20.0	15.0	18.0	4
M26	x 1.0	YH3	125.0	45.0	20.0	15.0	18.0	4
M27	x 3.0	YH4	130.0	45.0	20.0	15.0	18.0	4
M27	x 2.0	YH4	130.0	45.0	20.0	15.0	18.0	4
M27	x 1.5	YH4	130.0	45.0	20.0	15.0	18.0	4
M28	x 2.0	YH4	130.0	45.0	21.0	17.0	20.0	4
M28	x 1.5	YH4	130.0	45.0	21.0	17.0	20.0	4
M30	x 3.5	YH5	135.0	48.0	23.0	17.0	20.0	4
M30	x 3.0	YH4	135.0	48.0	23.0	17.0	20.0	4
M30	x 2.0	YH4	135.0	48.0	23.0	17.0	20.0	4
M30	x 1.5	YH4	135.0	48.0	23.0	17.0	20.0	4
M30	x 1.0	YH2	135.0	48.0	23.0	17.0	20.0	4
M33	x 3.5	YH5	145.0	51.0	25.0	19.0	22.0	4
M33	x 3.0	YH4	145.0	51.0	25.0	19.0	22.0	4
M33	x 2.0	YH3	145.0	45.0	25.0	19.0	22.0	4
M33	x 1.5	YH4	145.0	45.0	25.0	19.0	22.0	4
M36	x 4.0	YH5	155.0	57.0	28.0	21.0	24.0	4
M36	x 3.0	YH4	155.0	57.0	28.0	21.0	24.0	4
M36	x 2.0	YH3	155.0	45.0	28.0	21.0	24.0	4
M36	x 1.5	YH4	155.0	45.0	28.0	21.0	24.0	4



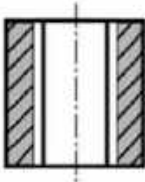
Unit: mm								
SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
#2 - 56UNC		YH1	42.0	9.5	3.0	2.5	5.0	2
#2 - 64UNF		YH1	42.0	9.5	3.0	2.5	5.0	2
#3 - 48UNC		YH1	44.0	9.5	3.0	2.5	5.0	2
#3 - 56UNF		YH1	44.0	9.5	3.0	2.5	5.0	2
#4 - 40UNC		YH2	44.0	9.5	3.0	2.5	5.0	2
#4 - 48UNF		YH2	44.0	9.5	3.0	2.5	5.0	2
#5 - 40UNC		YH2	46.0	11.0	4.0	3.2	6.0	3
#5 - 44UNF		YH2	46.0	11.0	4.0	3.2	6.0	3
#6 - 32UNC		YH2	48.0	13.0	4.0	3.2	6.0	3
#6 - 40UNF		YH2	48.0	13.0	4.0	3.2	6.0	3
#8 - 32UNC		YH2	52.0	13.0	5.0	4.0	7.0	3
#8 - 36UNF		YH2	52.0	13.0	5.0	4.0	7.0	3
#10 - 24UNC		YH2	60.0	16.0	5.5	4.5	7.0	3
#10 - 32UNF		YH2	60.0	16.0	5.5	4.5	7.0	3
#12 - 24UNC		YH2	60.0	16.0	5.5	4.5	7.0	3
#12 - 28UNF		YH2	60.0	16.0	5.5	4.5	7.0	3
1/4 - 20UNC		YH2	62.0	19.0	6.0	4.5	7.0	3
1/4 - 28UNF		YH2	62.0	19.0	6.0	4.5	7.0	3
5/16 - 18UNC		YH2	70.0	22.0	6.1	5.0	8.0	3
5/16 - 24UNF		YH2	70.0	22.0	6.1	5.0	8.0	3
3/8 - 16UNC		YH3	75.0	24.0	7.0	5.5	8.0	3
3/8 - 24UNF		YH2	75.0	24.0	7.0	5.5	8.0	3
7/16 - 14UNC		YH3	80.0	25.0	8.0	6.0	9.0	3
7/16 - 20UNF		YH3	80.0	25.0	8.0	6.0	9.0	3
1/2 - 13UNC		YH3	85.0	29.0	9.0	7.0	10.0	3
1/2 - 20UNF		YH2	85.0	29.0	9.0	7.0	10.0	3

HSS



Hole type

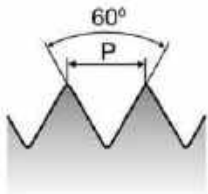
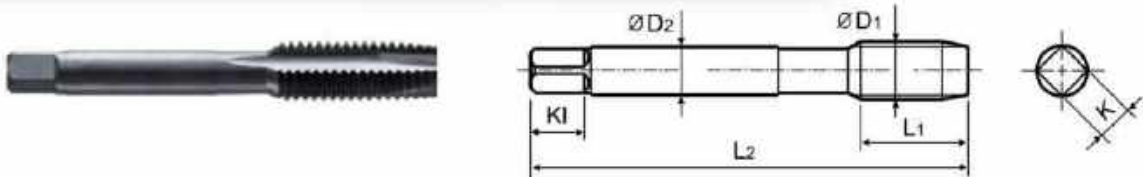
3.0×D



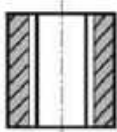
Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	K1	
9/16 - 12UNC		YH3	90.0	30.0	10.5	8.0	11.0	3
9/16 - 18UNF		YH2	90.0	30.0	10.5	8.0	11.0	3
5/8 - 11UNC		YH3	95.0	32.0	12.0	9.0	12.0	3
5/8 - 18UNF		YH3	95.0	32.0	12.0	9.0	12.0	3
3/4 - 10UNC		YH3	105.0	37.0	14.0	11.0	14.0	3
3/4 - 16UNF		YH3	105.0	37.0	14.0	11.0	14.0	3
7/8 - 9UNC		YH4	115.0	38.0	17.0	13.0	16.0	3
7/8 - 14UNF		YH3	115.0	38.0	17.0	13.0	16.0	3
1" - 8UNC		YH4	125.0	45.0	20.0	15.0	18.0	3
1" - 12UNF		YH3	125.0	45.0	20.0	15.0	18.0	3

HSS



Hole type



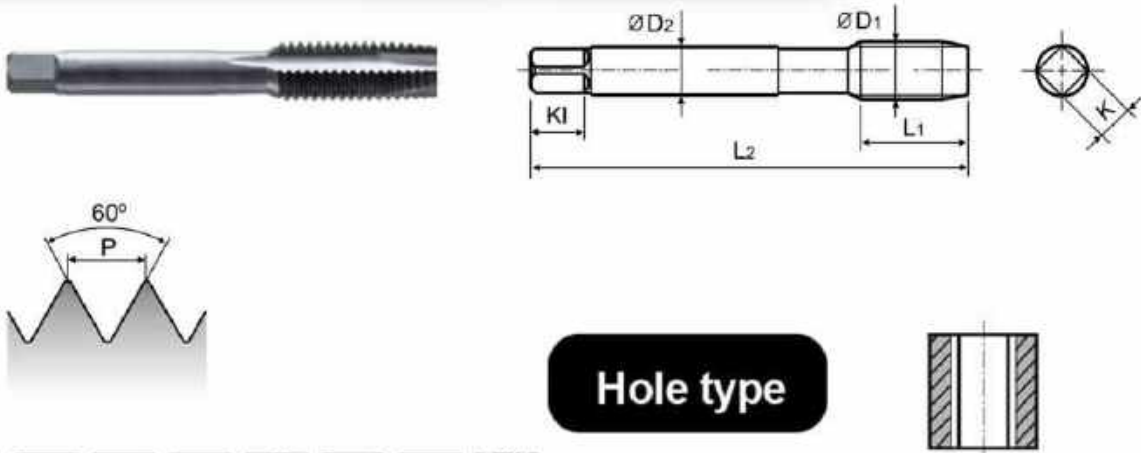
3.0×D



Unit: mm

SIZE		Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1		P		L2	L1	ØD2	K	K1	
M2	×	0.4	YH2	40	9.5	3	2.5	5	2
M2.2	×	0.45	YH2	42	9.5	3	2.5	5	2
M2.3	×	0.4	YH2	42	9.5	3	2.5	5	2
M2.5	×	0.45	YH2	44	9.5	3	2.5	5	2
M2.6	×	0.45	YH2	44	9.5	3	2.5	5	2
M3	×	0.5	YH2	46	11	4	3.2	6	3
M3	×	0.35	YH2	46	9.5	4	3.2	6	3
M3.5	×	0.6	YH2	48	13	4	3.2	6	3
M3.5	×	0.35	YH2	48	9.5	4	3.2	6	3
M4	×	0.7	YH2	52	13	5	4	7	3
M4	×	0.5	YH2	52	13	5	4	7	3
M4.5	×	0.75	YH2	55	13	5	4	7	3
M4.5	×	0.5	YH2	55	13	5	4	7	3
M5	×	0.8	YH2	60	16	5.5	4.5	7	3
M5	×	0.5	YH2	60	16	5.5	4.5	7	3
M5.5	×	0.5	YH2	55	13	5.5	4.5	7	3
M6	×	1	YH2	62	19	6	4.5	7	3
M6	×	0.75	YH2	62	19	6	4.5	7	3
M6	×	0.5	YH2	62	19	6	4.5	7	3
M7	×	1	YH2	65	19	6.2	5	8	3
M7	×	0.75	YH2	65	19	6.2	5	8	3
M8	×	1.25	YH3	70	22	6.2	5	8	3

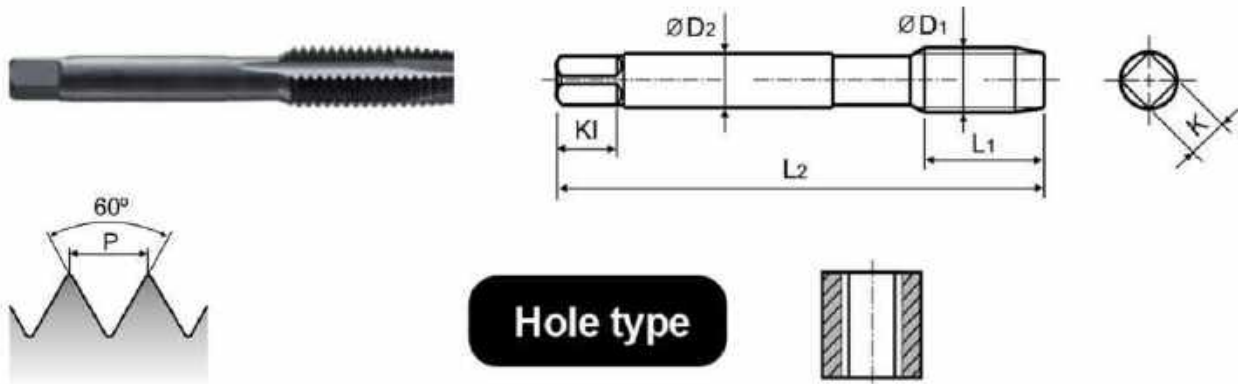
HSS



3.0×D

Unit : mm

SIZE		Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1		P		L2	L1	ØD2	K	Kl	
M8	×	1	YH3	70	22	6.2	5	8	3
M8	×	0.75	YH3	70	22	6.2	5	8	3
M9	×	1.25	YH3	72	22	7	5.5	8	3
M9	×	1	YH3	72	22	7	5.5	8	3
M9	×	0.75	YH3	72	22	7	5.5	8	3
M10	×	1.5	YH3	75	24	7	5.5	8	3
M10	×	1.25	YH3	75	24	7	5.5	8	3
M10	×	1	YH3	75	24	7	5.5	8	3
M10	×	0.75	YH3	75	24	7	5.5	8	3
M11	×	1.5	YH3	80	25	8	6	9	3
M11	×	1	YH3	80	25	8	6	9	3
M11	×	0.75	YH3	80	25	8	6	9	3
M12	×	1.75	YH4	82	29	8.5	6.5	9	3
M12	×	1.5	YH3	82	29	8.5	6.5	9	3
M12	×	1.25	YH3	82	29	8.5	6.5	9	3
M12	×	1	YH3	82	29	8.5	6.5	9	3
M14	×	2	YH4	88	30	10.5	8	11	3
M14	×	1.5	YH3	88	30	10.5	8	11	3
M14	×	1.25	YH3	88	30	10.5	8	11	3
M14	×	1	YH3	88	30	10.5	8	11	3
M15	×	1.5	YH3	90	30	10.5	8	11	3
M15	×	1	YH3	90	30	10.5	8	11	3



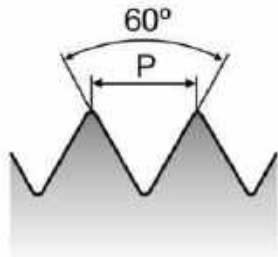
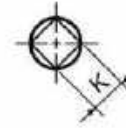
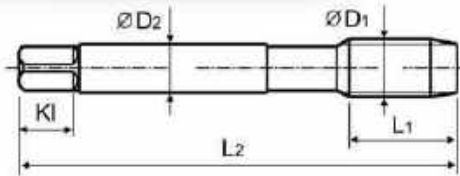
3.0×D

Unit: mm

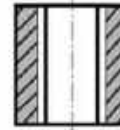
SIZE		Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1		P		L2	L1	ØD2	K	KI	
M16	×	2	YH4	95	32	12.5	10	13	3
M16	×	1.5	YH3	95	32	12.5	10	13	3
M16	×	1	YH3	95	32	12.5	10	13	3
M18	×	2.5	YH4	100	37	14	11	14	3
M18	×	2	YH4	100	37	14	11	14	3
M18	×	1.5	YH4	100	37	14	11	14	3
M18	×	1	YH3	95	30	14	11	14	3
M20	×	2.5	YH4	105	37	15	12	15	3
M20	×	2	YH4	105	37	15	12	15	3
M20	×	1.5	YH4	105	37	15	12	15	3
M20	×	1	YH3	95	30	15	12	15	3
M22	×	2.5	YH4	115	38	17	13	16	3
M22	×	2	YH4	115	38	17	13	16	3
M22	×	1.5	YH4	115	38	17	13	16	3
M22	×	1	YH3	95	30	17	13	16	3
M24	×	3	YH4	120	45	19	15	18	3
M24	×	2	YH4	120	45	19	15	18	3
M24	×	1.5	YH4	120	45	19	15	18	3
M24	×	1	YH3	95	30	19	15	18	3
M25	×	2	YH4	125	45	19	15	18	3
M25	×	1.5	YH4	125	45	19	15	18	3
M26	×	2	YH4	125	45	20	15	18	4



up to M8 : Male Center



Hole type



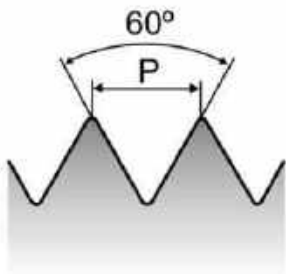
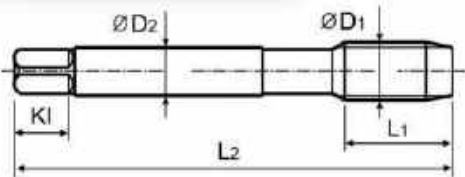
3.0×D



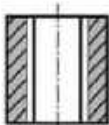
Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M26	× 1.5	YH4	125	45	20	15	18	4
M26	× 1	YH3	95	30	20	15	18	4
M27	× 3	YH4	130	45	20	15	18	4
M27	× 2	YH4	130	45	20	15	18	4
M27	× 1.5	YH4	130	45	20	15	18	4
M28	× 2	YH4	130	45	21	17	20	4
M28	× 1.5	YH4	130	45	21	17	20	4
M30	× 3.5	YH5	135	48	23	17	20	4
M30	× 3	YH4	135	48	23	17	20	4
M30	× 2	YH4	135	45	23	17	20	4
M30	× 1.5	YH4	135	45	23	17	20	4
M30	× 1	YH2	105	30	23	17	20	4
M33	× 3.5	YH5	145	51	25	19	22	4
M33	× 3	YH4	145	51	25	19	22	4
M33	× 2	YH3	145	45	25	19	22	4
M33	× 1.5	YH4	145	45	25	19	22	4
M36	× 4	YH5	155	57	28	21	24	4
M36	× 3	YH4	155	57	28	21	24	4
M36	× 2	YH3	155	45	28	21	24	4
M36	× 1.5	YH4	155	45	28	21	24	4

HSS



Hole type



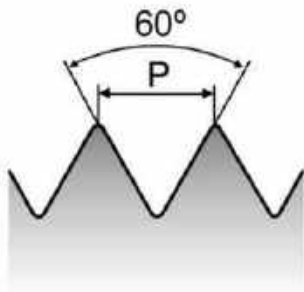
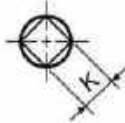
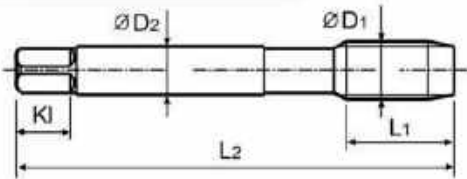
3.0×D



Unit : mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
#4	- 40 UNC	JIS II	44	9.5	3	2.5	5	2
#4	- 48 UNF	JIS II	44	9.5	3	2.5	5	2
#5	- 40 UNC	JIS II	46	11	4	3.2	6	3
#5	- 44 UNF	JIS II	46	11	4	3.2	6	3
#6	- 32 UNC	JIS II	48	13	4	3.2	6	3
#6	- 40 UNF	JIS II	48	13	4	3.2	6	3
#8	- 32 UNC	JIS II	52	13	5	4	7	3
#8	- 36 UNF	JIS II	52	13	5	4	7	3
#10	- 24 UNC	JIS II	60	16	5.5	4.5	7	3
#10	- 32 UNF	JIS II	60	16	5.5	4.5	7	3
#12	- 24 UNC	JIS II	60	16	5.5	4.5	7	3
#12	- 28 UNF	JIS II	60	16	5.5	4.5	7	3
1/4	- 20 UNC	JIS II	62	19	6	4.5	7	3
1/4	- 28 UNF	JIS II	62	19	6	4.5	7	3
5/16	- 18 UNC	JIS II	70	22	6.1	5	8	3
5/16	- 24 UNF	JIS II	70	22	6.1	5	8	3

HSS



Hole type

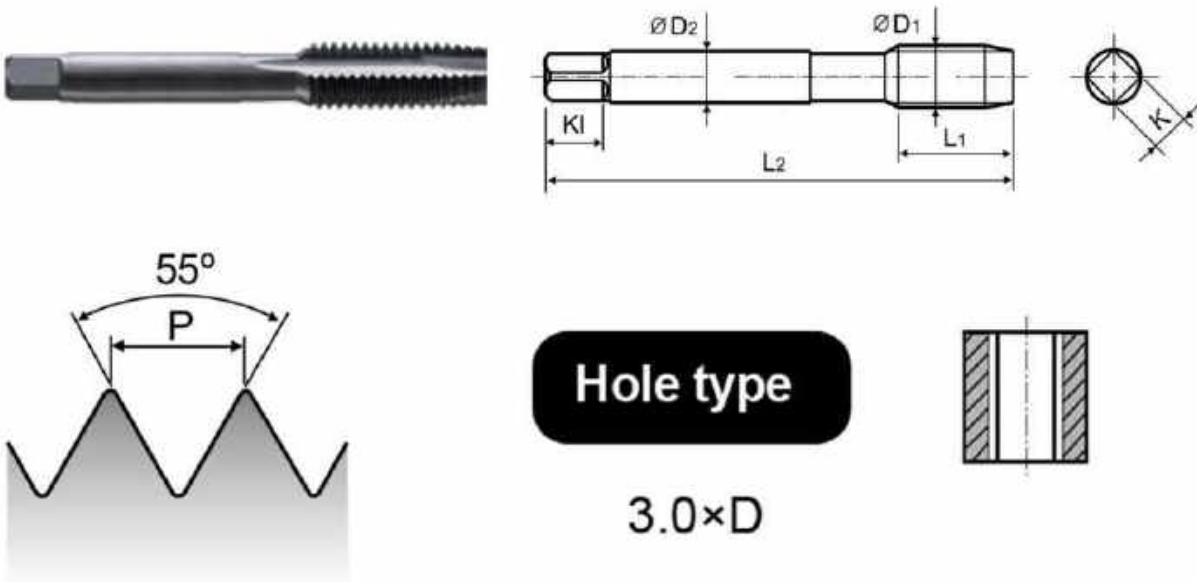


3.0×D



Unit : mm

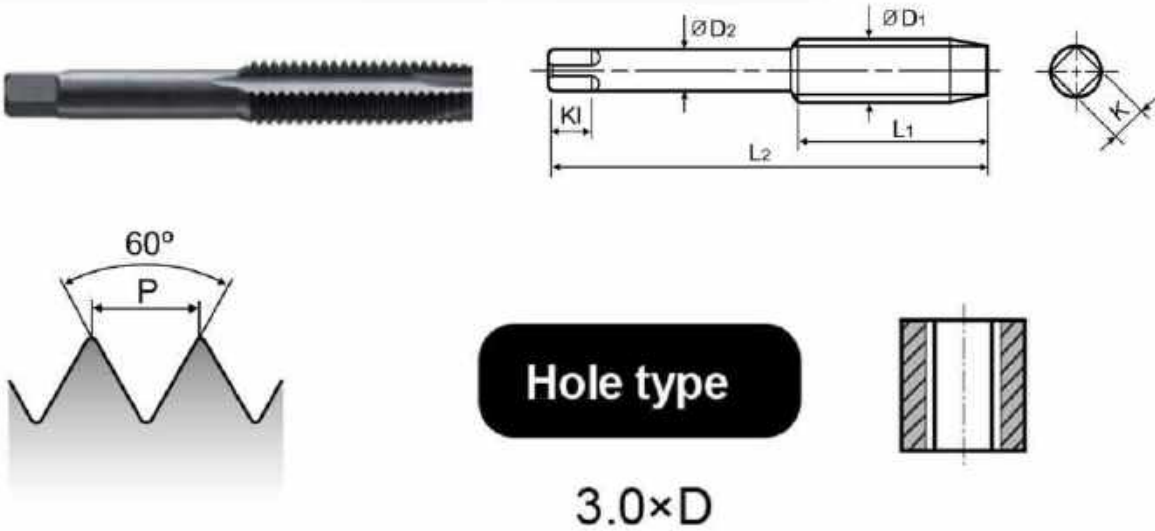
SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
3/8 - 16 UNC		JIS II	75	24	7	5.5	8	3
3/8 - 24 UNF		JIS II	75	24	7	5.5	8	3
7/16 - 14 UNC		JIS II	80	25	8	6	9	3
7/16 - 20 UNF		JIS II	80	25	8	6	9	3
1/2 - 13 UNC		JIS II	85	29	9	7	10	3
1/2 - 20 UNF		JIS II	85	29	9	7	10	3
9/16 - 12 UNC		JIS II	90	30	10.5	8	11	3
9/16 - 18 UNF		JIS II	90	30	10.5	8	11	3
5/8 - 11 UNC		JIS II	95	32	12	9	12	3
5/8 - 18 UNF		JIS II	95	32	12	9	12	3
3/4 - 10 UNC		JIS II	105	37	14	11	14	3
3/4 - 16 UNF		JIS II	105	37	14	11	14	3
7/8 - 9 UNC		JIS II	115	38	17	13	16	3
7/8 - 14 UNF		JIS II	115	38	17	13	16	3
1" - 8 UNC		JIS II	125	45	20	15	18	3
1" - 12 UNF		JIS II	125	45	20	15	18	3



Unit : mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
W1/8	- 40	JIS II	46	11	4	3.2	6	3
W3/16	- 24	JIS II	60	16	5.5	4.5	7	3
W1/4	- 20	JIS II	62	19	6	4.5	7	3
W5/16	- 18	JIS II	70	22	6.1	5	8	3
W3/8	- 16	JIS II	75	24	7	5.5	8	3
W7/16	- 14	JIS II	80	25	8	6	9	3
W1/2	- 12	JIS II	85	29	9	7	10	3
W9/16	- 12	JIS II	90	30	10.5	8	11	3
W5/8	- 11	JIS II	95	32	12	9	12	3
W3/4	- 10	JIS II	105	37	14	11	14	3
W7/8	- 9	JIS II	115	38	17	13	16	3
W1"	- 8	JIS II	125	45	20	15	18	3

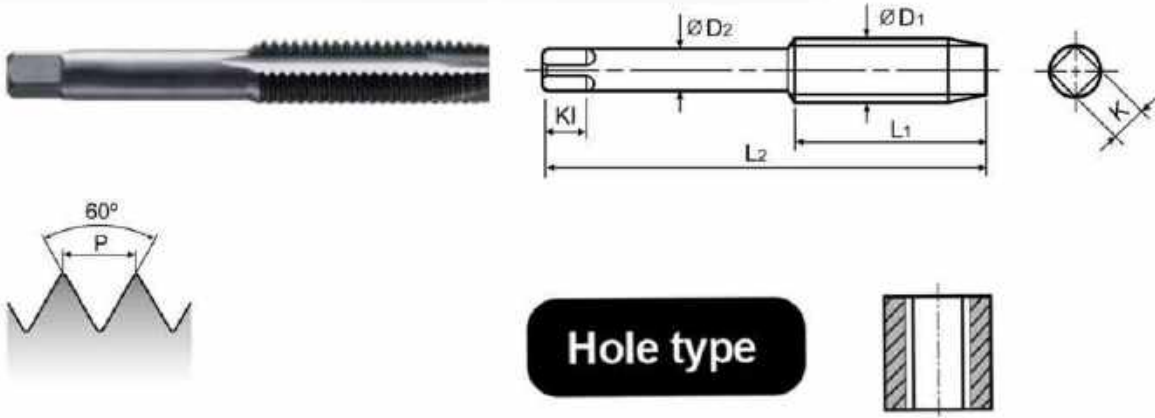
HSS



Unit : mm

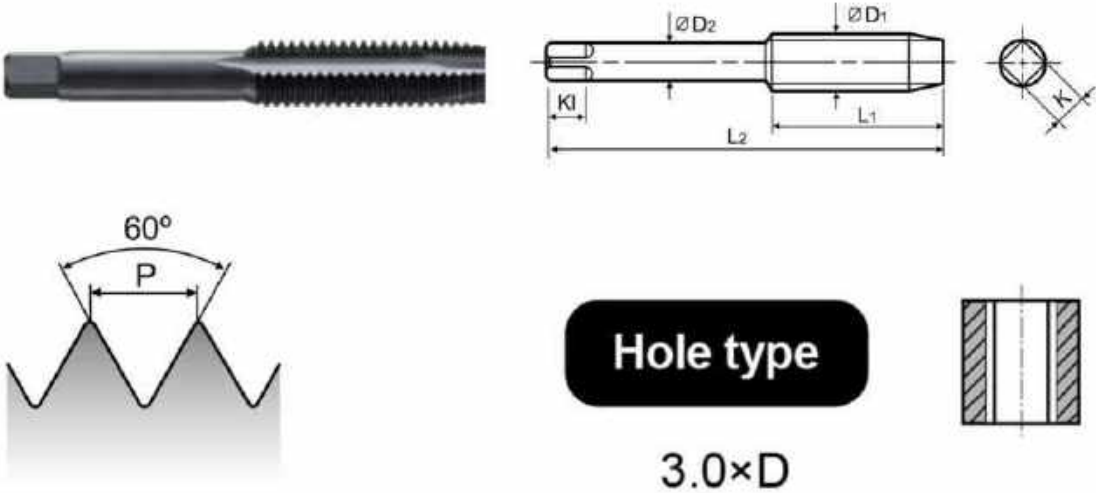
SIZE		Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1		P		L2	L1	ØD2	K	KI	
M2	×	0.4	YH2	40	15	3	2.5	5	2
M2.2	×	0.45	YH2	42	15	3	2.5	5	2
M2.3	×	0.4	YH2	42	15	3	2.5	5	2
M2.5	×	0.45	YH2	44	16	3	2.5	5	2
M2.6	×	0.45	YH2	44	16	3	2.5	5	2
M3	×	0.5	YH2	46	18	4	3.2	6	3
M3	×	0.35	YH2	46	10	4	3.2	6	3
M3.5	×	0.6	YH2	48	18	4	3.2	6	3
M3.5	×	0.35	YH2	48	10	4	3.2	6	3
M4	×	0.7	YH2	52	20	5	4	7	3
M4	×	0.5	YH2	52	15	5	4	7	3
M4.5	×	0.75	YH2	55	20	5	4	7	3
M4.5	×	0.5	YH2	55	15	5	4	7	3
M5	×	0.8	YH2	60	22	5.5	4.5	7	3
M5	×	0.5	YH2	52	15	5.5	4.5	7	3
M5.5	×	0.5	YH2	52	15	5.5	4.5	7	3
M6	×	1	YH2	62	24	6	4.5	7	3
M6	×	0.75	YH2	62	20	6	4.5	7	3
M6	×	0.5	YH2	55	15	6	4.5	7	3
M7	×	1	YH2	65	26	6.2	5	8	3
M7	×	0.75	YH2	62	20	6.2	5	8	3
M8	×	1.25	YH3	70	30	6.2	5	8	3

HSS



Unit: mm

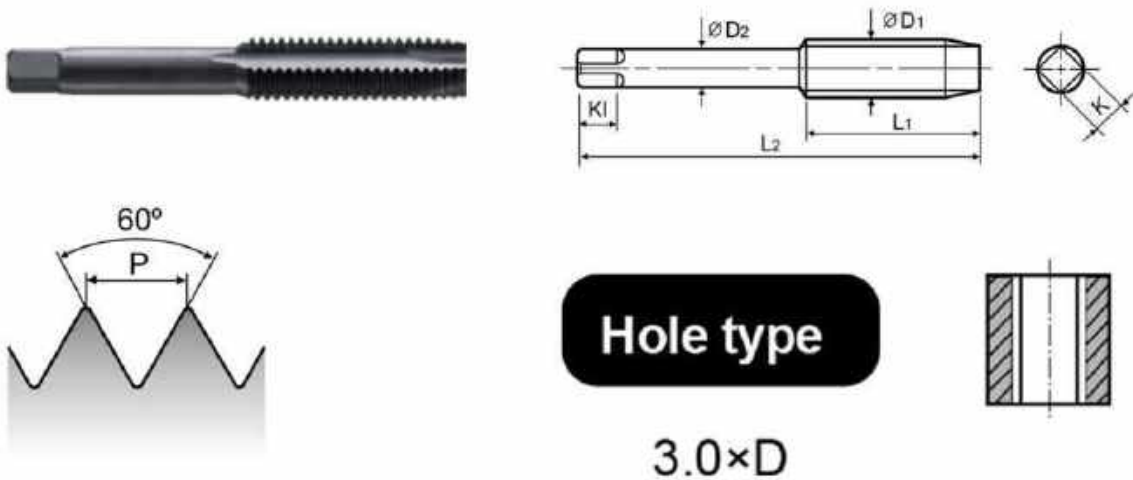
SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M8	× 1	YH3	70	30	6.2	5	8	3
M8	× 0.75	YH3	65	26	6.2	5	8	3
M9	× 1.25	YH3	72	30	7	5.5	8	3
M9	× 1	YH3	70	30	7	5.5	8	3
M9	× 0.75	YH3	65	26	7	5.5	8	3
M10	× 1.5	YH3	75	32	7	5.5	8	3
M10	× 1.25	YH3	75	32	7	5.5	8	3
M10	× 1	YH3	70	30	7	5.5	8	3
M10	× 0.75	YH3	65	26	7	5.5	8	3
M11	× 1.5	YH3	80	38	8	6	9	3
M11	× 1	YH4	70	30	8	6	9	3
M11	× 0.75	YH3	65	26	8	6	9	3
M12	× 1.75	YH4	82	38	8.5	6.5	9	3
M12	× 1.5	YH3	82	38	8.5	6.5	9	3
M12	× 1.25	YH3	80	38	8.5	6.5	9	3
M12	× 1	YH3	70	30	8.5	6.5	9	3
M14	× 2	YH4	88	42	10.5	8	11	3
M14	× 1.5	YH3	88	42	10.5	8	11	3
M14	× 1.25	YH3	80	38	10.5	8	11	3
M14	× 1	YH3	70	30	10.5	8	11	3
M15	× 1.5	YH3	90	42	10.5	8	11	3
M15	× 1	YH3	70	30	10.5	8	11	3



Unit : mm

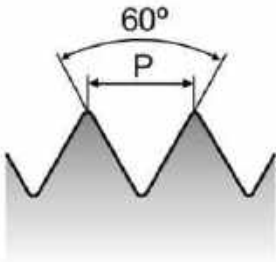
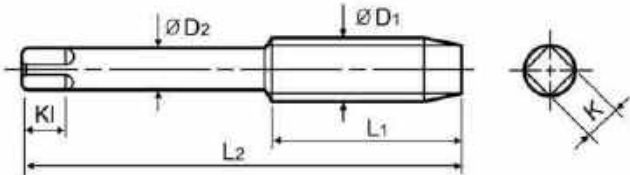
SIZE		Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1		P		L2	L1	ØD2	K	KI	
M16	×	2	YH4	95	45	12.5	10	13	3
M16	×	1.5	YH3	95	45	12.5	10	13	3
M16	×	1	YH3	75	30	12.5	10	13	3
M18	×	2.5	YH4	100	48	14	11	14	3
M18	×	2	YH4	95	45	14	11	14	3
M18	×	1.5	YH4	95	45	14	11	14	3
M18	×	1	YH3	80	30	14	11	14	3
M20	×	2.5	YH4	105	50	15	12	15	3
M20	×	2	YH4	95	45	15	12	15	3
M20	×	1.5	YH4	95	45	15	12	15	3
M20	×	1	YH3	80	30	15	12	15	3
M22	×	2.5	YH4	115	55	17	13	16	3
M22	×	2	YH4	95	45	17	13	16	3
M22	×	1.5	YH4	95	45	17	13	16	3
M22	×	1	YH3	85	30	17	13	16	3
M24	×	3	YH4	120	58	19	15	18	3
M24	×	2	YH4	95	45	19	15	18	3
M24	×	1.5	YH4	95	45	19	15	18	3
M24	×	1	YH3	90	30	19	15	18	3
M25	×	2	YH4	95	45	19	15	18	3
M25	×	1.5	YH4	95	45	19	15	18	3
M26	×	2	YH4	95	45	20	15	18	4

HSS

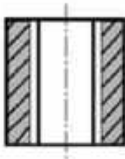


Unit: mm

SIZE		Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1		P		L2	L1	ØD2	K	KI	
M26	×	1.5	YH4	95	45	20	15	18	4
M26	×	1	YH3	95	30	20	15	18	4
M27	×	3	YH4	130	62	20	15	18	4
M27	×	2	YH4	95	45	20	15	18	4
M27	×	1.5	YH4	95	45	20	15	18	4
M28	×	2	YH4	105	45	21	17	20	4
M28	×	1.5	YH4	105	45	21	17	20	4
M30	×	3.5	YH5	135	65	23	17	20	4
M30	×	3	YH4	135	65	23	17	20	4
M30	×	2	YH4	105	45	23	17	20	4
M30	×	1.5	YH4	105	45	23	17	20	4
M30	×	1	YH2	105	30	23	17	20	4
M33	×	3.5	YH5	145	70	25	19	22	4
M33	×	3	YH4	145	70	25	19	22	4
M33	×	2	YH3	110	45	25	19	22	4
M33	×	1.5	YH4	110	45	25	19	22	4
M36	×	4	YH5	155	75	28	21	24	4
M36	×	3	YH4	155	75	28	21	24	4
M36	×	2	YH3	110	45	28	21	24	4
M36	×	1.5	YH4	110	45	28	21	24	4



Hole type



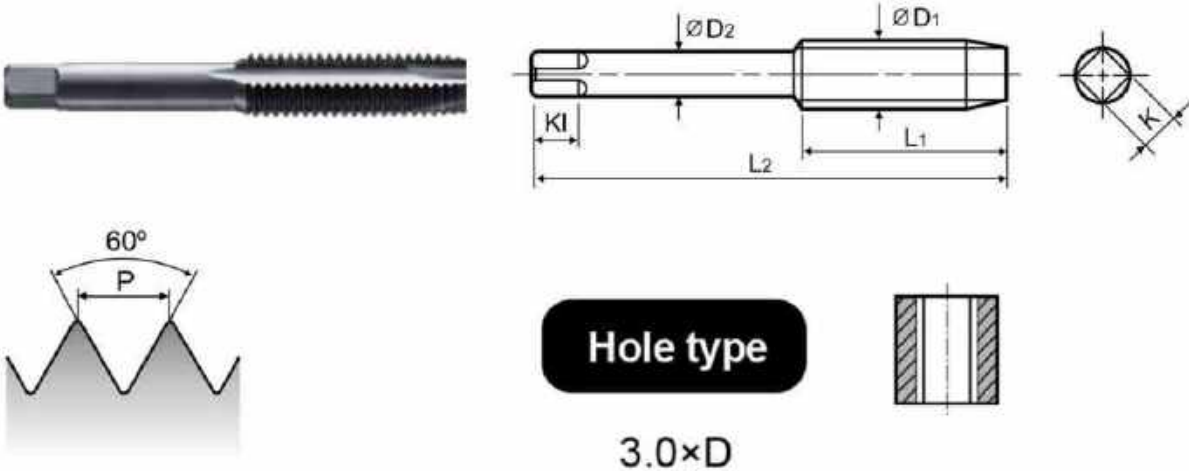
3.0×D



Unit : mm

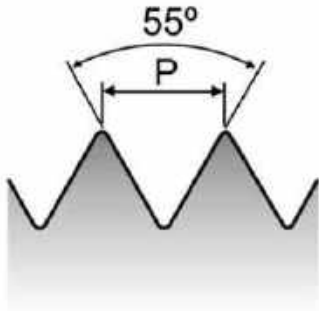
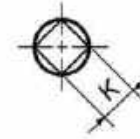
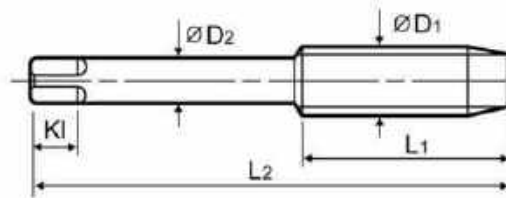
SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
#4 - 40 UNC		JIS II	44	16	3	2.5	5	3
#4 - 48 UNF		JIS II	44	16	3	2.5	5	3
#5 - 40 UNC		JIS II	46	18	4	3.2	6	3
#5 - 44 UNF		JIS II	46	18	4	3.2	6	3
#6 - 32 UNC		JIS II	48	18	4	3.2	6	3
#6 - 40 UNF		JIS II	48	18	4	3.2	6	3
#8 - 32 UNC		JIS II	52	20	5	4	7	3
#8 - 36 UNF		JIS II	52	20	5	4	7	3
#10 - 24 UNC		JIS II	60	22	5.5	4.5	7	3
#10 - 32 UNF		JIS II	60	22	5.5	4.5	7	3
#12 - 24 UNC		JIS II	60	22	5.5	4.5	7	3
#12 - 28 UNF		JIS II	60	22	5.5	4.5	7	3
1/4 - 20 UNC		JIS II	62	24	6	4.5	7	3
1/4 - 28 UNF		JIS II	62	24	6	4.5	7	3
5/16 - 18 UNC		JIS II	70	30	6.1	5	8	3
5/16 - 24 UNF		JIS II	70	30	6.1	5	8	3

HSS



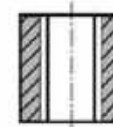
Unit : mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
3/8 - 16 UNC		JIS II	75	35	7	5.5	8	3
3/8 - 24 UNF		JIS II	75	32	7	5.5	8	3
7/16 - 14 UNC		JIS II	80	38	8	6	9	3
7/16 - 20 UNF		JIS II	80	38	8	6	9	3
1/2 - 13 UNC		JIS II	85	42	9	7	10	3
1/2 - 20 UNF		JIS II	85	42	9	7	10	3
9/16 - 12 UNC		JIS II	90	42	10.5	8	11	3
9/16 - 18 UNF		JIS II	90	42	10.5	8	11	3
5/8 - 11 UNC		JIS II	95	45	12	9	12	3
5/8 - 18 UNF		JIS II	95	45	12	9	12	3
3/4 - 10 UNC		JIS II	105	50	14	11	14	3
3/4 - 16 UNF		JIS II	95	45	14	11	14	3
7/8 - 9 UNC		JIS II	115	55	17	13	16	3
7/8 - 14 UNF		JIS II	95	45	17	13	16	3
1" - 8 UNC		JIS II	125	60	20	15	18	3
1" - 12 UNF		JIS II	95	45	20	15	18	3



Hole type

3.0×D



HSS-E

J

JIS II

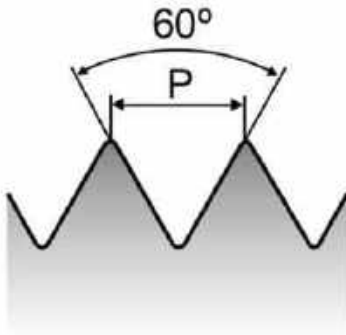
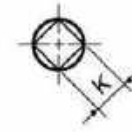
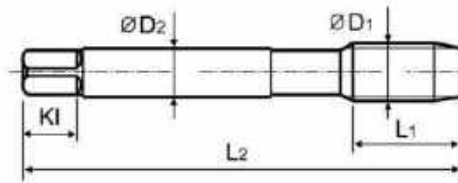


Homo



Unit : mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	KI	
W1/8	- 40	JIS II	46	18	4	3.2	6	3
W3/16	- 24	JIS II	60	22	5.5	4.5	7	3
W1/4	- 20	JIS II	62	24	6	4.5	7	3
W5/16	- 18	JIS II	70	30	6.1	5	8	3
W3/8	- 16	JIS II	75	35	7	5.5	8	3
W7/16	- 14	JIS II	80	38	8	6	9	3
W1/2	- 12	JIS II	85	42	9	7	10	3
W9/16	- 12	JIS II	90	42	10.5	8	11	3
W5/8	- 11	JIS II	95	45	12	9	12	3
W3/4	- 10	JIS II	105	50	14	11	14	3
W7/8	- 9	JIS II	115	55	17	13	16	3
W1"	- 8	JIS II	125	60	20	15	18	3



Long Shank

Hole type



3.0×D

HSS-E

LONG

YH



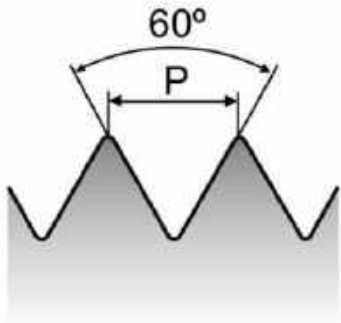
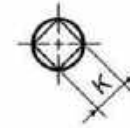
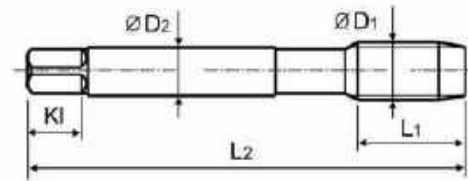
Homo



► 100mm

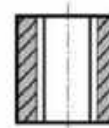
Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M3	× 0.5	YH2	100	11	4	3.2	6	3
M4	× 0.7	YH2	100	13	5	4	7	3
M5	× 0.8	YH2	100	16	5.5	4.5	7	3
M6	× 1	YH2	100	19	6	4.5	7	3
M8	× 1.25	YH3	100	22	6.2	5	8	3
M10	× 1.5	YH3	100	24	7	5.5	8	3
M10	× 1.25	YH3	100	24	7	5.5	8	3
M12	× 1.75	YH4	100	29	8.5	6.5	9	3
M12	× 1.5	YH3	100	29	8.5	6.5	9	3
M12	× 1.25	YH3	100	29	8.5	6.5	9	3
M14	× 2	YH4	100	30	10.5	8	11	3
M14	× 1.5	YH3	100	30	10.5	8	11	3



Long Shank

Hole type



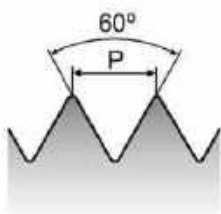
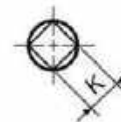
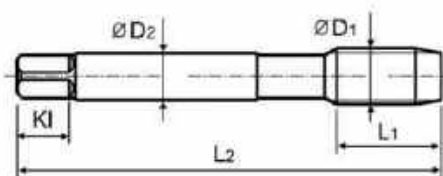
3.0×D



► **120mm**

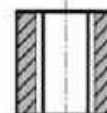
Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M3	× 0.5	YH2	120	11	4	3.2	6	3
M4	× 0.7	YH2	120	13	5	4	7	3
M5	× 0.8	YH2	120	16	5.5	4.5	7	3
M6	× 1	YH2	120	19	6	4.5	7	3
M8	× 1.25	YH3	120	22	6.2	5	8	3
M10	× 1.5	YH3	120	24	7	5.5	8	3
M10	× 1.25	YH3	120	24	7	5.5	8	3
M12	× 1.75	YH4	120	29	8.5	6.5	9	3
M12	× 1.5	YH3	120	29	8.5	6.5	9	3
M12	× 1.25	YH3	120	29	8.5	6.5	9	3
M14	× 2	YH4	120	30	10.5	8	11	3
M14	× 1.5	YH3	120	30	10.5	8	11	3
M16	× 2	YH4	120	32	12.5	10	13	3
M16	× 1.5	YH3	120	32	12.5	10	13	3



Long Shank

Hole type



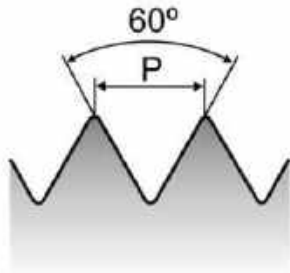
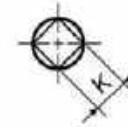
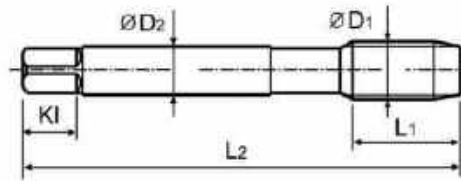
3.0×D



► 150mm

Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M3	× 0.5	YH2	150	11	4	3.2	6	3
M4	× 0.7	YH2	150	13	5	4	7	3
M5	× 0.8	YH2	150	16	5.5	4.5	7	3
M6	× 1	YH2	150	19	6	4.5	7	3
M8	× 1.25	YH3	150	22	6.2	5	8	3
M10	× 1.5	YH3	150	24	7	5.5	8	3
M10	× 1.25	YH3	150	24	7	5.5	8	3
M12	× 1.75	YH4	150	29	8.5	6.5	9	3
M12	× 1.5	YH3	150	29	8.5	6.5	9	3
M12	× 1.25	YH3	150	29	8.5	6.5	9	3
M14	× 2	YH4	150	30	10.5	8	11	3
M14	× 1.5	YH3	150	30	10.5	8	11	3
M16	× 2	YH4	150	32	12.5	10	13	3
M16	× 1.5	YH3	150	32	12.5	10	13	3
M18	× 2.5	YH4	150	37	14	11	14	3
M18	× 1.5	YH4	150	37	14	11	14	3
M20	× 2.5	YH4	150	37	15	12	15	3
M20	× 1.5	YH4	150	37	15	12	15	3
M22	× 2.5	YH4	150	38	17	13	16	3
M22	× 1.5	YH4	150	38	17	13	16	3
M24	× 3	YH4	150	45	19	15	18	3
M24	× 1.5	YH4	150	45	19	15	18	3



Long Shank

Hole type



3.0×ØD

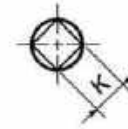
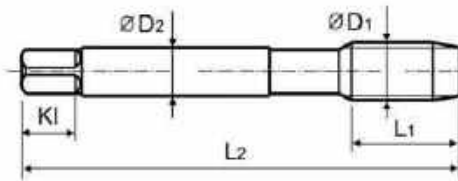


► 200mm

Unit : mm

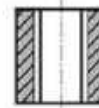
SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M8	× 1.25	YH3	200	22	6.2	5	8	3
M10	× 1.5	YH3	200	24	7	5.5	8	3
M10	× 1.25	YH3	200	24	7	5.5	8	3
M12	× 1.75	YH4	200	29	8.5	6.5	9	3
M12	× 1.5	YH3	200	29	8.5	6.5	9	3
M12	× 1.25	YH3	200	29	8.5	6.5	9	3
M14	× 2	YH4	200	30	10.5	8	11	3
M14	× 1.5	YH3	200	30	10.5	8	11	3
M16	× 2	YH4	200	32	12.5	10	13	3
M16	× 1.5	YH3	200	32	12.5	10	13	3
M18	× 2.5	YH4	200	37	14	11	14	3
M18	× 1.5	YH4	200	37	14	11	14	3
M20	× 2.5	YH4	200	37	15	12	15	3
M20	× 1.5	YH4	200	37	15	12	15	3
M22	× 2.5	YH4	200	38	17	13	16	3
M22	× 1.5	YH4	200	38	17	13	16	3
M24	× 3	YH4	200	45	19	15	18	3
M24	× 1.5	YH4	200	45	19	15	18	3

HSS



Long Shank

Hole type



3.0×D



► 100mm

Unit : mm

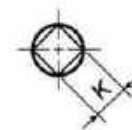
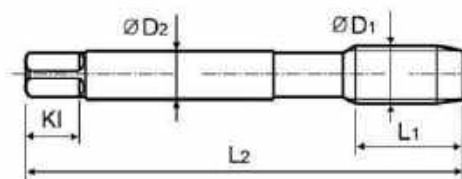
SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	K1	
W1/8	- 40	JIS II	100	11	4	3.2	6	3
W3/16	- 24	JIS II	100	16	5.5	4.5	7	3
W1/4	- 20	JIS II	100	19	6	4.5	7	3
W5/16	- 18	JIS II	100	22	6.1	5	8	3
W3/8	- 16	JIS II	100	24	7	5.5	8	3
W7/16	- 14	JIS II	100	25	8	6	9	3
W1/2	- 12	JIS II	100	29	9	7	10	3

► 120mm

Unit : mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	K1	
W1/8	- 40	JIS II	120	11	4	3.2	6	3
W3/16	- 24	JIS II	120	16	5.5	4.5	7	3
W1/4	- 20	JIS II	120	19	6	4.5	7	3
W5/16	- 18	JIS II	120	22	6.1	5	8	3
W3/8	- 16	JIS II	120	24	7	5.5	8	3
W7/16	- 14	JIS II	120	25	8	6	9	3
W1/2	- 12	JIS II	120	29	9	7	10	3
W9/16	- 12	JIS II	120	30	10.5	8	11	3
W5/8	- 11	JIS II	120	32	12	9	12	3

HSS

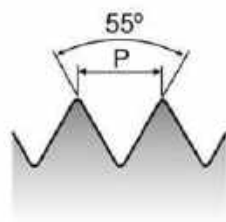


Long Shank

Hole type



3.0×D



► 150mm

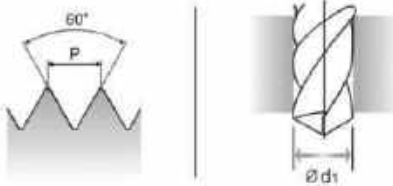
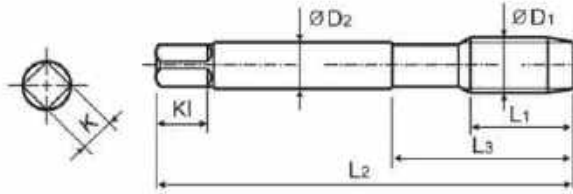
Unit : mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	K1	
W1/8	- 40	JIS II	150	11	4	3.2	6	3
W3/16	- 24	JIS II	150	16	5.5	4.5	7	3
W1/4	- 20	JIS II	150	19	6	4.5	7	3
W5/16	- 18	JIS II	150	22	6.1	5	8	3
W3/8	- 16	JIS II	150	24	7	5.5	8	3
W7/16	- 14	JIS II	150	25	8	6	9	3
W1/2	- 12	JIS II	150	29	9	7	10	3
W9/16	- 12	JIS II	150	30	10.5	8	11	3
W5/8	- 11	JIS II	150	32	12	9	12	3
W3/4	- 10	JIS II	150	37	14	11	14	3
W7/8	- 9	JIS II	150	38	17	13	16	3
W1"	- 8	JIS II	150	45	20	15	18	3

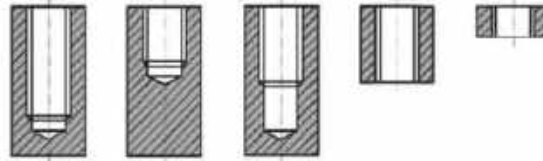
► 200mm

Unit : mm

SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	K1	
W3/8	- 16	JIS II	200	24	7	5.5	8	3
W7/16	- 14	JIS II	200	25	8	6	9	3
W1/2	- 12	JIS II	200	29	9	7	10	3
W9/16	- 12	JIS II	200	30	10.5	8	11	3
W5/8	- 11	JIS II	200	32	12	9	12	3
W3/4	- 10	JIS II	200	37	14	11	14	3
W7/8	- 9	JIS II	200	38	17	13	16	3
W1"	- 8	JIS II	200	45	20	15	18	3

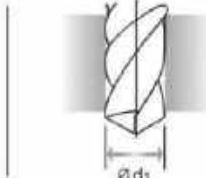
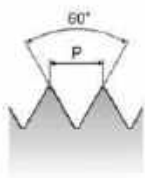
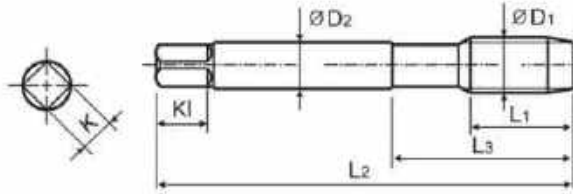


Hole type
3.0×D

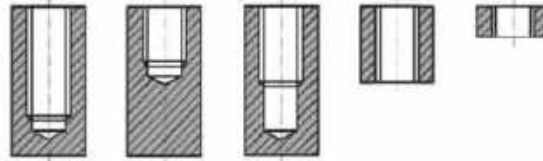


Unit : mm

SIZE	Pitch	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD1	P	L1	L2	L3	ØD2	K	KI	Ød1
M2 × 0.4		8	45	13	2.8	2.1	5	1.83
M2.2 × 0.45		8	45	13	2.8	2.1	5	2
*M2.3 × 0.4		8	45	13	2.8	2.1	5	2.1
M2.5 × 0.45		9	50	15	2.8	2.1	5	2.3
*M2.6 × 0.45		9	50	15	2.8	2.1	5	2.4
M3 × 0.5		11	56	18	3.5	2.7	6	2.8
M3.5 × 0.6		12	56	20	4	3	6	3.25
M4 × 0.7		13	63	21	4.5	3.4	6	3.7
M4.5 × 0.75		14	70	25	6	4.9	8	4.15
M5 × 0.8		15	70	25	6	4.9	8	4.65
M6 × 1		17	80	30	6	4.9	8	5.55
M7 × 1		17	80	30	7	5.5	8	6.55
M8 × 1.25		20	90	35	8	6.2	9	7.4
M9 × 1.25		20	90	35	9	7	10	8.4
M10 × 1.5		22	100	39	10	8	11	9.3
M11 × 1.5		22	100	40	8	6.2	9	10.3
M12 × 1.75		24	110	44	9	7	10	11.2
M14 × 2		26	110	44	11	9	12	13
M16 × 2		27	110	44	12	9	12	15
M18 × 2.5		30	125	50	14	11	14	16.8
M20 × 2.5		32	140	54	16	12	15	18.8



Hole type
3.0×D



HSS-E

DIN
371/376

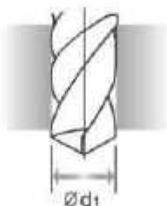
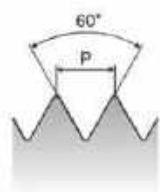
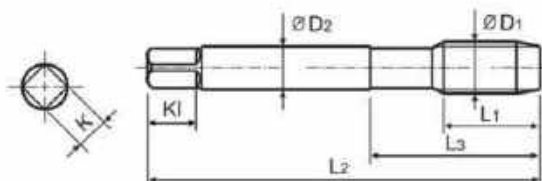
6HX



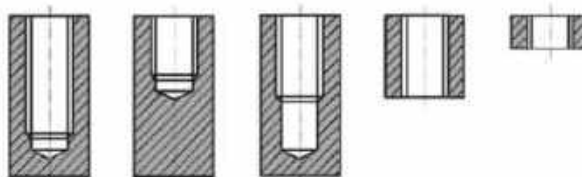
NI

Unit : mm

SIZE	Pitch	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD1	P	L1	L2	L3	ØD2	K	KI	Ød1
M2	× 0.4	8	45	13	2.8	2.1	5	1.83
M2.2	× 0.45	8	45	13	2.8	2.1	5	2
*M2.3	× 0.4	8	45	13	2.8	2.1	5	2.1
M2.5	× 0.45	9	50	15	2.8	2.1	5	2.3
*M2.6	× 0.45	9	50	15	2.8	2.1	5	2.4
M3	× 0.5	11	56	18	3.5	2.7	6	2.8
M3.5	× 0.6	12	56	20	4	3	6	3.25
M4	× 0.7	13	63	21	4.5	3.4	6	3.7
M4.5	× 0.75	14	70	25	6	4.9	8	4.15
M5	× 0.8	15	70	25	6	4.9	8	4.65
M6	× 1	17	80	30	6	4.9	8	5.55
M7	× 1	17	80	30	7	5.5	8	6.55
M8	× 1.25	20	90	35	8	6.2	9	7.4
M9	× 1.25	20	90	35	9	7	10	8.4
M10	× 1.5	22	100	39	10	8	11	9.3
M11	× 1.5	22	100	40	8	6.2	9	10.3
M12	× 1.75	24	110	44	9	7	10	11.2
M14	× 2	26	110	44	11	9	12	13
M16	× 2	27	110	44	12	9	12	15
M18	× 2.5	30	125	50	14	11	14	16.8
M20	× 2.5	32	140	54	16	12	15	18.8

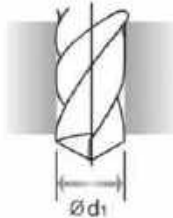
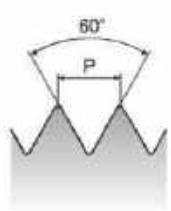
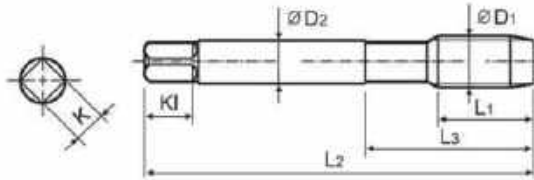


Hole type
3.0×D

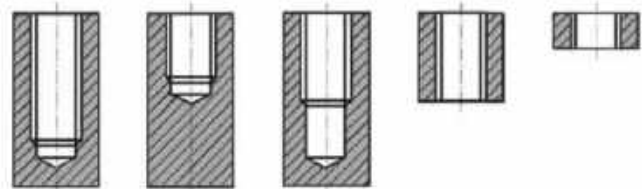


Unit : mm

SIZE ØD1	Pitch P	Thread Length L1	Overall Length L2	Neck Length L3	Shank Diameter ØD2	Square Size K	Square Length KI	Tapping Drill Diameter Ød1
M2	× 0.4	8	45	13	2.8	2.1	5	1.83
M2.2	× 0.45	8	45	13	2.8	2.1	5	2
*M2.3	× 0.4	8	45	13	2.8	2.1	5	2.1
M2.5	× 0.45	9	50	15	2.8	2.1	5	2.3
*M2.6	× 0.45	9	50	15	2.8	2.1	5	2.4
M3	× 0.5	11	56	18	3.5	2.7	6	2.8
M3.5	× 0.6	12	56	20	4	3	6	3.25
M4	× 0.7	13	63	21	4.5	3.4	6	3.7
M4.5	× 0.75	14	70	25	6	4.9	8	4.15
M5	× 0.8	15	70	25	6	4.9	8	4.65
M6	× 1	17	80	30	6	4.9	8	5.55
M7	× 1	17	80	30	7	5.5	8	6.55
M8	× 1.25	20	90	35	8	6.2	9	7.4
M9	× 1.25	20	90	35	9	7	10	8.4
M10	× 1.5	22	100	39	10	8	11	9.3
M11	× 1.5	22	100	40	8	6.2	9	10.3
M12	× 1.75	24	110	44	9	7	10	11.2
M14	× 2	26	110	44	11	9	12	13
M16	× 2	27	110	44	12	9	12	15
M18	× 2.5	30	125	50	14	11	14	16.8
M20	× 2.5	32	140	54	16	12	15	18.8



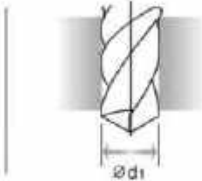
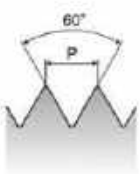
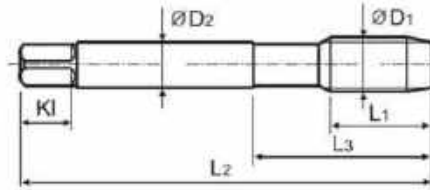
Hole type
3.0×D



Unit : mm

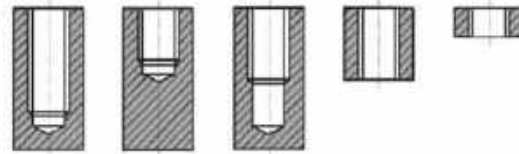
SIZE ØD1	Pitch P	Thread Length L1	Overall Length L2	Neck Length L3	Shank Diameter ØD2	Square Size K	Square Length K1	Tapping Drill Diameter Ød1
M2 × 0.4		8	45	13	2.8	2.1	5	1.83
M2.2 × 0.45		8	45	13	2.8	2.1	5	2
*M2.3 × 0.4		8	45	13	2.8	2.1	5	2.1
M2.5 × 0.45		9	50	15	2.8	2.1	5	2.3
*M2.6 × 0.45		9	50	15	2.8	2.1	5	2.4
M3 × 0.5		11	56	18	3.5	2.7	6	2.8
M3.5 × 0.6		12	56	20	4	3	6	3.25
M4 × 0.7		13	63	21	4.5	3.4	6	3.7
M4.5 × 0.75		14	70	25	6	4.9	8	4.15
M5 × 0.8		15	70	25	6	4.9	8	4.65
M6 × 1		17	80	30	6	4.9	8	5.55
M7 × 1		17	80	30	7	5.5	8	6.55
M8 × 1.25		20	90	35	8	6.2	9	7.4
M9 × 1.25		20	90	35	9	7	10	8.4
M10 × 1.5		22	100	39	10	8	11	9.3
M11 × 1.5		22	100	40	8	6.2	9	10.3
M12 × 1.75		24	110	44	9	7	10	11.2
M14 × 2		26	110	44	11	9	12	13
M16 × 2		27	110	44	12	9	12	15
M18 × 2.5		30	125	50	14	11	14	16.8
M20 × 2.5		32	140	54	16	12	15	18.8

DIN 374



Hole type

3.0×D



HSS-E

DIN 374

6HX

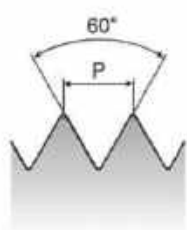
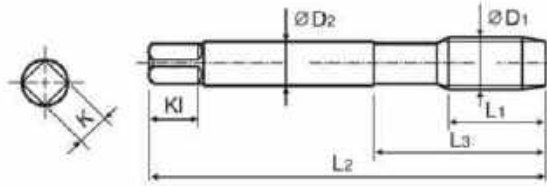


TiN

Unit : mm

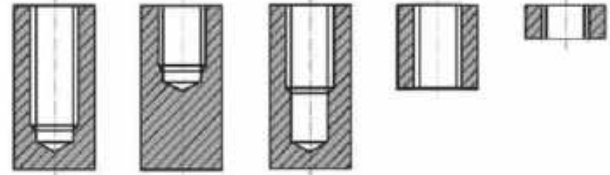
SIZE	Pitch	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD1	P	L1	L2	L3	ØD2	K	KI	Ød1
M4	× 0.5	10	63	21	2.8	2.1	5	3.75
M5	× 0.5	11	70	25	3.5	2.7	6	4.75
M6	× 0.75	13	80	30	4.5	3.4	6	5.65
M6	× 0.5	13	80	30	4.5	3.4	6	5.75
M7	× 0.75	14	80	30	5.5	4.3	7	6.65
M8	× 1	17	90	36	6	4.9	8	7.5
M8	× 0.75	14	80	30	6	4.9	8	7.65
M10	× 1.25	22	100	40	7	5.5	8	9.4
M10	× 1	18	90	36	7	5.5	8	9.5
M10	× 0.75	18	90	36	7	5.5	8	9.65
M12	× 1.5	22	100	40	9	7	10	11.25
M12	× 1.25	22	100	40	9	7	10	11.4
M12	× 1	18	100	40	9	7	10	11.5
M14	× 1.5	22	100	40	11	9	12	13.25
M14	× 1.25	22	100	40	11	9	12	13.4
M16	× 1.5	22	100	40	12	9	12	15.25
M18	× 1.5	25	110	44	14	11	14	17.25
M20	× 1.5	25	125	50	16	12	15	19.25

DIN 374



Hole type

3.0×D



HSS-E

DIN
374

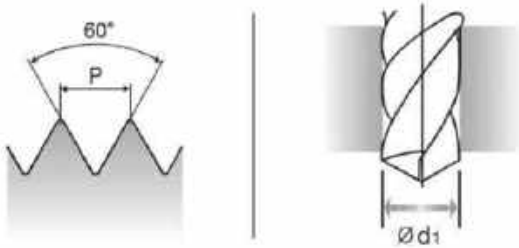
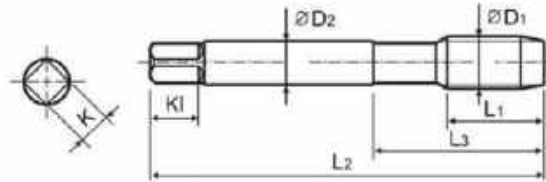
6HX



NI

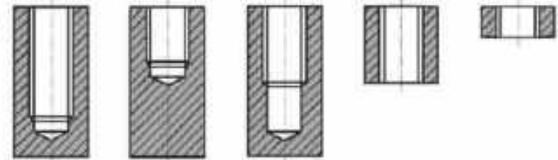
Unit : mm

SIZE	Pitch	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD1	P	L1	L2	L3	ØD2	K	K1	Ød1
M4	× 0.5	10	63	21	2.8	2.1	5	3.75
M5	× 0.5	11	70	25	3.5	2.7	6	4.75
M6	× 0.75	13	80	30	4.5	3.4	6	5.65
M6	× 0.5	13	80	30	4.5	3.4	6	5.75
M7	× 0.75	14	80	30	5.5	4.3	7	6.65
M8	× 1	17	90	36	6	4.9	8	7.5
M8	× 0.75	14	80	30	6	4.9	8	7.65
M10	× 1.25	22	100	40	7	5.5	8	9.4
M10	× 1	18	90	36	7	5.5	8	9.5
M10	× 0.75	18	90	36	7	5.5	8	9.65
M12	× 1.5	22	100	40	9	7	10	11.25
M12	× 1.25	22	100	40	9	7	10	11.4
M12	× 1	18	100	40	9	7	10	11.5
M14	× 1.5	22	100	40	11	9	12	13.25
M14	× 1.25	22	100	40	11	9	12	13.4
M16	× 1.5	22	100	40	12	9	12	15.25
M18	× 1.5	25	110	44	14	11	14	17.25
M20	× 1.5	25	125	50	16	12	15	19.25



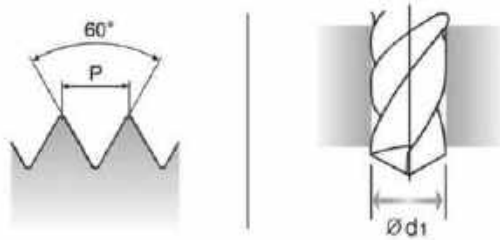
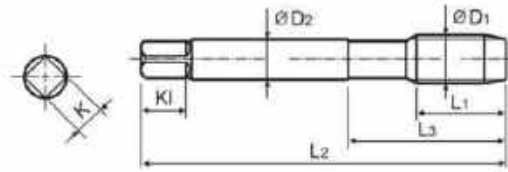
Hole type

3.0×D



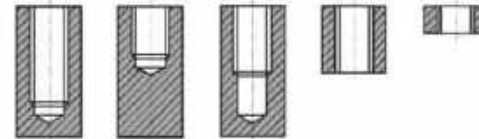
Unit : mm

SIZE	TPI	Thread Length	Overall Length	Neck Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD1		L1	L2	L3	ØD2	K	KI	Ød1
#5	- 40 UNC	11	56	18	3.5	2.7	6	2.87
#6	- 32 UNC	12	56	20	4	3	6	3.1
#8	- 32 UNC	13	63	21	4.5	3.4	6	3.8
#10	- 24 UNC	15	70	25	6	4.9	8	4.3
#12	- 24 UNC	16	80	30	6	4.9	8	4.95
1/4	- 20 UNC	17	80	30	7	5.5	8	5.75
5/16	- 18 UNC	20	90	35	8	6.2	9	7.25
3/8	- 16 UNC	22	100	39	9	7	10	8.75
7/16	- 14 UNC	22	100	40	8	6.2	9	10.2
1/2	- 13 UNC	25	110	44	9	7	10	11.7
9/16	- 12 UNC	26	110	40	11	9	12	13.2
5/8	- 11 UNC	27	110	44	12	9	12	14.7
3/4	- 10 UNC	30	125	50	14	11	14	17.8



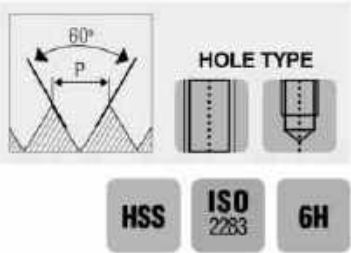
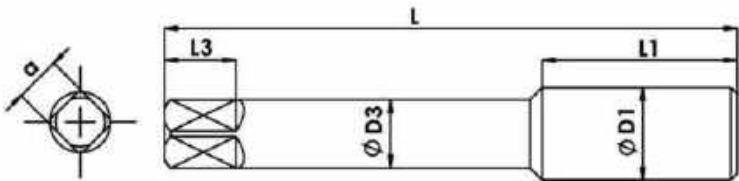
Hole type

3.0×D



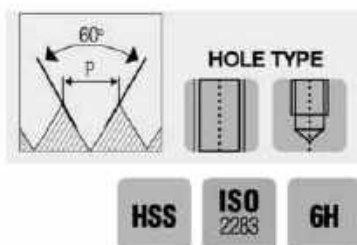
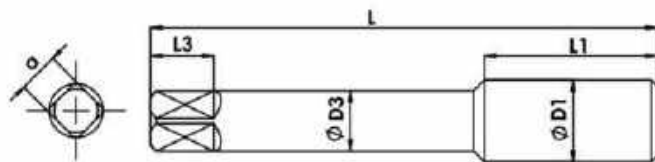
Unit : mm

SIZE ϕD_1	TPI	Thread Length L ₁	Overall Length L ₂	Neck Length L ₃	Shank Diameter ϕD_2	Square Size K	Square Length K ₁	Tapping Drill Diameter ϕd_1
#5 - 40 UNC		11	56	18	3.5	2.7	6	2.87
#6 - 32 UNC		12	56	20	4	3	6	3.1
#8 - 32 UNC		13	63	21	4.5	3.4	6	3.8
#10 - 24 UNC		15	70	25	6	4.9	8	4.3
#12 - 24 UNC		16	80	30	6	4.9	8	4.95
1/4 - 20 UNC		17	80	30	7	5.5	8	5.75
5/16 - 18 UNC		20	90	35	8	6.2	9	7.25
3/8 - 16 UNC		22	100	39	9	7	10	8.75
7/16 - 14 UNC		22	100	40	8	6.2	9	10.2
1/2 - 13 UNC		25	110	44	9	7	10	11.7
9/16 - 12 UNC		26	110	40	11	9	12	13.2
5/8 - 11 UNC		27	110	44	12	9	12	14.7
3/4 - 10 UNC		30	125	50	14	11	14	17.8



ISO 2283 / IS 6175 Part 4							Lead Chamfer
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD1	p	L	L1	ØD3	a	L3	Ød1
M 3	0.5	66	11	2.24	1.8	4	2.5
M 4	0.7	73	13	3.15	2.5	5	3.3
M 5	0.8	79	16	4	3.15	6	4.2
M 6	1	89	19	4.5	3.55	6	5
M 8	1.25	97	22	6.3	5	8	6.75
M 10	1.5	108	24	8	6.3	9	8.5
M 12	1.75	119	29	9	7.1	10	10.25
M 14	2	127	30	11.2	9	12	12.5
M 16	2	137	32	12.5	10	13	14
M 18	2.5	149	37	14	11.2	14	15.5
M 20	2.5	149	37	14	11.2	14	17.5

Unit : mm

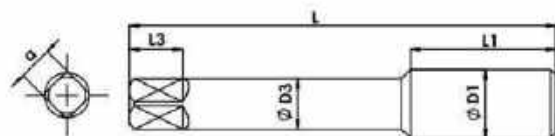


IS 6175 Part 4

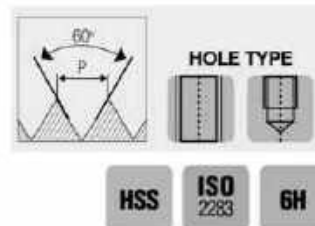


ISO 2283 / IS 6175 Part 4							Lead Chamfer
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD1	p	L	L1	ØD3	a	L3	Ød1
M 3	0.5	66	11	2.24	0.1	4	2.5
M 4	0.7	73	13	3.15	2.5	5	3.3
M 5	0.8	79	16	4	3.15	6	4.2
M 6	1	89	19	4.5	3.55	6	5
M 8	1.25	97	22	6.3	5	8	6.75
M 10	1.5	108	24	8	6.3	9	8.5
M 12	1.75	119	29	9	7	10	10.25
M 14	2	127	30	11.2	9	12	12
M 16	2	137	32	12.5	10	13	14
M 18	2.5	149	37	14	11.2	14	15.5
M 20	2.5	149	37	14	11.2	14	17.5

Unit : mm

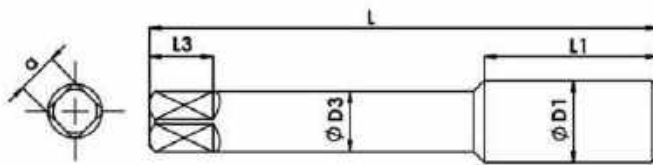


IS 6175 Part 4

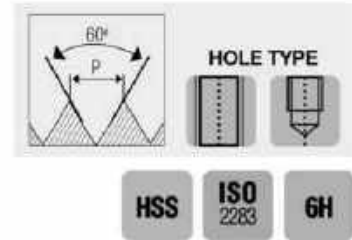


ISO 2283 / IS 6175 Part 4							Lead Chamfer
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD1	p	L	L1	ØD3	a	L3	Ød1
M 3	0.5	66	11	2.24	1.8	4	2.5
M 3.5	0.6	68	13	2.5	2	4	2.9
M 4	0.7	73	13	3.15	2.5	5	3.3
M 5	0.8	79	16	4	3.15	6	4.2
M 6	1	89	19	4.5	3.55	6	5
M 7	1	89	19	5.6	4.5	7	6
M 8	1	97	19	6.3	5	8	7
M 8	1.25	97	22	6.3	5	8	6.75
M 9	1.25	97	22	7.1	5.6	8	7.75
M 10	1	108	20	8	6.3	9	9
M 10	1.25	108	20	8	6.3	9	8.75
M 10	1.5	108	24	8	6.3	9	8.5
M 12	1.25	119	24	9	7.1	10	10.75
M 12	1.5	119	29	9	7.1	10	10.5

Unit : mm

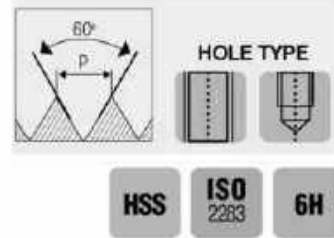
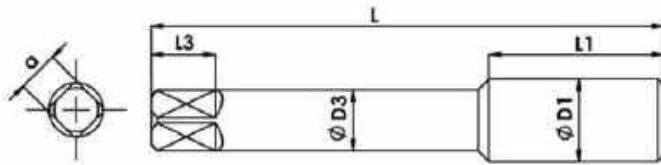


IS 6175 Part 4



ISO 2283 / IS 6175 Part 4							Lead Chamfer
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD1	p	L	L1	ØD3	a	L3	Ød1
M 12	1.75	119	29	9	7.1	10	10.25
M 14	1.25	127	25	11.2	9	12	12.75
M 14	1.5	127	30	11.2	9	12	12.5
M 14	2	127	30	11.2	9	12	12
M 16	1.5	137	32	12.5	10	13	14.5
M 16	2	137	32	12.5	10	13	14
M 18	1.5	149	29	14	11.2	14	16.5
M 18	2.5	149	37	14	11.2	14	15.5
M 20	1.5	149	29	14	11.2	14	18.5
M 20	2.5	149	37	14	11.2	14	17.5
M 22	2.5	158	38	16	12.5	16	19.5
M 24	3	172	45	18	14	18	21
M 27	3	180	45	20	16	20	24
M 30	3.5	183	48	20	16	20	26.5

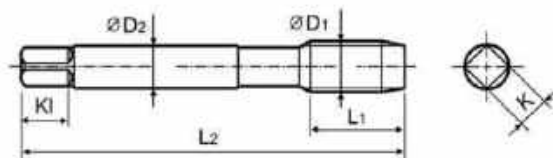
Unit : mm



ISO 2283 / IS 6175 Part 4							
Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD1	p	L	L1	ØD3	a	L3	Ød1
M 3	0.5	66	11	2.24	1.8	4	2.5
M 3.5	0.6	68	13	2.5	2	4	2.9
M 4	0.7	73	13	3.15	2.5	5	3.3
M 5	0.8	79	16	4	3.15	6	4.2
M 6	1	89	19	4.5	3.55	6	5
M 8	1.25	97	22	6.3	5	8	6.75
M 10	1.25	108	20	8	6.3	9	8.75
M 10	1.5	108	24	8	6.3	9	8.5
M 12	1.5	119	29	9	7.1	10	10.5
M 12	1.75	119	29	9	7.1	10	10.25
M 14	1.5	127	30	11.2	9	12	12.5
M 14	2	127	30	11.2	9	12	12
M 16	1.5	137	32	12.5	10	13	14.5
M 16	2	137	32	12.5	10	13	14
M 18	1.5	142	29	14	11.2	14	16.5
M 18	2.5	149	37	14	11.2	14	15.5
M 20	1.5	142	29	14	11.2	14	18.5
M 20	2.5	149	37	14	11.2	14	17.5
M 22	2.5	158	38	16	12.5	16	19.5
M 24	3	172	45	18	14	18	21

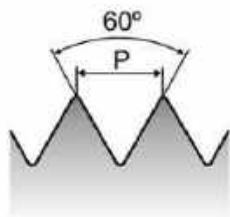
Unit : mm

I-SP Straight Flute Taps



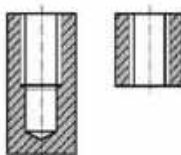
STRAIGHT FLUTE TAP

HSS



Hole type

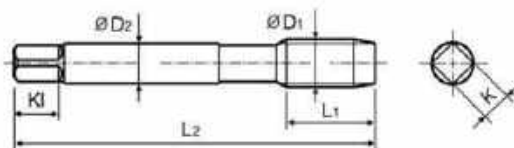
2.0×D



Unit : mm

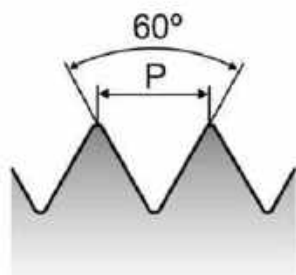
SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M3	× 0.5	YH2	46	11	4	3.2	6	3
M4	× 0.7	YH2	52	13	5	4	7	3
M5	× 0.8	YH2	60	16	5.5	4.5	7	3
M6	× 1	YH2	62	19	6	4.5	7	3
M8	× 1.25	YH2	70	22	6.2	5	8	4
M10	× 1.5	YH3	75	24	7	5.5	8	4
M10	× 1.25	YH2	75	24	7	5.5	8	4
M12	× 1.75	YH3	82	29	8.5	6.5	9	4
M12	× 1.5	YH3	82	29	8.5	6.5	9	4
M12	× 1.25	YH2	82	29	8.5	6.5	9	4
M12	× 1	YH2	82	29	8.5	6.5	9	4
M14	× 2	YH3	88	30	10.5	8	11	4
M14	× 1.5	YH3	88	30	10.5	8	11	4
M16	× 2	YH3	95	32	12.5	10	13	4
M16	× 1.5	YH3	95	32	12.5	10	13	4
M18	× 2.5	YH3	100	37	14	11	14	4
M18	× 1.5	YH3	100	37	14	11	14	4
M20	× 2.5	YH3	105	37	15	12	15	4
M20	× 1.5	YH3	105	37	15	12	15	4

I-SP Long Shank Straight Flute Taps for General Purpose



STRAIGHT FLUTE TAP

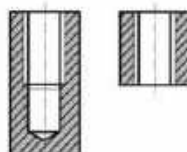
HSS



Long Shank

Hole type

2.0×D



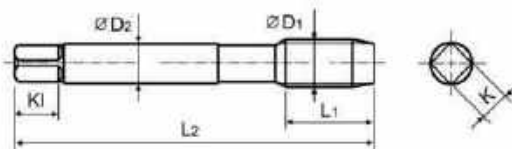
► **100mm**

Unit mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	Kl	
M3	× 0.5	YH1	100	11	4	3.2	6	3
M4	× 0.7	YH2	100	13	5	4	7	3
M5	× 0.8	YH2	100	16	5.5	4.5	7	3
M6	× 1	YH2	100	19	6	4.5	7	3
M8	× 1.25	YH2	100	22	6.2	5	8	4
M10	× 1.5	YH2	100	24	7	5.5	8	4
M10	× 1.25	YH2	100	24	7	5.5	8	4
M12	× 1.75	YH2	100	29	8.5	6.5	9	4
M12	× 1.5	YH2	100	29	8.5	6.5	9	4
M12	× 1.25	YH2	100	29	8.5	6.5	9	4
M14	× 2	YH2	100	30	10.5	8	11	4
M14	× 1.5	YH2	100	30	10.5	8	11	4

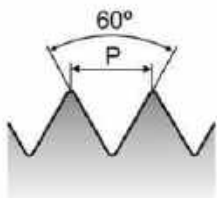
DiC

I-SP Long Shank Straight Flute Taps for General Purpose



STRAIGHT FLUTE TAP

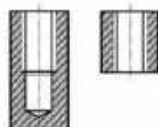
HSS



Long Shank

Hole type

2.0×D

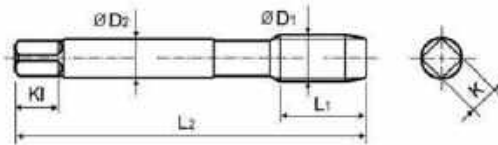


► 120mm

Unit: mm

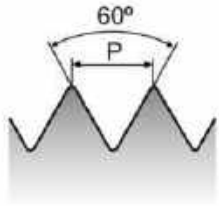
SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M3	× 0.5	YH1	120	11	4	3.2	6	3
M4	× 0.7	YH2	120	13	5	4	7	3
M5	× 0.8	YH2	120	16	5.5	4.5	7	3
M6	× 1	YH2	120	19	6	4.5	7	3
M8	× 1.25	YH2	120	22	6.2	5	8	4
M10	× 1.5	YH2	120	24	7	5.5	8	4
M10	× 1.25	YH2	120	24	7	5.5	8	4
M12	× 1.75	YH2	120	29	8.5	6.5	9	4
M12	× 1.5	YH2	120	29	8.5	6.5	9	4
M12	× 1.25	YH2	120	29	8.5	6.5	9	4
M14	× 2	YH2	120	30	10.5	8	11	4
M14	× 1.5	YH2	120	30	10.5	8	11	4
M16	× 2	YH2	120	32	12.5	10	13	4
M16	× 1.5	YH2	120	32	12.5	10	13	4

I-SP Long Shank Straight Flute Taps for General Purpose



STRAIGHT FLUTE TAP

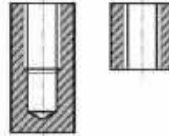
HSS



Long Shank

Hole type

2.0×D

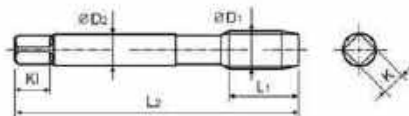


► 150mm

Unit : mm

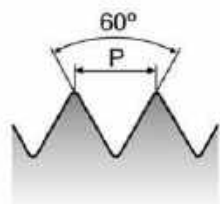
SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	K1	
M3	× 0.5	YH1	150	11	4	3.2	6	3
M4	× 0.7	YH2	150	13	5	4	7	3
M5	× 0.8	YH2	150	16	5.5	4.5	7	3
M6	× 1	YH2	150	19	6	4.5	7	3
M8	× 1.25	YH2	150	22	6.2	5	8	4
M10	× 1.5	YH2	150	24	7	5.5	8	4
M10	× 1.25	YH2	150	24	7	5.5	8	4
M12	× 1.75	YH2	150	29	8.5	6.5	9	4
M12	× 1.5	YH2	150	29	8.5	6.5	9	4
M12	× 1.25	YH2	150	29	8.5	6.5	9	4
M14	× 2	YH2	150	30	10.5	8	11	4
M14	× 1.5	YH2	150	30	10.5	8	11	4
M16	× 2	YH2	150	32	12.5	10	13	4
M16	× 1.5	YH2	150	32	12.5	10	13	4
M18	× 2.5	YH3	150	37	14	11	14	4
M18	× 1.5	YH2	150	37	14	11	14	4
M20	× 2.5	YH3	150	37	15	12	15	4
M20	× 1.5	YH3	150	37	15	12	15	4
M22	× 2.5	YH3	150	38	17	13	16	4
M22	× 1.5	YH3	150	38	17	13	16	4
M24	× 3	YH3	150	45	19	15	18	4
M24	× 1.5	YH3	150	45	19	15	18	4

I-SP Long Shank Straight Flute Taps for General Purpose



STRAIGHT FLUTE TAP

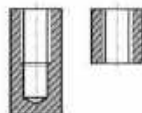
HSS



Long Shank

Hole type

2.0×D



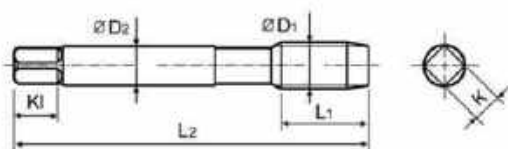
► **200mm**

Unit : mm

SIZE	Pitch	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1	P		L2	L1	ØD2	K	KI	
M8	× 1.25	YH2	200	22	6.2	5	8	4
M10	× 1.5	YH2	200	24	7	5.5	8	4
M10	× 1.25	YH2	200	24	7	5.5	8	4
M12	× 1.75	YH2	200	29	8.5	6.5	9	4
M12	× 1.5	YH2	200	29	8.5	6.5	9	4
M12	× 1.25	YH2	200	29	8.5	6.5	9	4
M14	× 2	YH2	200	30	10.5	8	11	4
M14	× 1.5	YH2	200	30	10.5	8	11	4
M16	× 2	YH2	200	32	12.5	10	13	4
M16	× 1.5	YH2	200	32	12.5	10	13	4
M18	× 2.5	YH3	200	37	14	11	14	4
M18	× 1.5	YH2	200	37	14	11	14	4
M20	× 2.5	YH3	200	37	15	12	15	4
M20	× 1.5	YH3	200	37	15	12	15	4
M22	× 2.5	YH3	200	38	17	13	16	4
M22	× 1.5	YH3	200	38	17	13	16	4
M24	× 3	YH3	200	45	19	15	18	4
M24	× 1.5	YH3	200	45	19	15	18	4

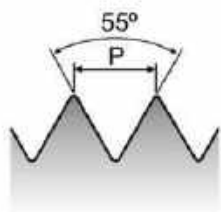


I-SP Long Shank Straight Flute Taps for General Purpose



STRAIGHT FLUTE TAP

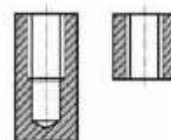
HSS



Long Shank

Hole type

2.0×D



► 100mm

Unit : mm

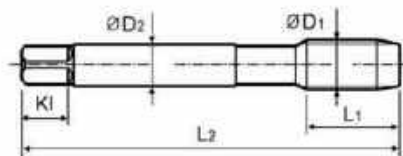
SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	K1	
W1/8	- 40	JIS II	100	11	4	3.2	6	3
W3/16	- 24	JIS II	100	16	5.5	4.5	7	3
W1/4	- 20	JIS II	100	19	6	4.5	7	3
W5/16	- 18	JIS II	100	22	6.1	5	8	4
W3/8	- 16	JIS II	100	24	7	5.5	8	4
W7/16	- 14	JIS II	100	25	8	6	9	4
W1/2	- 12	JIS II	100	29	9	7	10	4

► 120mm

Unit : mm

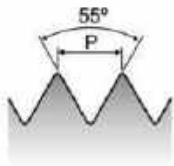
SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	K1	
W1/8	- 40	JIS II	120	11	4	3.2	6	3
W3/16	- 24	JIS II	120	16	5.5	4.5	7	3
W1/4	- 20	JIS II	120	19	6	4.5	7	3
W5/16	- 18	JIS II	120	22	6.1	5	8	4
W3/8	- 16	JIS II	120	24	7	5.5	8	4
W7/16	- 14	JIS II	120	25	8	6	9	4
W1/2	- 12	JIS II	120	29	9	7	10	4
W9/16	- 12	JIS II	120	30	10.5	8	11	4
W5/8	- 11	JIS II	120	32	12	9	12	4

I-SP Long Shank Straight Flute Taps for General Purpose



STRAIGHT FLUTE TAP

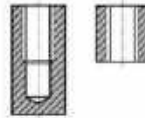
HSS



Long Shank

Hole type

2.0×D



► 150mm

Unit : mm

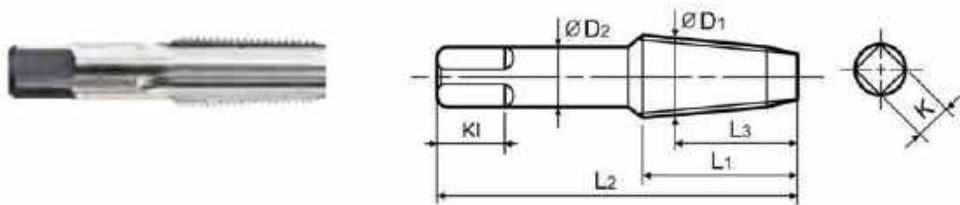
SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	K1	
W1/8	- 40	JIS II	150	11	4	3.2	6	3
W3/16	- 24	JIS II	150	16	5.5	4.5	7	3
W1/4	- 20	JIS II	150	19	6	4.5	7	3
W5/16	- 18	JIS II	150	22	6.1	5	8	4
W3/8	- 16	JIS II	150	24	7	5.5	8	4
W7/16	- 14	JIS II	150	25	8	6	9	4
W1/2	- 12	JIS II	150	29	9	7	10	4
W9/16	- 12	JIS II	150	30	10.5	8	11	4
W5/8	- 11	JIS II	150	32	12	9	12	4
W3/4	- 10	JIS II	150	37	14	11	14	4
W7/8	- 9	JIS II	150	38	17	13	16	4
W1"	- 8	JIS II	150	45	20	15	18	4

► 200mm

Unit : mm

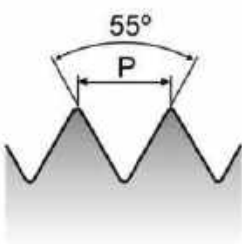
SIZE	TPI	Limit	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1			L2	L1	ØD2	K	K1	
W3/8	- 16	JIS II	200	24	7	5.5	8	4
W7/16	- 14	JIS II	200	25	8	6	9	4
W1/2	- 12	JIS II	200	29	9	7	10	4
W9/16	- 12	JIS II	200	30	10.5	8	11	4
W5/8	- 11	JIS II	200	32	12	9	12	4
W3/4	- 10	JIS II	200	37	14	11	14	4
W7/8	- 9	JIS II	200	38	17	13	16	4
W1"	- 8	JIS II	200	45	20	15	18	4

Taper Pipe Taps for PT Threads



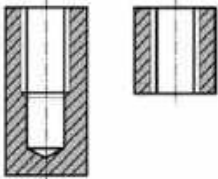
STRAIGHT PIPE TAP

HSS



Hole type

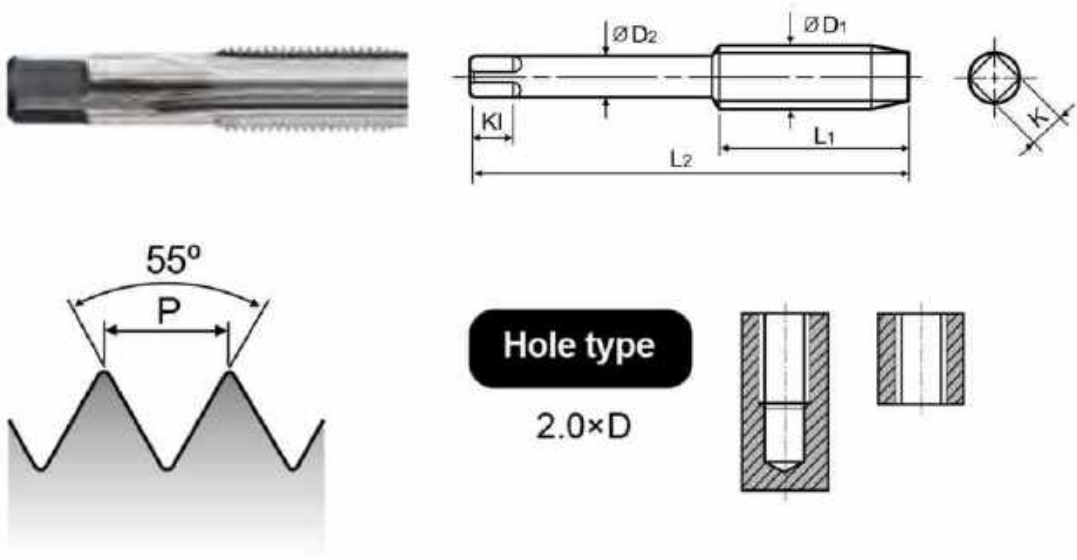
2.0×D



Unit: mm

SIZE	TPI	Limit	Basic Maj. Dia.	Overall Length	Thread Length	Projection Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1				L2	L1	L3	ØD2	K	KI	
PT 1/16	- 28	JIS	7.723	55	19	13	6.5	5	8	4
PT 1/8	- 28	JIS	9.728	55	19	13	8	6	9	4
PT 1/4	- 19	JIS	13.157	62	28	21	11	9	12	4
PT 3/8	- 19	JIS	16.662	65	28	21	14	11	14	4
PT 1/2	- 14	JIS	20.955	80	35	25	18	14	17	4
PT 3/4	- 14	JIS	26.441	85	35	25	23	17	20	4
PT 1	- 11	JIS	33.249	95	45	32	26	21	24	5
PT 1*1/4	- 11	JIS	41.910	105	45	32	32	26	30	5
PT 1*1/2	- 11	JIS	47.803	110	45	32	38	29	32	6
PT 2	- 11	JIS	59.614	120	50	35	46	35	38	6

Straight Pipe Taps for PS Threads



STRAIGHT PIPE TAP

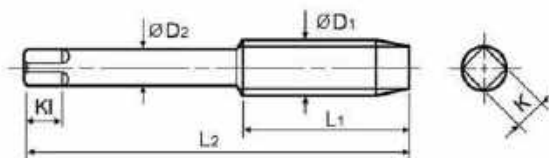
HSS



Unit : mm									
SIZE	TPI	Limit	Basic Maj. Dia.	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1				L2	L1	ØD2	K	KI	
PS 1/8	- 28	JIS	9.728	55	19	8	6	9	4
PS 1/4	- 19	JIS	13.157	62	28	11	9	12	4
PS 3/8	- 19	JIS	16.662	65	28	14	11	14	4
PS 1/2	- 14	JIS	20.955	80	35	18	14	17	4
PS 3/4	- 14	JIS	26.441	85	35	23	17	20	4
PS 1	- 11	JIS	33.249	95	45	26	21	24	5
PS 1*1/4	- 11	JIS	41.910	105	45	32	26	30	5
PS 1*1/2	- 11	JIS	47.803	110	45	38	29	32	6
PS 2	- 11	JIS	59.614	120	50	46	35	38	6

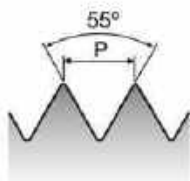


Straight Pipe Taps for PF Threads



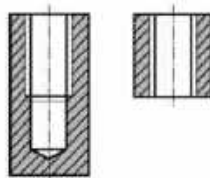
STRAIGHT PIPE TAP

HSS



Hole type

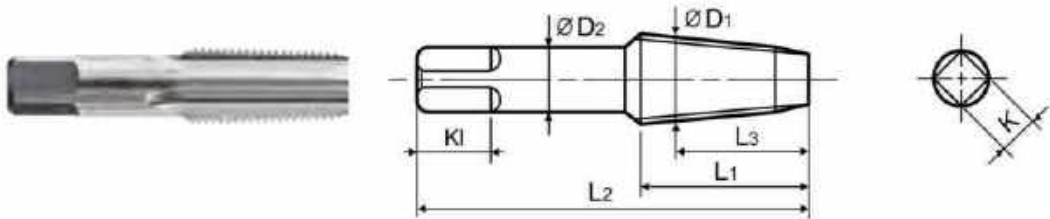
2.0×D



Unit: mm

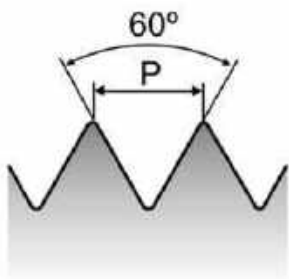
SIZE	TPI	Limit	Basic Maj. Dia.	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1				L2	L1	ØD2	K	K1	
PF 1/8	- 28	JIS	9.728	55	19	8	6	9	4
PF 1/4	- 19	JIS	13.157	62	28	11	9	12	4
PF 3/8	- 19	JIS	16.662	65	28	14	11	14	4
PF 1/2	- 14	JIS	20.955	80	35	18	14	17	4
PF 3/4	- 14	JIS	26.441	85	35	23	17	20	4
PF 1	- 11	JIS	33.249	95	45	26	21	24	5
PF 1*1/4	- 11	JIS	41.910	105	45	32	26	30	5
PF 1*1/2	- 11	JIS	47.803	110	45	38	29	32	6
PF 2	- 11	JIS	59.614	120	50	46	35	38	6

Straight Pipe Taps for PF Threads



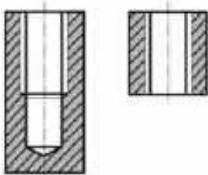
STRAIGHT PIPE TAP

HSS



Hole type

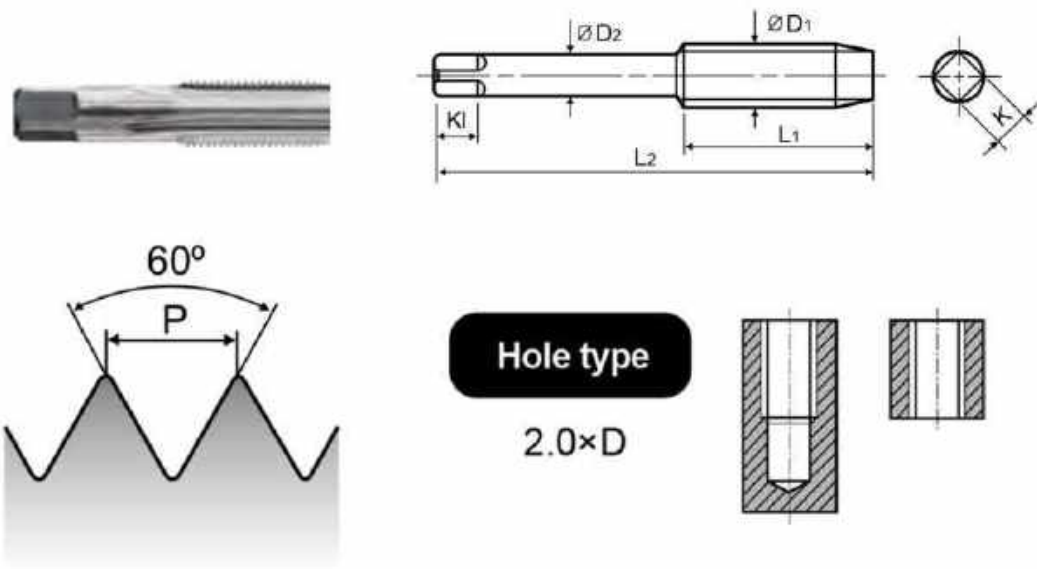
2.0×D



Unit: mm

SIZE	TPI	Limit	Basic Maj. Dia.	Overall Length	Thread Length	Projection Length	Shank Diameter	Square Size	Square Length	No. of Flute
$\varnothing D_1$				L ₂	L ₁	L ₃	$\varnothing D_2$	K	Kl	
NPT 1/8 - 27		ANSI	10.117	55	19	12.05	8	6	9	4
NPT 1/4 - 18		ANSI	13.426	62	28	17.45	11	9	12	4
NPT 3/8 - 18		ANSI	16.866	65	28	17.65	14	11	14	4
NPT 1/2 - 14		ANSI	20.980	80	35	22.85	18	14	17	4
NPT 3/4 - 14		ANSI	26.325	85	35	22.95	23	17	20	4
NPT 1 - 11 1/2		ANSI	32.934	95	45	27.40	26	21	24	5

Straight Pipe Taps for NPS Threads



STRAIGHT PIPE TAP

HSS

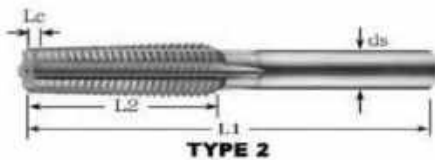
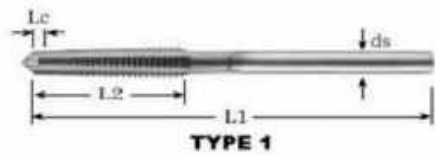


Unit: mm

SIZE	TPI	Limit	Basic Maj. Dia.	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	No. of Flute
ØD1				L2	L1	ØD2	K	KI	
NPS 1/8 - 27		ANSI	10.117	55	19	8	6	9	4
NPS 1/4 - 18		ANSI	13.426	62	28	11	9	12	4
NPS 3/8 - 18		ANSI	16.866	65	28	14	11	14	4
NPS 1/2 - 14		ANSI	20.980	80	35	18	14	17	4
NPS 3/4 - 14		ANSI	26.325	85	35	23	17	20	4
NPS 1 - 11 1/2		ANSI	30.934	95	45	26	21	24	5
NPS 1*1/4 - 11 1/2		ANSI	41.689	105	45	32	26	30	5
NPS 1*1/2 - 11 1/2		ANSI	47.760	110	45	38	29	32	6
NPS 2 - 11 1/2		ANSI	59.800	120	50	46	35	38	6

Metric Size

HSS

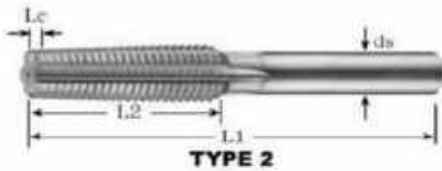
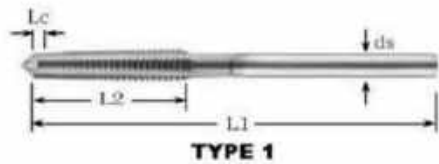


Size	GH	Type	L ₁	Thread	L ₂	ds
M3x0.5	4	1	58	26	13	2.3
	5					
	6					
	7					
	8					
M4x0.7	5	1	58	26	18.2	3.0
	6					
	7					
	8					
M5x0.8	5	1	62	26	20.8	3.8
	6					
	7					
	8					
M6x1.0	5	1	67	26	26	4.5
	6					
	7					
	8					
M7x1.0	6	1	70	26	26	5.6
	7					
	8					
M8x1.25	6	2	77	26	32.5	6.05
	7					
	8					
	9					
M8x1.0	6	2	77	26	26	6.4
	7					
	8					
	9					
M10x1.5	6	2	89	26	39	8.0
	7					
	8					
	9					

Size	GH	Type	L ₁	Thread	L ₂	ds
M10x1.25	6	2	89	26	32.5	8.1
	7					
	8					
	9					
	10					
M10x1.0	6	2	89	26	26	8.4
	7					
	8					
M12x1.75	6	2	102	26	45.5	9.5
	7					
	8					
	9					
M12x1.5	6	2	102	26	39	9.8
	7					
	8					
	9					
M12x1.25	6	2	102	26	32.5	10.0
	7					
	8					
	9					
M14x2.0	6	2	114	26	52	11.2
	7					
	8					
	9					
M14x1.5	6	2	114	26	39	11.2
	7					
	8					
	9					
M16x2.0	6	2	127	26	52	13.1
	7					
	8					
	9					

Metric Size

HSS

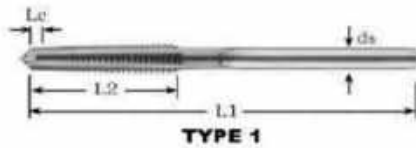


Size	GH	Type	L ₁	Thread	L ₂	ds
M16x1.5	6	2	127	26	39	13.1
	7					
	8					
M18x2.5	7	2	133	26	65	14.5
	8					
	9					
	10					
M18x2.0	11	2	133	26	52	15
	8					
	9					
M18x1.5	10	2	133	26	39	15
	11					
	8					
	9					
	10					
M20x2.5	11	2	133	26	65	16.5
	12					
	8					
	9					
M20x2.0	10	2	133	26	65	16.5
	9					
	8					
M20x1.5	11	2	133	26	39	16.5
	12					
	9					
	10					
	8					
M22x2.5	11	2	146	26	65	17.5
	12					
	9					
	8					
M22x2.0	10	2	146	26	52	19
	9					
	8					

Size	GH	Type	L ₁	Thread	L ₂	ds
M24x3.0	8	2	165	26	78	18.5
	9					
	10					
	11					
M24x2.0	12	2	165	26	52	20
	8					
	9					
	10					
M24x1.5	11	2	165	26	39	21.5
	12					
	8					
	9					
	10					

Tin Nut Taps for Carbon Steel

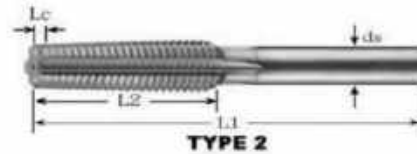
US Thread



Size	GH	Type	L ₁	Thread	L ₂	ds
4-40UNC	5	1	58	26	16.5	2.0
	6					
5-40UNC	5	1	58	26	16.5	2.2
	6					
5-44UNF	5	1	58	26	15	2.2
	6					
6-32UNC	5	1	60	26	20.6	2.4
	6					
6-40UNF	5	1	60	26	16.5	2.6
	6					
8-32UNC	5	1	60	26	20.6	3.2
	6					
8-36UNF	5	1	60	26	18.3	3.2
	6					
10-24UNC	5	1	69	26	27.5	3.4
	6					
10-32UNF	5	1	69	26	20.6	3.7
	6					
12-24UNC	5	1	69	26	27.5	4.0
	6					
12-28UNF	5	1	69	26	23.6	4.2
	6					
1/4-20UNC	5	1	72	26	33	4.6
	6					
	7					
	8					
1/4-28UNF	5	1	72	26	23.6	5.0
	6					
	7					
	8					
5/16-18UNC	5	2	77	26	36.7	6.0
	6					
	7					
	8					
5/16-24UNF	5	2	77	26	27.5	6.3
	6					
	7					
	8					

TIN NUT TAPS

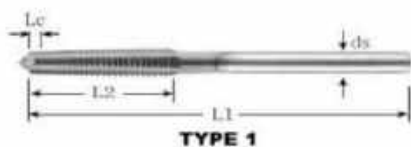
HSS



Size	GH	Type	L ₁	Thread	L ₂	ds
3/8-16UNC	6	2	89	26	41.3	7.3
	7					
	8					
	9					
3/8-24UNF	6	2	89	26	27.5	8.0
	7					
	8					
	9					
7/16-14UNC	6	2	102	26	47.2	8.6
	7					
	8					
	9					
7/16-20UNF	6	2	102	26	33	9.3
	7					
	8					
	9					
1/2-13UNC	7	2	102	26	50.8	10.0
	8					
	9					
1/2-20UNF	6	2	102	26	33	10.9
	7					
	8					
9/16-18UNF	8	2	114	26	36.7	11.4
	9					
5/8-11UNC	9	2	127	26	60	12.8
	10					
5/8-18UNF	8	2	127	26	36.7	13.1
	9					
3/4-10UNC	9	2	133	26	66	15
	10					
3/4-16UNF	8	2	133	26	41.3	15
	9					
7/8-9UNC	9	2	146	26	73.4	17
	10					
7/8-14UNF	8	2	146	26	47.2	18
	9					
1-12UNF	9	2	165	26	55	21
	10					

Tin Nut Taps for Carbon Steel

BSW Thread (Brithish Whitworth)



TYPE 1



TYPE 2

TIN NUT TAPS

HSS

Size	GH	Type	L ₁	Thread	L ₂	ds
W3/16-24	5	1	69	26	27.5	3.2
	6					
	7					
	8					
W1/4-20	5	1	72	26	33	4.6
	6					
	7					
	8					
W5/16-18	5	2	77	26	36.7	6.0
	6					
	7					
	8					
W3/8-16	6	2	89	26	41.3	7.3
	7					
	8					
	9					
W7/16-14	6	2	102	26	47.2	8.6
	7					
	8					
	9					
W1/2-12	7	2	102	26	55	9.5
	8					
	9					
	10					

Size	GH	Type	L ₁	Thread	L ₂	ds
W9/16-12	8	2	114	26	55	10.5
	9					
	10					
W5/8-11	9	2	127	26	60	12
	10					
	11					
W3/4-10	9	2	133	26	66	15
	10					
	11					
W7/8-9	9	2	146	26	73.4	17
	10					
	11					
W1"-8	9	2	165	26	82.6	20
	10					
	11					



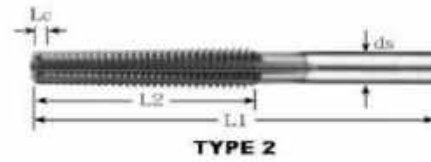
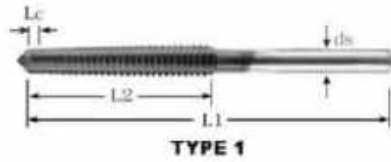
TYPE 1



TYPE 2

Size	GH	Type	L ₁	Thread	L ₂	ds
M3x0.5	4	1	58.7	30	15	2.3
	5					
	6					
M4x0.7	5	1	58.2	30	21	3.0
	6					
	7					
M5x0.8	5	1	62.8	30	24	3.8
	6					
	7					
M6x1.0	6	1	67.5	30	30	4.5
	7					
	8					
M7x1.0	6	1	70	30	30	5.6
	7					
	8					
M8x1.25	7	2	85	30	30	6.05
	8					
	9					
M8x1.0	6	2	77	30	30	6.4
	7					
	8					
M10x1.5	7	2	95	30	30	7.8
	8					
	9					
M10x1.25	6	2	89	30	30	8.1
	7					
	8					
M10x1.0	6	2	89	30	30	8.4
	7					
M12x1.75	7	2	102	30	30	9.5
	8					
M12x1.5	9	2	102	30	30	9.8
	6					
	7					
N12x1.25	6	2	102	30	30	10.1
	7					
M12x1.0	6	2	102	30	30	10.5
	7					

Size	GH	Type	L ₁	Thread	L ₂	ds
M14x2.0	7	2	114	30	60	11.2
	8					
	9					
M14x1.5	7	2	114	30	45	11.2
	8					
	9					
M16x2.0	7	2	127	30	60	13.1
	8					
	9					
M16x1.5	7	2	127	30	45	13.1
	8					
	9					
M18x2.5	9	2	133	30	75	14.0
	10					
	11					
M18x2.0	9	2	133	30	60	15.0
	10					
	11					
M20x2.5	9	2	133	30	75	15.5
	10					
	11					
M20x2.0	9	2	133	30	60	16.5
	10					
	11					
M20x1.5	8	2	133	30	45	16.5
	9					
	10					
M22x2.5	9	2	146	30	75	16.5
	10					
	11					
M22x2.0	9	2	146	30	60	19.0
	10					
M24x3.0	9	2	165	30	90	18.5
	10					
	11					
M24x2.0	9	2	165	30	60	20.0
	10					
M24x1.5	9	2	165	30	45	21.5
	10					



Size	GH	Type	L ₁	Thread	L ₂	ds
4-40UNC	4	1	58.8	30	19.1	2.0
	5					
4-48UNC	4	1	58.8	30	15.9	2.0
	5					
5-40UNC	4	1	58.6	30	19.1	2.2
	5					
5-44UNF	4	1	58.6	30	17.3	2.2
	5					
6-32UNC	5	1	60.5	30	23.8	2.4
	6					
6-40UNF	4	1	60.5	30	19.1	2.6
	5					
8-32UNC	5	1	60.2	30	23.8	3.1
	6					
8-36UNF	5	1	60.2	30	21.2	3.1
	6					
10-24UNC	5	1	69	30	31.7	3.4
	6					
10-32UNF	5	1	69	30	23.8	3.7
	6					
12-24UNC	5	1	69.5	30	31.7	4.0
	6					
12-28UNF	5	1	69.5	30	27.2	4.2
	6					
1/4-20UNC	5	1	72.4	30	38.1	4.5
	6					
	7					
1/4-28UNF	5	1	71.9	30	27.2	5.0
	6					
5/16-18UNC	6	2	80	30	42.3	6.0
	7					
	8					
5/16-24UNF	6	2	80	30	31.7	6.3
	7					
3/8-16UNC	6	2	89	30	47.6	7.3
	7					
	8					

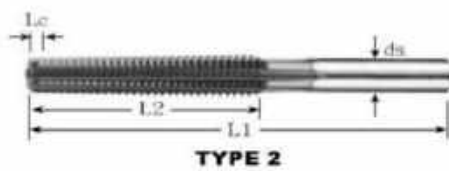
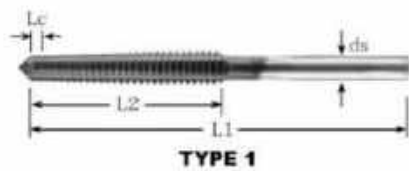
3/8-16UNF	6	2	89	30	31.7	8
	7					
7/16-14UNC	6	2	102	30	54.4	8.6
	7					
	8					
7/16-20UNF	6	2	102	30	38.1	9.3
	7					
1/2-13UNC	8	2	102	30	58.6	10
	9					
	10					
1/2-20UNF	7	2	102	30	38.1	10.9
	8					
9/16-12UNC	8	2	114	30	63.5	11
	9					
	10					
9/16-18UNF	8	2	114	30	42.3	11.4
	9					
	10					
5/8-11UNC	9	2	127	30	69.3	12.8
	10					
	11					
5/8-18UNF	8	2	127	30	42.3	13.1
	9					
	10					
3/4-10UNC	9	2	133	30	76.2	15
	10					
	11					
3/4-16UNF	8	2	133	30	47.6	15
	9					
7/8-9UNC	9	2	146	30	84.7	17
	10					
	11					
7/8-14UNF	8	2	146	30	54.4	18.5
	9					
1-8UNC	10	2	165	30	95.3	20
	11					
1-12UNF	9	2	165	30	63.5	21
	10					

TiCN Nut Taps For Stainless Steel

BSW Thread (Brithish Whitworth)

TiCN NUT TAPS

HSS



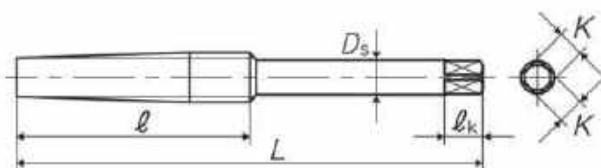
Size	GH	Type	L ₁	Thread	L ₂	ds
W3/16-24	5	1	69	30	31.7	3.2
	6					
	7					
W1/4-20	5	1	72.4	30	38.1	4.5
	6					
	7					
W5/16-18	5	2	80	30	42.3	6.0
	6					
	7					
W3/8-16	6	2	89	30	47.6	7.3
	7					
	8					
W7/16-14	6	2	102	30	54.4	8.6
	7					
	8					
W1/2-12	7	2	102	30	63.5	9.5
	8					
	9					

Size	GH	Type	L ₁	Thread	L ₂	ds
W9/16-12	6	2	114	30	63.5	10.5
	7					
	8					
W5/8-11	6	2	127	30	69.3	12
	10					
	11					
W3/4-10	6	2	133	30	76.2	15
	10					
	11					
W7/8-9	6	2	146	30	84.7	17
	10					
	11					
W1"-8	8	2	165	30	95.3	20
	11					
	12					



Trapezoidal Thread Taps

TYPE: 1



Specification

HSS



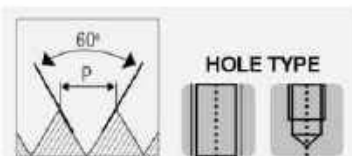
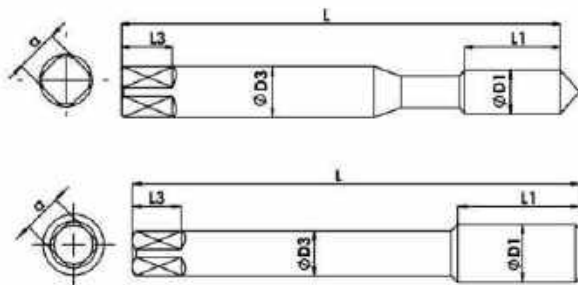
Size	Chamfer	L (mm)	l (mm)	Ds (mm)	K (mm)	lk (mm)	No. of flutes	TYPE
For Trapezoidal threads								
Tr 10 × 2	26P	160	70	7.8	6	9	3	1
Tr 12 × 3	23P	190	95	9	7	10	3	1
Tr 12 × 2	30P	170	80	9	7	10	3	1
Tr 14 × 3	23P	190	95	11	9	12	3	1
Tr 16 × 4	22.5P	220	120	12	9	12	3	1
Tr 16 × 3	25P	200	100	13	10	13	3	1
Tr 18 × 4	22.5P	220	120	14	11	14	4	1
Tr 20 × 4	24.5P	230	130	16	12	15	4	1
Tr 22 × 5	22P	250	150	18	14	17	4	1
Tr 24 × 5	24P	260	160	19	15	18	4	1
Tr 25 × 5	25P	270	170	20	15	18	4	1
Tr 26 × 5	27P	280	180	21	17	20	4	1
Tr 28 × 5	28P	290	190	22	17	20	4	1
Tr 30 × 6	25P	300	200	24	19	22	4	1

Knuckle Thread DIN 405

Thread Size	Nominal Diameter mm	Bolt Thread Minor Diameter mm	Nut Thread Minor Diameter mm	Pitch mm
Rd 8 x 1/10"	8.254	5.460	5.714	2.540
Rd 9 x 1/10"	9.254	6.460	6.714	2.540
Rd 10 x 1/10"	10.254	7.460	7.714	2.540
Rd 11 x 1/10"	11.254	8.460	8.714	2.540
Rd 12 x 1/10"	12.254	9.460	9.714	2.540
Rd 14 x 1/8"	14.318	10.825	11.142	3.175
Rd 16 x 1/8"	16.318	12.825	13.142	3.175
Rd 18 x 1/8"	18.318	14.825	15.142	3.175
Rd 20 x 1/8"	20.318	16.825	17.142	3.175
Rd 22 x 1/8"	22.318	18.825	19.142	3.175
Rd 24 x 1/8"	24.318	20.825	21.142	3.175
Rd 28 x 1/8"	28.318	24.825	25.142	3.175
Rd 30 x 1/8"	30.318	26.825	27.142	3.175
Rd 32 x 1/8"	32.818	28.825	29.142	3.175
Rd 34 x 1/8"	34.318	30.825	31.142	3.175
Rd 36 x 1/8"	36.318	32.825	33.142	3.175
Rd 38 x 1/8"	38.318	34.825	35.142	3.175
Rd 40 x 1/6"	40.423	35.767	36.190	4.233
Rd 42 x 1/6"	42.423	37.767	38.190	4.233
Rd 44 x 1/6"	44.423	39.767	40.190	4.233
Rd 46 x 1/6"	46.423	41.767	42.190	4.233
Rd 48 x 1/6"	48.423	43.767	44.190	4.233
Rd 50 x 1/6"	50.423	45.767	46.190	4.233
Rd 52 x 1/6"	52.423	47.767	48.100	4.233
Rd 55 x 1/6"	55.423	50.767	51.190	4.233
Rd 58 x 1/6"	58.423	53.767	54.190	4.233
Rd 60 x 1/6"	60.423	55.767	56.190	4.233
Rd 62 x 1/6"	62.423	57.767	58.190	4.233
Rd 65 x 1/6"	65.423	60.767	61.190	4.233
Rd 68 x 1/6"	68.423	63.767	64.190	4.233
Rd 70 x 1/6"	70.423	65.767	66.190	4.233
Rd 72 x 1/6"	72.423	67.767	68.190	4.233
Rd 75 x 1/6"	75.423	70.767	71.190	4.233
Rd 78 x 1/6"	78.423	73.767	74.190	4.233
Rd 80 x 1/6"	80.423	75.767	76.190	4.233
Rd 82 x 1/6"	82.423	77.767	78.190	4.233
Rd 85 x 1/6"	85.423	80.767	81.190	4.233
Rd 88 x 1/6"	88.423	83.767	84.190	4.233
Rd 90 x 1/6"	90.423	85.767	86.190	4.233
Rd 92 x 1/6"	92.423	87.767	88.190	4.233
Rd 95 x 1/6"	95.423	90.767	91.190	4.233
Rd 98 x 1/6"	98.423	93.767	94.190	4.233
Rd 100 x 1/6"	100.423	95.767	96.190	4.233

Thread Size	Nominal Diameter mm	Bolt Thread Minor Diameter mm	Nut Thread Minor Diameter mm	Pitch mm
Rd 105 x 1/4"	105.635	98.650	99.285	6.350
Rd 110 x 1/4"	110.635	103.650	104.285	6.350
Rd 115 x 1/4"	115.635	108.650	109.285	6.350
Rd 120 x 1/4"	120.635	113.650	114.285	6.350
Rd 125 x 1/4"	125.635	118.650	119.285	6.350
Rd 130 x 1/4"	130.635	123.650	124.285	6.350
Rd 135 x 1/4"	135.635	128.650	129.285	6.350
Rd 140 x 1/4"	140.635	133.650	134.285	6.350
Rd 145 x 1/4"	145.635	138.650	139.285	6.350
Rd 150 x 1/4"	150.635	143.650	144.285	6.350
Rd 155 x 1/4"	155.635	148.650	149.285	6.350
Rd 160 x 1/4"	160.635	153.650	154.285	6.350
Rd 165 x 1/4"	165.635	158.650	159.285	6.350
Rd 170 x 1/4"	170.635	163.650	164.285	6.350
Rd 175 x 1/4"	175.635	168.650	169.285	6.350
Rd 180 x 1/4"	180.635	173.650	174.285	6.350
Rd 185 x 1/4"	185.635	178.650	179.285	6.350
Rd 190 x 1/4"	190.635	183.650	184.285	6.350
Rd 195 x 1/4"	195.635	188.650	189.285	6.350
Rd 200 x 1/4"	200.635	193.650	194.285	6.350

Carbide Spiral Flutes Taps



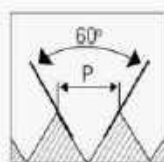
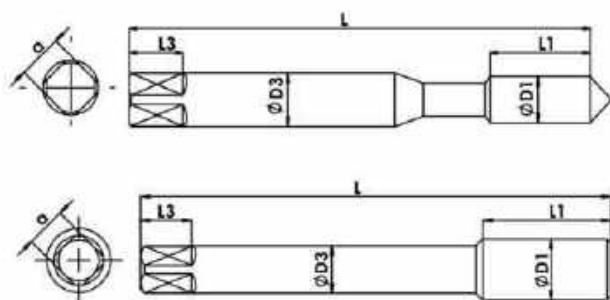
DIN 371

Nominal Diameter	Pitch	Overall Length	Thread Length	Recess Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute
ØD1	p	L	L1	mm	ØD3	a	L3	Ød1	
M 3	0.5	56	8.0	18.0	3.5	2.7	6.0	2.5	3
M 4	0.7	63	10.0	21.0	4.5	3.4	6.0	3.3	3
M 5	0.8	70	10.0	25.0	6	4.9	8.0	4.2	3
M 6	1	80	12.0	30.0	6	4.9	8.0	5	3
M 8	1.25	90	16.0	35.0	8	6.2	9.0	6.8	3
M 10	1.5	100	18.0	39.0	10	8	11.0	8.5	3

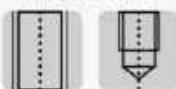
DIN 376

M 12	1.75	110	18	-	9	7	12	10.2	4
M 14	2	110	20	-	11	9	12	12	4
M 16	2	110	20	-	12	9	12	14	4

Carbide Straight Flutes Taps



HOLE TYPE



Carbide

DIN
371/376

6HX

E/1.5-2P

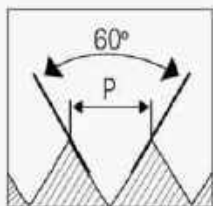
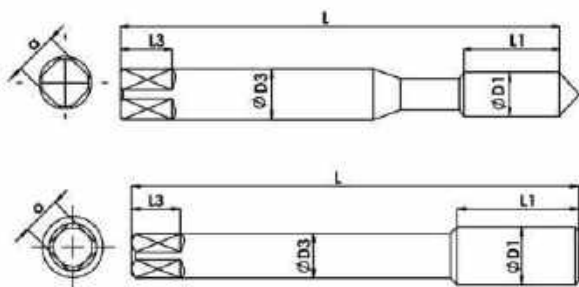
DIN 371

Nominal Diameter	Pitch	Overall Length	Thread Length	Recess Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute
ØD1	p	L	L1	mm	ØD3	a	L3	Ød1	
M 3	0.5	56	8.0	18.0	3.5	2.7	6.0	2.5	3
M 4	0.7	63	10.0	21.0	4.5	3.4	6.0	3.3	3
M 5	0.8	70	10.0	25.0	6	4.9	8.0	4.2	3
M 6	1	80	12.0	30.0	6	4.9	8.0	5	4
M 8	1.25	90	16.0	35.0	8	6.2	9.0	6.8	4
M 10	1.5	100	18.0	39.0	10	8	11.0	8.5	4

DIN 376

M 12	1.75	110	18	-	9	7	12	10.2	4
M 14	2	110	20	-	11	9	12	12	4
M 16	2	110	20	-	12	9	12	14	4

Carbide Forming Taps



HOLE TYPE



Carbide

DIN
371

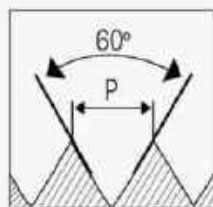
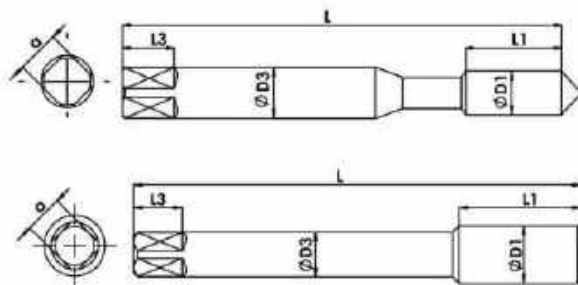
6HX

C/2-3P

DIN 371

Nominal Diameter	Pitch	Overall Length	Thread Length	Recess Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute
ØD1	p	L	L1	mm	ØD3	a	L3	Ød1	
M 3	0.5	56	6	18.0	3.5	2.7	6.0	2.8	
M 4	0.7	63	7.5	21.0	4.5	3.4	6.0	3.7	
M 5	0.8	70	8.5	25.0	6	4.9	8.0	4.7	
M 6	1	80	11	30.0	6	4.9	8.0	5.5	
M 8	1.25	90	14	35.0	8	6.2	9.0	7.4	
M 10	1.5	100	16	39.0	10	8	11.0	9.3	

Carbide Forming Taps With Internal Coolant



HOLE TYPE



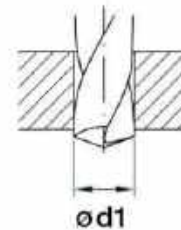
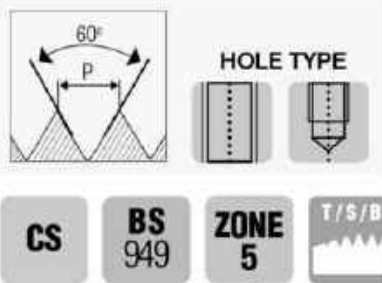
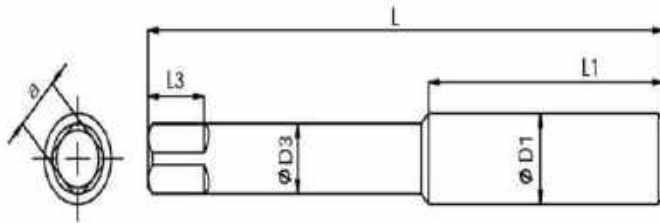
DIN
371

6HX

C/2-3P

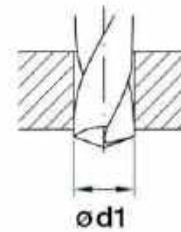
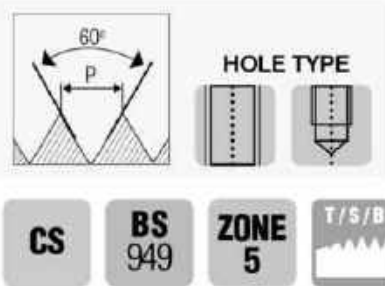
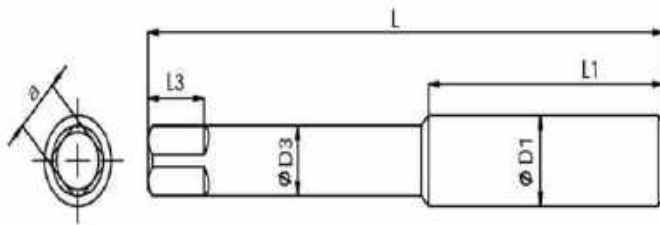
DIN 371

Nominal Diameter	Pitch	Overall Length	Thread Length	Recess Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter	No of Flute
ØD1	p	L	L1	mm	ØD3	a	L3	Ød1	
M 3	0.5	56	6	18.0	3.5	2.7	6.0	2.8	
M 4	0.7	63	7.5	21.0	4.5	3.4	6.0	3.7	
M 5	0.8	70	8.5	25.0	6	4.9	8.0	4.7	
M 6	1	80	11	30.0	6	4.9	8.0	5.5	
M 8	1.25	90	14	35.0	8	6.2	9.0	7.4	
M 10	1.5	100	16	39.0	10	8	11.0	9.3	



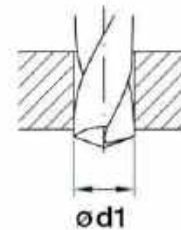
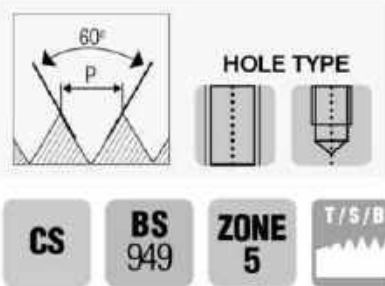
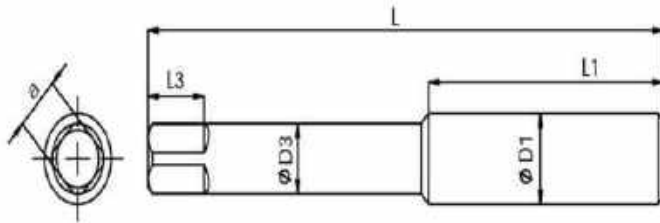
Unit : mm

Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD1	p	L	L1	ØD3	a	L3	Ø d1
M 2	0.4	44.03	11.5	3.25	2.58	4.46	1.6
M 2.2	0.45	45.72	15	3.25	2.58	4.46	1.75
M 2.5	0.45	47.51	15	3.25	2.58	4.46	2.05
M 3	0.5	49.4	17	3.25	2.58	4.46	2.5
M 3.5	0.6	52.85	20.6	3.66	2.86	4.46	2.9
M 4	0.7	56.33	22.5	4.22	3.26	6.05	3.3
M 4.5	0.75	62.99	26.6	4.8	3.69	6.05	3.7
M 5	0.8	63.29	26.6	5.41	4.15	6.05	4.2
M 6	1	67.04	30.7	6.15	4.71	6.84	5
M 7	1	67.68	30.7	7.21	5.5	7.64	6
M 8	1.25	69.85	30.5	8.2	6.23	8.43	6.8
M 9	1.25	74.61	33.7	9.12	6.9	10.02	7.8
M 10	1.5	74.61	33.7	10.29	7.73	10.02	8.5
M 11	1.5	80.17	36.5	8.2	6.06	10.02	9.5
M 12	1.5	85.83	42.1	9.32	6.9	10.81	10.5
M 12	1.75	85.83	42.1	9.32	6.9	10.81	10.2
M 14	1.5	91.28	42	10.91	8.07	12.4	12.5
M 14	2	91.28	42	10.91	8.07	12.4	12



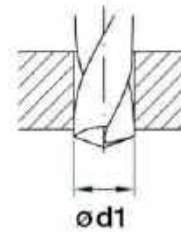
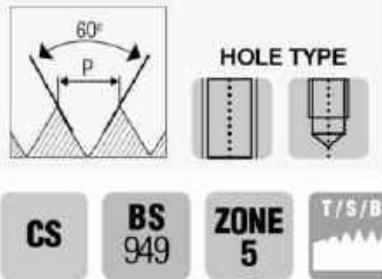
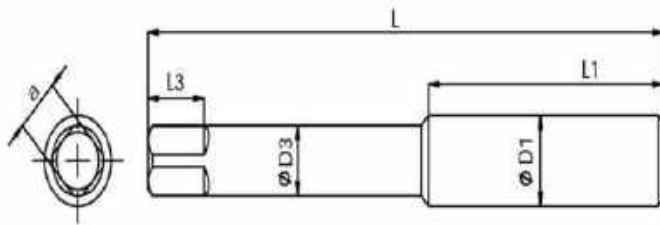
Unit : mm

Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
Ø D1	p	L	L1	Ø D3	a	L3	Ø d1
M 16	2	96.84	46	12.2	9.04	13.99	14
M 18	2.5	102.4	46	13.78	10.2	15.58	15.5
M 20	2.5	107.95	50.8	15	11.12	17.16	17.5
M 22	2.5	119.06	56.4	17.71	13.17	18.75	19.5
M 24	3	124.62	56.35	19.31	14.37	18.75	21
M 27	3	129.8	63.5	20.35	15.13	20.2	24
M 30	3.5	137.8	65	22.79	16.96	21.9	26.5
M 33	3.5	145.8	65	25.98	19.34	25.2	29.5
M 36	4	153.8	76	28.17	20.99	26.7	32
M 39	4	161.8	76	31.35	23.38	28.2	35
M 42	4.5	169.8	81	33.18	24.75	28.2	37.5
M 45	4.5	177.8	81	36.35	27.12	31.7	40.5
M 48	5	185.3	90.5	38.61	28.82	31.7	43
M 52	5	193.3	90.5	38.61	28.82	31.7	47



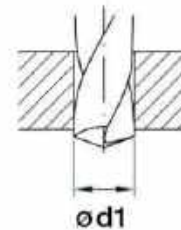
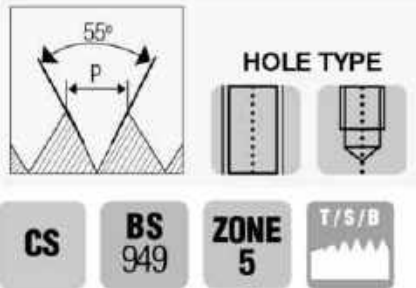
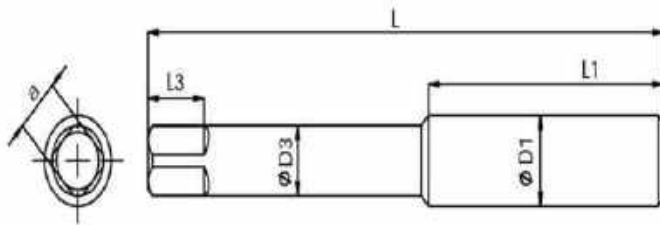
Unit : mm

Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
Ø D1	p	L	L1	Ø D3	a	L3	Ø d1
M 2.3	0.4	45.81	15.00	3.25	2.58	4.46	1.9
M 2.6	0.45	49.16	17.00	3.25	2.58	4.46	2.1
M 3	0.6	49.36	17.00	3.25	2.58	4.46	2.4
M 4	0.5	56.33	22.50	4.22	3.26	6.05	3.5
M 4	0.75	56.33	22.50	4.22	3.26	6.05	3.25
M 5	0.5	63.29	26.60	5.41	4.15	6.05	4.5
M 5	0.9	63.29	26.60	5.41	4.15	6.05	4.1
M 5.5	0.9	63.58	26.60	5.61	4.30	6.05	4.6
M 6	0.75	67.13	30.70	6.15	4.71	6.84	5.2
M 8	0.75	69.85	30.50	8.20	6.23	8.43	7.2
M 8	1	69.85	30.50	8.20	6.23	8.43	7
M 9	1	74.61	33.70	9.12	6.90	10.02	8
M 10	0.75	74.61	33.70	10.29	7.73	10.02	9.2
M 10	1	74.61	33.70	10.29	7.73	10.02	9
M 10	1.25	74.61	33.70	10.29	7.73	10.02	8.8
M 12	1	76.20	31.75	9.32	6.90	10.81	11
M 12	1.25	76.20	31.75	9.32	6.90	10.81	10.75
M 14	1.25	76.20	31.75	10.91	8.07	12.40	12.75



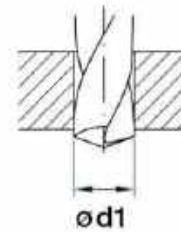
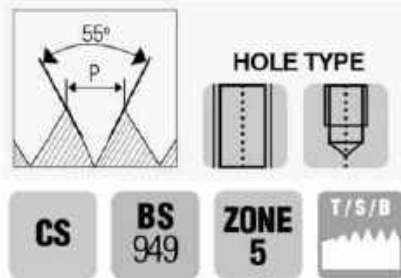
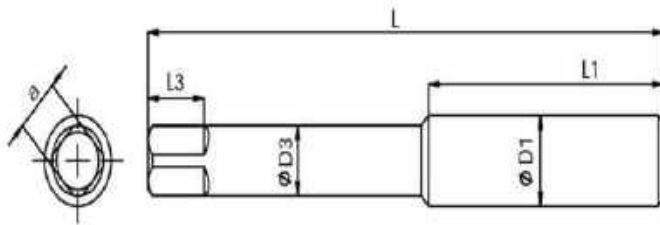
Unit : mm

Nominal Diameter	Pitch	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
Ø D1	p	L	L1	Ø D3	a	L3	Ø d1
M 16	1	76.20	31.75	12.20	9.04	13.99	15
M 18	1.5	76.20	31.75	13.78	10.20	15.58	16.5
M 20	1	82.55	38.10	15.00	11.12	17.16	19
M 22	1.5	82.55	38.10	17.71	13.17	18.75	20.5
M 24	1.5	82.55	38.10	19.31	14.37	18.75	22.5
M 25	1.5	82.55	38.10	20.33	15.13	20.34	23.5
M 26	1.5	82.35	38.10	20.35	15.13	20.20	24.5
M 27	1.5	82.35	38.10	20.35	15.13	20.20	25.5
M 28	1.5	101.40	38.10	21.21	15.77	20.30	26.5
M 30	1.5	101.40	38.10	22.79	16.96	21.90	28.5
M 30	2	101.40	38.10	22.79	16.96	21.90	28
M 32	1.5	101.40	38.10	25.98	19.34	25.20	31.5
M 40	1.5	101.40	38.10	31.35	23.38	28.20	38



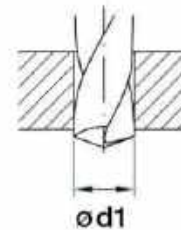
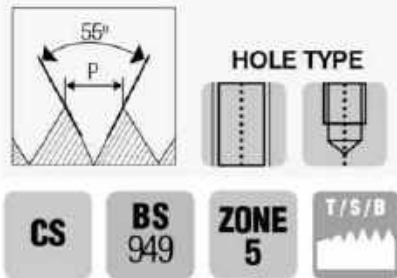
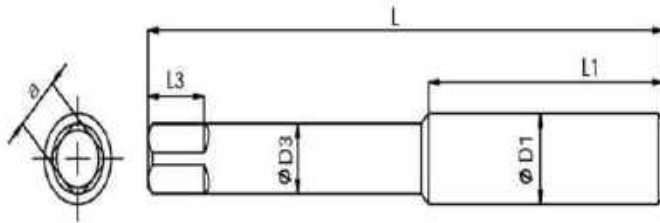
Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
Ø D1		L	L1	Ø D3	a	L3	Ø d1
1/16"	60	42.19	10.5	3.25	2.58	4.46	-
3/32"	48	47.41	15	3.25	2.58	4.46	-
1/8"	40	51.05	18.8	3.25	2.58	4.46	-
5/32"	32	56.28	22.3	4.04	3.03	6.05	-
3/16"	24	63.04	26.6	4.8	3.69	6.05	3.7
7/32"	24	63.56	26.6	5.61	4.3	6.05	4.5
1/4"	20	67.17	30.7	6.43	4.91	6.84	5.1
9/32"	20	67.68	30.7	7.21	5.5	7.64	5.8
5/16"	18	69.85	30.5	8	6.06	8.43	6.5
3/8"	16	74.61	33.7	9.58	7.38	10.02	7.9
7/16"	14	80.17	36.5	8.2	6.06	10.02	9.3
1/2"	12	85.83	42.1	9.32	6.9	10.81	10.5
9/16"	12	91.28	42	10.91	8.07	12.4	12.1
5/8"	11	96.84	46	12.2	9.04	13.99	13.5
11/16"	11	102.4	46	13.78	10.2	15.58	15



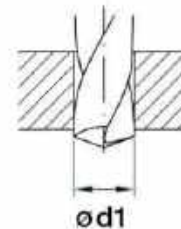
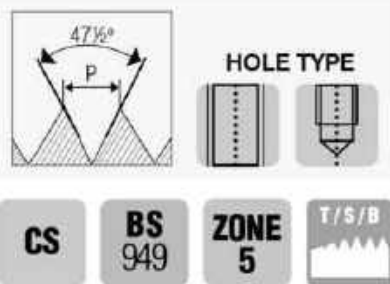
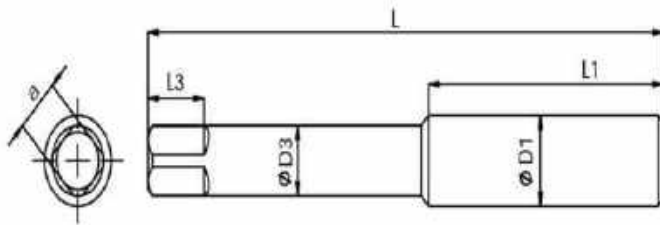
Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
Ø D1		L	L1	Ø D3	a	L3	Ø d1
3/4"	10	107.95	50.8	15	11.12	17.16	16.25
7/8"	9	119.06	56.4	17.71	13.18	18.75	19.25
1"	8	130.18	63.5	20.33	15.13	20.34	22
1.1/8"	7	137.8	65	22.79	16.96	21.7	24.75
1.1/4"	7	145.8	65	25.96	19.34	25.2	28
1.3/8"	6	153.8	76	28.17	20.99	26.7	31
1.1/2"	6	161.8	76	31.35	23.38	28.2	33.5
1.3/4"	5	177.8	81	36.35	27.12	31.7	39
2"	4.5	193.3	90.5	41.79	31.21	34.7	44.5



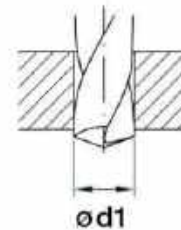
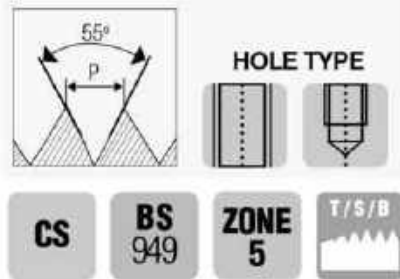
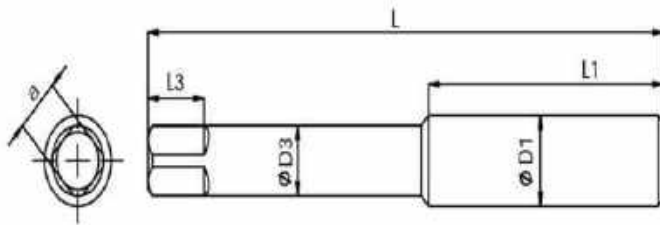
Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD1		L	L1	ØD3	a	L3	Ø d1
3/16"	32	63.15	26.6	4.8	3.69	6.05	4
7/32"	28	63.61	26.6	5.61	4.3	6.05	4.6
1/4"	26	67.27	30.7	6.43	4.91	6.84	5.3
9/32"	26	67.79	30.7	7.21	5.5	7.64	6.1
5/16"	22	69.85	30.5	8	6.06	8.43	6.8
3/8"	20	74.61	33.7	9.58	7.38	10.02	8.3
7/16"	18	80.17	36.5	8.2	6.06	10.02	9.7
1/2"	16	85.83	42.1	9.32	6.9	10.81	11.1
9/16"	16	91.28	42	10.91	8.07	12.4	12.7
5/8"	14	96.84	46	12.2	9.04	13.99	14
11/16"	14	102.4	46	13.78	10.19	15.58	15.5
3/4"	12	107.95	50.8	15	11.12	17.16	16.75
7/8"	11	119.06	56.4	17.71	13.18	18.75	19.75
1"	10	130.18	63.5	20.33	15.13	20.34	22.75
1.1/8"	9	137.8	65	22.79	16.96	21.7	25.5
1.1/4"	9	145.8	65	25.96	19.34	25.2	28.5
1.3/8"	8	153.8	76	28.17	20.99	26.7	31.5
1.1/2"	8	161.8	76	31.35	23.38	28.2	34.5



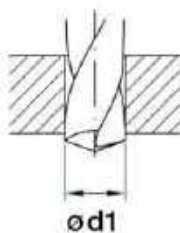
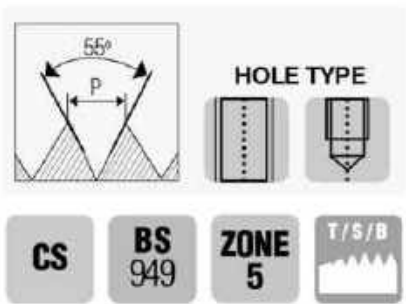
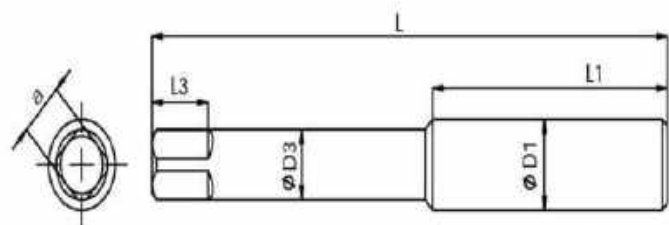
Unit : mm

Nominal Diameter	p	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
Ø D1		L	L1	Ø D3	a	L3	Ø d1
# 12	0.28	42.00	10.50	3.25	2.58	4.46	1.05
# 11	0.31	42.08	10.50	3.25	2.58	4.46	1.2
# 10	0.35	42.29	11.50	3.25	2.58	4.46	1.4
# 9	0.39	43.98	11.50	3.25	2.58	4.46	1.55
# 8	0.43	45.76	15.00	3.25	2.58	4.46	1.8
# 7	0.48	47.52	15.00	3.25	2.58	4.46	2.05
# 6	0.53	49.29	17.00	3.25	2.58	4.46	2.3
# 5	0.59	51.11	18.80	3.25	2.58	4.46	2.65
# 4	0.66	52.92	20.60	3.66	2.86	4.46	3
# 3	0.73	56.42	22.50	4.22	3.26	6.05	3.4
# 2	0.81	63.13	26.60	4.80	3.69	6.05	4
# 1	0.9	63.47	26.60	5.41	4.15	6.05	4.5
# 0	1	67.07	30.70	6.15	4.71	6.84	5.1



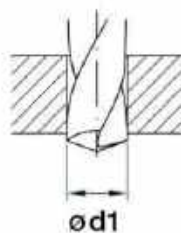
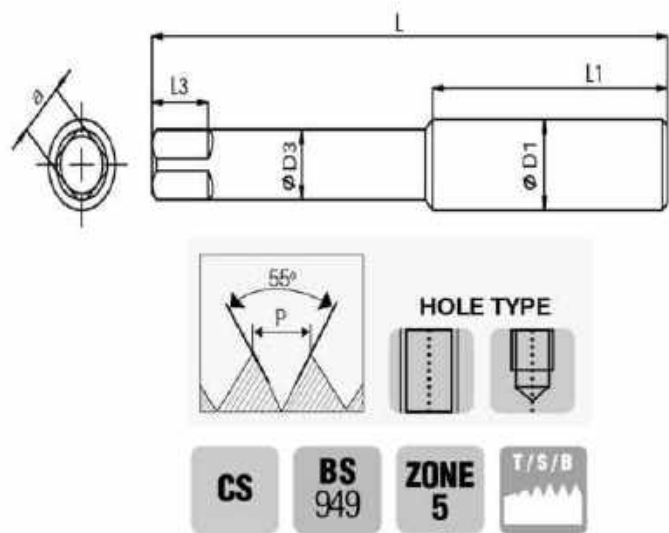
Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
Ø D1		L	L1	Ø D3	a	L3	Ø d1
1/4"	26	67.27	30.7	6.43	4.91	6.84	5.3
5/16"	26	69.85	30.5	8	6.06	8.43	6.9
3/8"	26	74.61	33.7	9.58	7.38	10.02	8.4
7/16"	26	76.2	31.75	8.2	6.06	10.02	9.9
1/2"	26	76.2	31.75	9.32	6.9	10.81	11.5
9/16"	26	76.2	31.75	10.91	8.07	12.4	13.1
5/8"	26	76.2	31.75	12.2	9.04	13.99	14.65
3/4"	26	82.55	38.1	15	11.12	17.16	17.86
1"	26	82.55	38.1	20.33	15.13	20.34	17.86



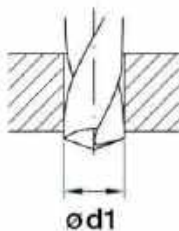
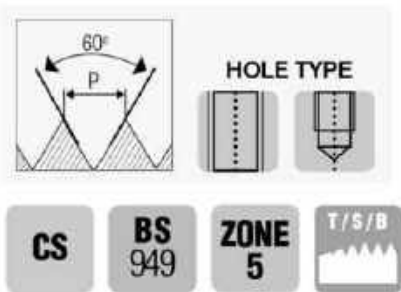
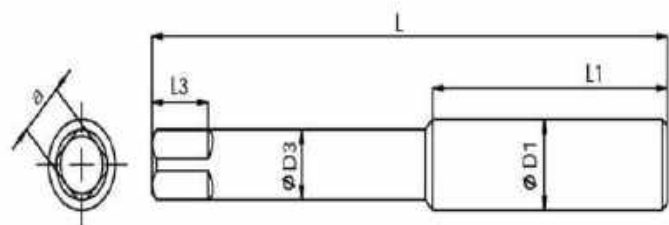
Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD1		L	L1	ØD3	a	L3	Ø d1
1/2"	18	76.2	31.75	9.32	6.9	10.81	11.1
5/8"	18	76.2	31.75	12.2	9.04	13.99	14
3/4"	16	82.55	38.1	15	11.12	17.16	17.5
1"	16	82.55	38.1	20.33	15.13	20.34	23.5



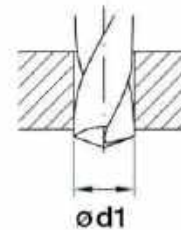
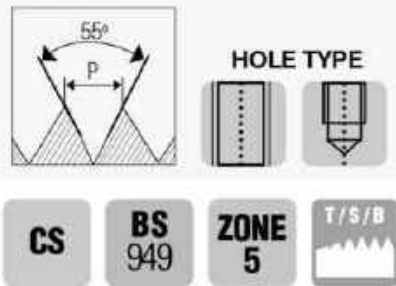
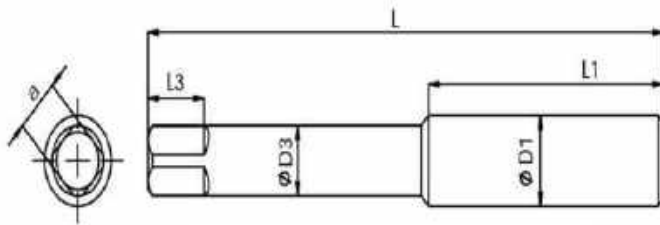
Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
$\varnothing D1$		L	L1	$\varnothing D3$	a	L3	$\varnothing d1$
1/8"	40	51.05	18.8	3.25	2.58	4.46	2.55
5/32"	40	56.34	22.5	4.04	3.03	6.05	3.25
3/16"	40	63.21	26.6	4.8	3.69	6.05	4.1
7/32"	40	63.73	26.6	5.61	4.3	6.05	4.9
1/4"	40	67.4	30.7	6.43	4.91	6.84	5.8
9/32"	32	67.87	30.7	7.21	5.5	7.64	6.1
5/16"	32	69.85	30.5	8	6.06	8.43	7.1
3/8"	32	74.61	33.7	9.58	7.38	10.02	8.6



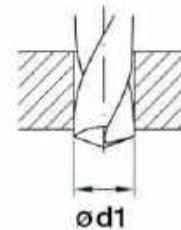
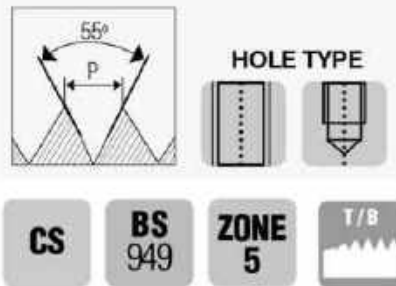
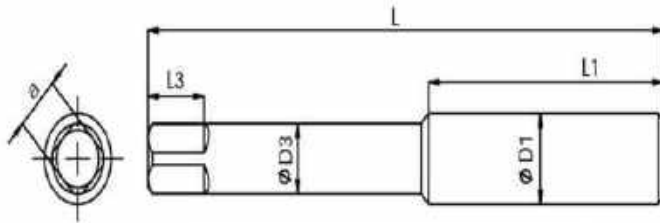
Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
Ø D1		L	L1	Ø D3	a	L3	Ø d1
3/16"	32	63.21	26.6	4.8	3.69	6.05	4.1
1/4"	26	67.36	30.7	6.43	4.91	6.84	5.6
5/16"	26	69.85	30.5	8	6.06	8.43	7.1
3/8"	26	74.61	33.7	9.58	7.38	10.02	8.7
7/16"	26	76.2	31.75	8.2	6.06	10.02	10.3
1/2"	26	76.2	31.75	9.32	6.9	10.81	11.9



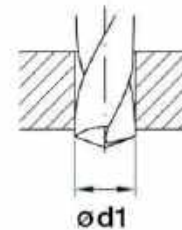
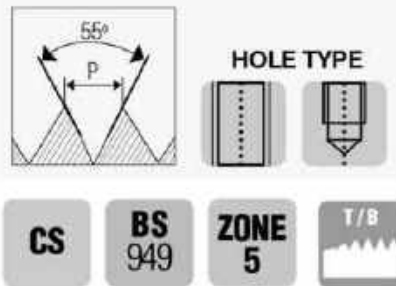
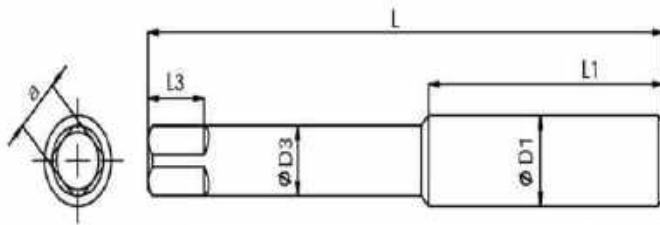
Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
Ø D1		L	L1	Ø D3	a	L3	Ø d1
3/16"	28	63.1	26.6	4.8	3.69	6.05	-
7/32"	32	63.73	26.6	5.61	4.3	6.05	-
1/4"	32	67.36	30.7	6.43	4.91	6.84	5.6
5/16"	40	69.85	30.5	8	6.06	8.43	7.3
3/8"	40	74.61	33.7	9.58	7.38	10.02	8.9
7/16"	40	76.2	31.75	8.2	6.06	10.02	-
7/16"	32	76.2	31.75	8.2	6.06	10.02	-
1/2"	40	76.2	31.75	9.32	6.9	10.81	-
1/2"	32	76.2	31.75	9.32	6.9	10.81	-
11/64"	40	62.95	26.60	4.80	3.76	6.35	-
11/64"	48	63	26.60	4.80	3.76	6.35	-
15/64"	28	67.04	30.70	6.15	4.78	7.14	-
15/64"	40	67.18	30.70	6.15	4.78	7.14	-



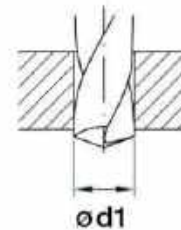
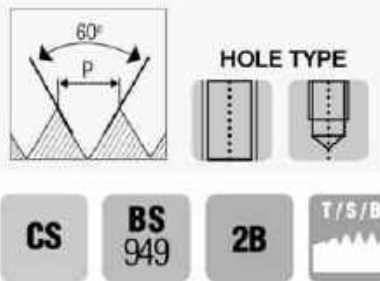
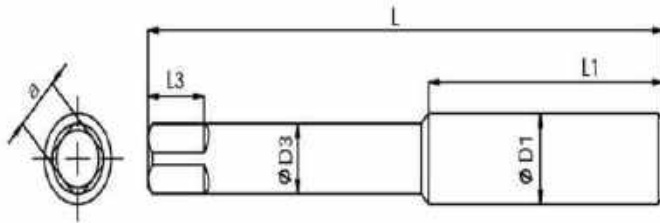
Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
Ø D1		L	L1	Ø D3	a	L3	Ø d1
1/8"	28	53.98	19.05	8.08	5.96	7.64	8.8
1/4"	19	61.91	26.99	10.91	8.07	10.81	11.8
3/8"	19	65.09	26.99	13.78	10.2	12.4	15.25
1/2"	14	79.38	34.92	17.46	12.97	15.58	19
5/8"	14	80.96	34.92	20.33	15.13	17.16	21
3/4"	14	82.55	34.92	22.99	17.14	17.16	24.5
7/8"	14	88.9	39.69	27.74	20.51	18.75	28.25
1"	11	95.25	44.45	28.56	21.3	20.34	30.75
1.1/4"	11	101.3	44.5	33.35	24.88	23.7	39.5
1.1/2"	11	107.8	44.5	38.13	28.46	25.2	45
1.3/4"	11	110.8	44.5	41.3	30.82	26.7	51
2"	11	114.3	44.5	47.65	35.54	28.2	57



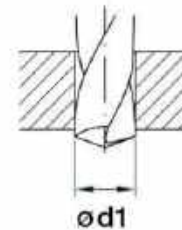
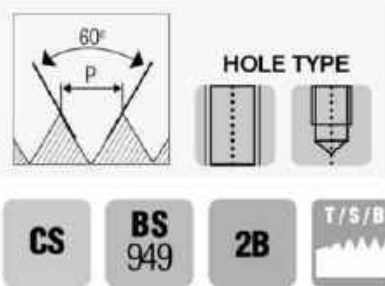
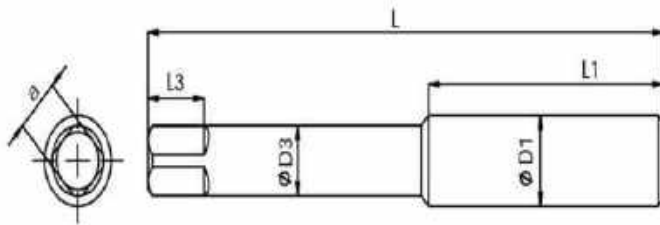
Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
Ø D1		L	L1	Ø D3	a	L3	Ø d1
1/8"	28	54	19.1	8.08	6.05	7.9	8.4
1/4"	19	61.9	27	10.9	8.18	11.1	11.5
3/8"	19	65.1	27	13.77	10.31	12.7	14.75
1/2"	14	79.4	34.9	17.45	13.08	15.9	18.25
5/8"	14	81	34.9	20.32	15.24	17.5	20.25
3/4"	14	82.6	34.9	23.01	17.25	17.5	23.4
1"	11	95.3	44.5	28.58	21.41	20.6	29.75
1.1/4"	11	101.6	44.5	33.32	24.99	23.8	38.1
1.1/2"	11	108	44.5	38.1	28.58	25.4	44.5
2"	11	114.3	44.5	47.63	35.71	28.6	56.4



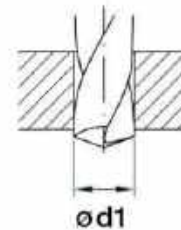
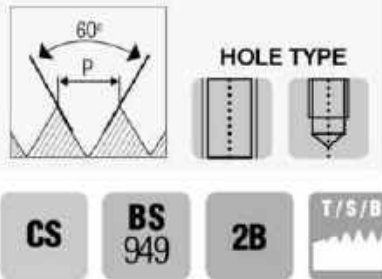
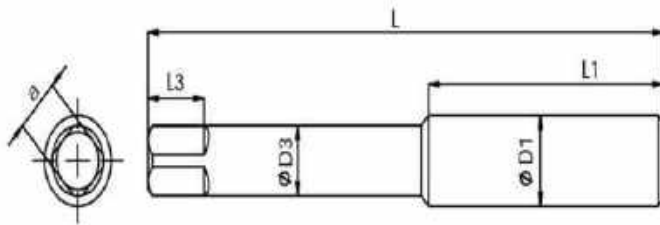
Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
Ø D1		L	L1	Ø D3	a	L3	Ø d1
# 4	40	49.26	17	3.58	2.7	4.46	2.35
# 5	40	51.04	18.8	3.58	2.7	4.46	2.65
# 6	32	52.79	20.6	3.58	2.7	4.46	2.85
# 8	32	56.39	22.5	4.27	3.24	6.05	3.5
# 10	24	63.07	26.6	4.93	3.77	6.05	3.9
# 12	24	63.5	28.5	5.61	4.1	6.84	4.5
1/4"	20	67.15	30.7	6.48	4.76	7.64	5.1
5/16"	18	73.68	35.2	8.08	5.96	9.23	6.6
3/8"	16	74.61	33.7	9.68	7.17	10.81	8
7/16"	14	80.17	36.5	8.2	6.06	10.02	9.4
1/2"	13	85.83	42.1	9.32	6.9	10.81	10.8
9/16"	12	91.28	42	10.91	8.07	12.4	12.2
5/8"	11	96.84	46	12.2	9.04	13.99	13.5
3/4"	10	107.95	50.8	15	11.12	17.16	16.5
7/8"	9	119.06	56.4	17.71	13.18	18.75	19.5
1"	8	130.18	63.5	20.33	15.13	20.34	22.25
1.1/8"	7	137.8	65	22.79	16.96	21.7	25
1.1/4"	7	145.8	65	25.96	19.34	25.2	28
1.3/8"	6	153.8	76	28.17	20.99	26.7	30.75
1.1/2"	6	161.8	76	31.35	23.38	28.2	34
1.3/4"	5	177.8	81	36.35	27.12	31.7	39.5
2"	4 1/2	193.7	90.5	41.79	31.21	34.7	45



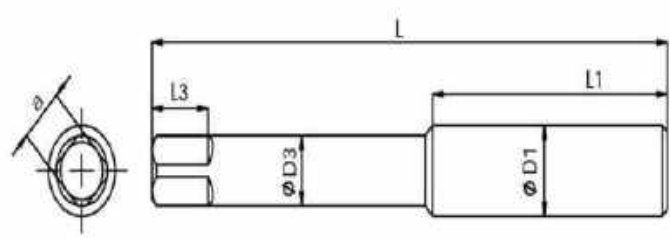
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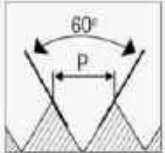
Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD1		L	L1	ØD3	a	L3	Ød1
# 5	44	51.06	18.8	3.58	2.7	4.46	2.7
# 6	40	52.85	20.6	3.58	2.7	4.46	2.95
# 8	36	56.43	22.5	4.27	3.24	6.05	3.5
# 10	32	63.17	26.6	4.93	3.77	6.05	4.1
# 12	28	63.56	28.5	5.61	4.1	6.84	4.7
1/8"	44	51.06	18.8	3.58	2.7	4.46	-
5/32"	36	63.13	22.5	4.27	3.24	6.05	-
3/16"	32	63.13	26.6	4.93	3.77	6.05	-
1/4"	28	67.28	30.7	6.48	4.76	7.64	5.5
5/16"	24	73.82	35.2	8.08	5.96	9.23	6.9
3/8"	24	74.61	33.7	9.68	7.17	10.81	8.5
7/16"	20	80.17	36.5	8.2	6.06	10.02	9.9
1/2"	20	85.83	42.1	9.32	6.9	10.81	11.5
9/16"	18	91.28	42	10.91	8.07	12.4	12.9
5/8"	18	96.84	46	12.2	9.04	13.99	14.5
3/4"	16	107.95	50.8	15	11.12	17.16	17.5



Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
Ø D1		L	L1	Ø D3	a	L3	Ø d1
7/8"	14	119.06	56.4	17.71	13.18	18.75	20.4
1"	12	130.18	63.5	20.33	15.13	20.34	23.25
1.1/8"	12	137.8	65	22.79	16.96	21.7	26.5
1.1/4"	12	145.8	65	25.96	19.34	25.2	29.5
1.3/8"	12	153.8	76	28.17	20.99	26.7	32.75
1.1/2"	12	161.8	76	31.35	23.38	28.2	36





60°
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HOLE TYPE

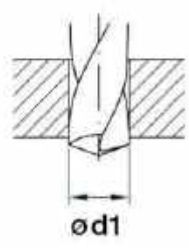


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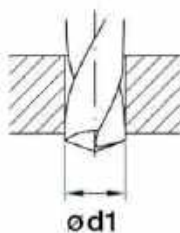
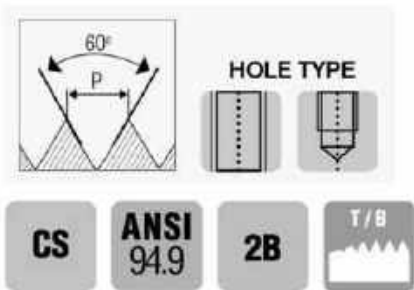
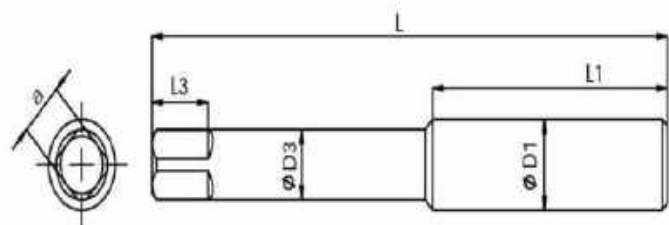
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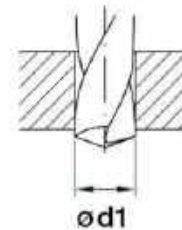
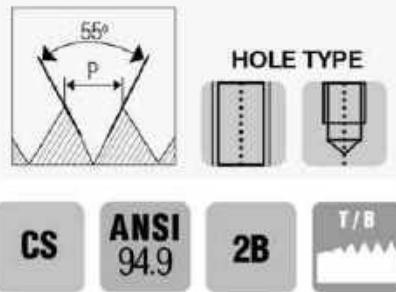
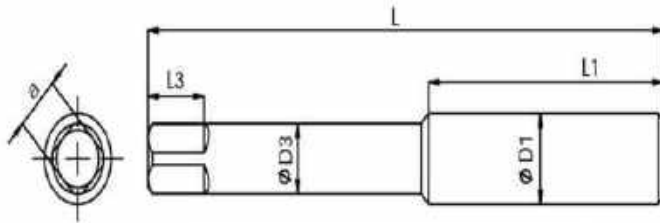
Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD		L	L1	ØD3	a	L3	Ød1
1/8"	27	54	19.1	8.08	6.05	7.9	8.7
1/4"	18	61.9	27	10.9	8.18	11.1	11.1
3/8"	18	65.1	27	13.77	10.31	12.7	14.7
1/2"	14	79.4	34.9	17.45	13.08	15.9	17.9
3/4"	14	82.6	34.9	23.01	17.25	17.5	23.4
1"	11.1/2	95.3	44.5	28.58	21.41	20.6	29.4
1.1/4"	11.1/2	101.6	44.5	33.32	24.99	23.8	38.1
1.1/2"	11.1/2	108	44.5	38.1	28.58	25.4	44
2"	11.1/2	114.3	44.5	47.63	35.71	28.6	56.4



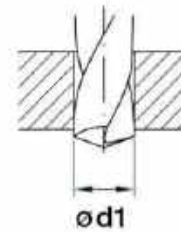
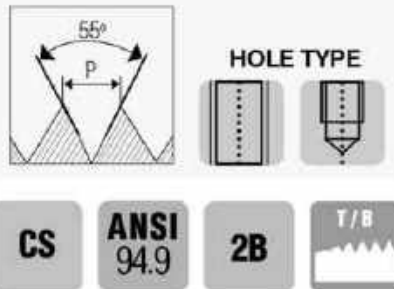
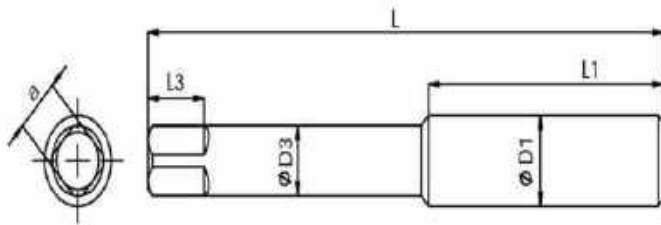
Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
ØD1		L	L1	ØD3	a	L3	Ø d1
1/8"	27	53.97	19.05	8.08	5.96	7.64	9.1
1/4"	18	61.91	26.98	10.91	8.07	10.81	11.9
3/8"	18	65.09	26.99	13.78	10.2	12.4	15.25
1/2"	14	79.38	34.92	17.46	12.97	15.58	19
3/4"	14	82.55	34.92	22.99	17.14	17.16	27
1"	11.5	95.25	44.45	28.56	21.3	20.34	30.5



Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
Ø D1		L	L1	Ø D3	a	L3	Ø d1
1/8"	40	51.04	18.8	3.58	2.7	4.46	-
5/32"	32	56.26	22.5	4.27	3.24	6.05	3.6
5/32"	36	56.31	22.5	4.27	3.24	6.05	3.65
7/32"	24	63.55	28.5	5.61	4.1	6.84	-
7/32"	28	63.65	28.5	5.61	4.1	6.84	-
7/32"	32	63.65	28.5	5.61	4.1	6.84	-
3/16"	24	63.03	26.6	4.93	3.77	6.05	4.25
3/16"	32	63.13	26.6	4.93	3.77	6.05	4.4
1/4"	20	67.01	30.7	6.48	4.76	7.64	-
1/4"	24	67.23	30.7	6.48	4.76	7.64	-
1/4"	32	67.34	30.7	6.48	4.76	7.64	-
5/16"	32	73.68	35.2	8.08	5.96	10.02	7.5
11/16"	11	102.4	46	13.78	10.2	15.58	16.4
11/16"	16	102.4	46	13.78	10.2	15.58	16.7
7/8"	12	119.06	56.4	17.71	13.18	18.75	-
7/8"	18	119.06	56.4	17.71	13.18	18.75	-
1"	14	130.18	63.5	20.33	15.13	20.34	24.6
1-1/8"	8	137.8	65	22.79	16.96	21.7	-



Unit : mm

Nominal Diameter	TPI	Overall Length	Thread Length	Shank Diameter	Square Size	Square Length	Tapping Drill Diameter
Ø D1		L	L1	Ø D3	a	L3	Ø d1
1-1/4"	8	145.8	65	25.96	19.34	25.2	-
1-3/8"	8	153.8	76	28.17	20.99	26.7	-
1-1/2"	8	161.8	76	31.35	23.38	28.2	-
1-5/8"	8	169.8	81	33.18	24.75	28.2	-
1-3/4"	8	177.8	81	36.35	27.12	31.7	-
1-3/4"	12	177.8	81	36.35	27.12	31.7	-
1-7/8"	8	185.3	90.5	38.61	28.82	31.7	-
2"	8	193.3	90.5	41.79	31.21	34.7	-
2"	12	193.3	90.5	41.79	31.21	34.7	-

25 PC. – Spiral Point Plug Taps & Hex Dies

Set contains:

- HSS spiral point taps & HSS hex dies sizes: 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13 & 1/2-20
- HSS pipe tap and hex die size: 1/8-27 NPT.
- T-Handle tap wrench: 3/16" - 1/2"

24 PC. – Spiral Point Taps & Hex Dies – METRIC

Set contains:

- HSS spiral point taps & HSS hex dies sizes: 3.0-.50, 3.5-.60, 4.0-.70, 5.0-.80 6.0-1.00, 8.0-1.25, 10.0-1.50 & 12.0-1.75
- HSS pipe tap and hex die size: 1/8-27 NPT
- T-Handle tap wrenches: 0 - 1/4" & 3/16" - 1/2"
- Straight handle tap wrench: #4 - 1/2"

15 PC. – Spiral Point Plug Taps & Hex Dies

Set contains:

- HSS spiral point taps & HSS hex dies sizes: 6-32, 8-32, 10-24, 10-32, 12-24 & 1/4-20
- T-Handle tap wrench: 0 - 1/4"
- Economy die stock & Screw pitch gauge

14 PC. – Spiral Point Taps & Hex Dies – METRIC

Set contains:

- HSS spiral point taps sizes: 2.5-.45, 3.0-.50, 3.5-.60, 4.0-.70, 5.0-.80 & 6.0-1.00.
- HSS hex dies sizes: 3.0-.50, 3.5-.60, 4.0-.70, 5.0-.80 & 6.0-1.00.
- T-Handle tap wrench: 0 - 1/4",



58 pc. – Straight Flute Plug Taps & Hex Dies

Set contains:

- HSS straight flute taps & HSS hex dies sizes: 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13, 1/2-20, 9/16-12, 9/16-18, 5/8-11, 5/8-18, 3/4-10, 3/4-16, 1/8-27NPT & 1/4-18NPT
- Straight handle tap wrenches: #4-1/2" & 1/4" - 3/4"
 - Die stocks: MED R/H & 1" R/H
 - T-handle tap wrench: 0 - 1/4"
 - Screw pitch gauge

40 pc. – Straight Flute Plug Taps & Hex Dies

Set contains:

- HSS straight flute taps & HSS hex dies sizes: 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13 & 1/2-20.
- HSS pipe tap and hex die size: 1/8-27 NPT
 - T-Handle tap wrenches: 0 - 1/4" & 3/16" - 1/2"
 - Straight handle tap wrench: #4 - 1/2"
 - Die stock, Screw pitch gauge & Screw driver



40 pc. – Spiral point Plug Taps & Hex Dies

Set contains:

- HSS spiral point taps & HSS hex dies sizes: 4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20, 1/2-13 & 1/2-20
- HSS pipe tap and hex die size: 1/8-27 NPT
- T-Handle tap wrenches: 0 - 1/4" & 3/16" - 1/2"
 - Straight handle tap wrench: #4 - 1/2"
- Die stock, Screw pitch gauge & Screw driver



14pc. Carbon Steel Fractional NC with Hex Die Set

Set contains:

- Carbon steel plug taps and hex dies sizes:
1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 1/8-27 NPT Pipe
- T-Handle Tap Wrench: 3/16 to 1/2

14pc. Carbon Steel Fractional NF with Hex Die Set

Set contains:

- Carbon steel plug taps and hex dies sizes:
1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20, 1/8-27 NPT Pipe
- T-Handle Tap Wrench: 3/16 to 1/2

14pc. Hi-Carbon Steel Fractional NC with Round Die Set

Set contains:

- Carbon steel plug taps and round dies sizes:
1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 1/8-27 NPT Pipe
- T-Handle Tap Wrench: 3/16 to 1/2

14 Piece Carbon Steel Fractional NF with Round Die Set

Set contains:

- Carbon steel plug taps and round dies sizes:
1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20, 1/8-27 NPT Pipe
- T-Handle Tap Wrench: 3/16 to 1/2

16pc. Carbon Steel Metric with Hex Die Set

Set contains:

- Carbon steel plug taps and hex dies sizes:
4mm x 0.70, 5mm x 0.80, 6mm x 1.00, 8mm x 1.25,
10mm x 1.25, 10mm x 1.50, 12mm x 1.50
- T-Handle Tap Wrench: 3/16 to 1/2

16pc. Carbon Steel Fractional NC Hex Die Set

Set contains:

- Carbon steel plug taps and hex dies sizes:
4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20
- T-Handle Tap Wrench: 0 to 1/4

16 Piece Carbon Steel Fractional NC Round Die Set

Set contains:

- Carbon steel plug taps and round dies sizes:
4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20
- T-Handle Tap Wrench: 0 to 1/4



24PC / 37PC CARBON TAP & DIE SETS

Professional Quality

- Made of high carbon tool steel.
- Plug taps are furnished in all sets.
- Dies are available in round and hexagon styles

24pc. Carbon Steel Fractional Tap NC,NF Hex Die Set

Set contains:

- Carbon steel plug taps and hex dies sizes:
1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24,
7/16-14, 7/16-20, 1/2-13, 1/2-20, 1/8-27 NPT Pipe
- T-Handle Tap Wrench: 3/16 to 1/2
- Economy die stock

24pc. Carbon Steel Fractional Tap NC,NF Round Die Set

Set contains:

- Carbon steel plug taps and round dies sizes:
1/4-20, 1/4-28, 5/16-18, 5/16-24, 3/8-16, 3/8-24,
7/16-14, 7/16-20, 1/2-13, 1/2-20, 1/8-27 NPT Pipe
- T-Handle Tap Wrench: 3/16 to 1/2
- Economy die stock



37pc. Carbon Steel Machine Screw & Fractional Tap NC, NF - with Round Die Set

Set contains:

- Carbon steel plug taps and round dies sizes:
4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28,
5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20,
1/2-13, 1/2-20, 1/8-27 NPT Pipe
- T-Handle Tap Wrench: 0 to 1/4 & 3/16 to 1/2
- Economy die stock

37pc. Carbon Steel Master Metric with Hex Die Set

Set contains:

- Carbon steel plug taps and hex dies sizes:
3mm x 0.50, 3mm x 0.60, 4mm x 0.70, 4mm x 0.75,
5mm x 0.80, 5mm x 0.90, 6mm x 1.00, 7mm x 1.00,
8mm x 1.25, 9mm x 1.00, 9mm x 1.25, 10mm x 1.25,
10mm x 1.50, 11mm x 1.50, 12mm x 1.50, 12mm x 1.75,
1/8-27 NPT Pipe
- T-Handle Tap Wrench: 0 to 1/4 & 3/16 to 1/2

37pc. Carbon Steel Machine Screw & Fractional NC, NF with Hex Die Set

Set contains:

- Carbon steel plug taps and hex dies sizes:
4-40, 6-32, 8-32, 10-24, 10-32, 12-24, 1/4-20, 1/4-28,
5/16-18, 5/16-24, 3/8-16, 3/8-24, 7/16-14, 7/16-20,
1/2-13, 1/2-20, 1/8-27 NPT Pipe
- T-Handle Tap Wrench: 0 to 1/4 & 3/16 to 1/2

HSS 40 PC TAP AND HEX DIE SET

DESCRIPTION	STEEL		THREAD
	SPEC	CUT	TYPE
40 PC Tap and Hex Die Set in plastic case. Each set contains one each NC and NF Plug Tap and Hexagon Die. Sizes are listed below. Set also includes 1/8-27 NPT Pipe Tap and 6 threading tools.	CS	Right Hand	NC, NF NPT
	HSS	Right Hand	NC, NF NPT

SIZES OF TAPS AND HEX DIES IN SET			
NC (Coarse) #4-40, #6-32, #8-32, #10-24, #12-24, 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13			
NF (Fine) #10-32, 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20			
NPT (Regular Taper) 1/8-27			
THREADING TOOLS IN SET			
Adjustable Die Stock - 1" round or hex		T-Handle Tap Wrench - #0 to 1/4"	
Adjustable Tap Wrench - #4 to 1/2"		T-Handle Tap Wrench - 1/4" to 1/2"	
Screw Pitch Gauge - Fractional		#5 Screwdriver	



HSS 40 PC METRIC TAP AND HEX DIE SET

DESCRIPTION	STEEL		THREAD
	SPEC	CUT	TYPE
40 PC Tap and Hex Die Set in plastic case. Each set contains one each NC and NF Plug Tap and Hexagon Die. Sizes are listed below. Set also includes 1/8-28 BSPT Pipe Tap and 6 threading tools.	CS	Right Hand	NC, NF BSPT

SIZES OF TAPS AND HEX DIES IN SET			
NC (Coarse) M3.0 x .50, M4.0 x .70, M5.0 x .80, M6.0 x 1.0, M7.0 x 1.0, M8.0 x 1.25			
M9.0 x 1.25, M10.0 x 1.50, M11.0 x 1.50, M12.0 x 1.75			
NF (Fine) M3.0 x .60, M4.0 x .75, M5.0 x .90, M9.0 x 1.00, M10.0 x 1.25, M12.0 x 1.50			
BSPT (British Standard) 1/8-28			
THREADING TOOLS IN SET			
Adjustable Die Stock - 1" round or hex		T-Handle Tap Wrench - M3 to M6	
Adjustable Tap Wrench - M3 to M12		T-Handle Tap Wrench - M6 to M12	
Screw Pitch Gauge - Metric		#5 Screwdriver	



58 PC TAP AND HEX DIE SETS

DESCRIPTION	STEEL SPEC	CUT	THREAD TYPE
Each set contains one each NC and NF Plug Tap and Hexagon Die in your choice of either Carbon Steel, High Speed Steel, or a combination (High Speed Steel Taps and Carbon Steel Hexagon Dies).	CS	Right Hand	NC, NF NPT
	HSS	Right Hand	NC, NF NPT
	HSS & CS	Right Hand	NC, NF NPT
SIZES OF TAPS AND HEX DIES IN SET			
NC (Coarse) #6-32, #8-32, #10-24, #12-24, 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 9/16-12, 5/8-11, 3/4-10 NF (Fine) #10-32, 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20, 9/16-18, 5/8-18, 3/4-16 NPT (Regular Taper) 1/8-27, 1/4-18			
THREADING TOOLS IN SET			
Adjustable Tap Wrench - #4 to 1/2"		T-Handle Tap Wrench - #0 - 1/4"	
Adjustable Tap Wrench - 1/4 to 3/4"		Screw Pitch Gauge - Fractional	
Die Stock - 1" Round or Hex		Screwdriver - 1/8" x 2-1/4" Pocket Clip	
Die Stock - 1-1/2" Round or 1-7/16" Hex		Screw Extractors - Spiral Flute -#1 to 5	



65 PC TAP AND HEX DIE SETS

DESCRIPTION	STEEL SPEC	CUT	THREAD TYPE
Each set contains one each NC and NF Plug Tap and Hexagon Die in your choice of either Carbon Steel, High Speed Steel, or a combination (High Speed Steel Taps and Carbon Steel Hexagon Dies).	CS	Right Hand	NC, NF NPT
	HSS	Right Hand	NC, NF NPT
	HSS & CS	Right Hand	NC, NF NPT
SIZES OF TAPS AND HEX DIES IN SET			
NC (Coarse) #4-40, #6-32, #8-32, #10-24, #12-24, 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 9/16-12, 5/8-11, 3/4-10, *7/8-9, *1-8 NF (Fine) #10-32, 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20, 9/16-18, 5/8-18, 3/4-16, *7/8-14, *1-14 NPT (Regular Taper) 1/8-27, 1/4-18			
THREADING TOOLS IN SET			
Adjustable Tap Wrench - #4 to 1/2"		Die Stock - 1-7/8" Hex	
Adjustable Tap Wrench - 1/4 to 3/4"		T-Handle Tap Wrench - #0 - 1/4"	
Adjustable Tap Wrench - 1/2 to 1-1/8"		Screw Pitch Gauge - Fractional	
Die Stock - 1" Round or Hex		Screwdriver - 1/8" x 2-1/4" Pocket Clip	
Die Stock - 1-1/2" Round or 1-7/16" Hex			



CARBON DIE SETS



Set	Contents	Pieces
Metric	5 x 0.8, 6 x 1, 8 x 1, 8 x 1.25, 9 x 1.25, 10 x 1, 10 x 1.25, 10 x 1.5, 12 x 1.75, 12 x 1.5, 14 x 1.5, 14 x 2, 16 x 1.5, 16 x 2, 18 x 1.5, 20 x 1.5mm	16
BSW	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	10
UNC	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	10
UNF	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	10



Metric



BSW



UNC



UNF



HEXAGON RETHREADING DIE SETS

DESCRIPTION	CUT	THREAD TYPE
5 PC Hex Die Set in a hinged wooden case. Contents of NC, NF, and Metric sets are listed below. (Specify style required.)	Right Hand	Coarse
	Right Hand	Fine
	Left Hand	Coarse
	Left Hand	Fine
	Right Hand	Metric

SIZES OF DIES IN 5 PC SET

NC (Coarse) 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13

NF (Fine) 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20

M (Metric) M6.0 x 1.0, M8.0 x 1.25, M10.0 x 1.5, M12.0 x 1.75, M14.0 x 2.0

8 PC Hex Die Set in a hinged wooden case. Contents of NC, NF, and Metric sets are listed below. (Specify style required.)	Right Hand	Coarse
	Right Hand	Fine
	Left Hand	Coarse
	Left Hand	Fine
	Right Hand	Metric

SIZES OF DIES IN 8 PC SET

NC (Coarse) 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 9/16-12, 5/8-11, 3/4-10

NF (Fine) 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20, 9/16-18, 5/8-18, 3/4-16

M (Metric) M6.0 x 1.0, M8.0 x 1.25, M10.0 x 1.5, M12.0 x 1.75, M14.0 x 2.0, M16.0 x 2.0, M18.0 x 2.5, M20.0 x 2.5

10 PC Hex Die Set in a hinged wooden case. Contents of NC, NF, and Metric sets are listed below. (Specify style required.)	Right Hand	Coarse
	Right Hand	Fine
	Left Hand	Coarse
	Left Hand	Fine
	Right Hand	Metric

SIZES OF DIES IN 10 PC SET

NC (Coarse) 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-13, 9/16-12, 5/8-11, 3/4-10, 7/8-9, 1-8

NF (Fine) 1/4-28, 5/16-24, 3/8-24, 7/16-20, 1/2-20, 9/16-18, 5/8-11, 3/4-16, 7/8-14, 1-14

M (Metric) M6.0 x 1.0, M8.0 x 1.25, M10.0 x 1.5, M12.0 x 1.75, M14.0 x 2.0, M16.0 x 2.0, M18.0 x 2.5, M20.0 x 2.5, M22.0 x 2.5, M24.0 x 3.0

4 PC Hex Die Set in a hinged wooden case. Contents of NC, NF, and Metric sets are listed below. (Specify style required.)	Right Hand	Coarse
	Right Hand	Fine
	Left Hand	Coarse
	Left Hand	Fine
	Right Hand	Metric

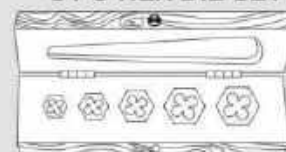
SIZES OF DIES IN 4 PC SET

NC (Coarse) 1-1/8-7, 1-1/4-7, 1-3/8-6, 1-1/2-6

NF (Fine) 1-1/8-12, 1-1/4-12, 1-3/8-12, 1-1/2-12

M (Metric) M27.0 x 3.0, M30.0 x 3.5, M33.0 x 3.5, M36.0 x 4.0

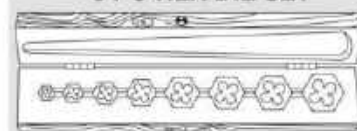
5 PC HEX DIE SET



SIZES:

1/4 to 1/2 or M6 to M14

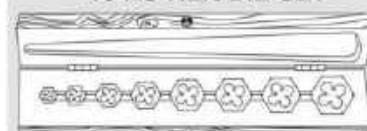
8 PC HEX DIE SET



SIZES:

1/4 to 3/4 or M6 to M20

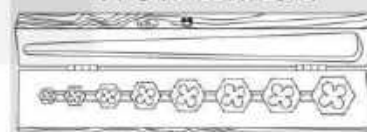
10 PC HEX DIE SET



SIZES:

1/4 to 1 or M6 to M24

4 PC HEX DIE SET



SIZES:

1-1/8 to 1-1/2 or M27 to M36

HEXAGON RETHREADING PIPE DIE SET

DESCRIPTION	CUT	THREAD TYPE
6 PC Hex Pipe NPT Dies in a hinged wooden case. Contents of NPT set is listed below. wt. 5lbs.	Taper	Regular
SIZES OF DIES IN 6 PC SET		
NPT (Regular Taper) 1/8-27, 1/4-18, 3/8-18, 1/2-14, 3/4-14, 1-11-1/2		



12 PC PIPE TAP AND HEXAGON DIE SETS

DESCRIPTION	CUT
Each set contains one each NPT Pipe Tap & Hex Die in your choice of either carbon steel, high speed steel or a combination of high speed steel taps and carbon steel hex dies.	Right Hand
	Right Hand
	Right Hand
SIZES OF NPT PIPE TAPS & HEX DIES	
1/8 - 27, 1/4 - 18, 3/8 - 18, 1/2 - 14, 3/4 - 14, 1 - 11-1/2	

12 PC NPT
PIPE TAP & HEX DIE SET



Sizes: 1/8" - 1"

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