

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓ _n	ℓ _s	D _s	K	ℓ _k

1

DIN

Spiral Fluted Taps
(for blind hole) ①

Spiral Fluted Taps
(for through hole) ②

Spiral Pointed Taps
(for through hole) ③

Hand Taps ④

Cemented Carbide Taps ⑤

Roll Taps ⑥

Special Thread Taps
Simple Inspection Tools ⑦

Pipe Taps ⑧

Thread Mills
Premium Thread Mills ⑨

Dies ⑩

Center Drills
Centering Tools ⑪

Precision Machinery/
Medical Surgical Instruments ⑫

DIN

①-158

DIN

LO-SP OX

Low Spiral Fluted Taps, Oxidized



Specification

HSS

OX

Oxide



■ Spiral flutes with low helix can break down chips and can eject them smoothly. Suitable for thermal refined high carbon steels and alloy tool steels. Effective in horizontal tapping.

Tapping Speeds depending on Materials

Medium carbon steels

中炭素鋼

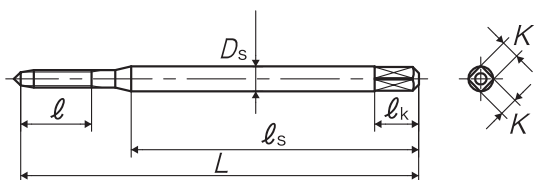
5~10
(m/min)

High carbon steels

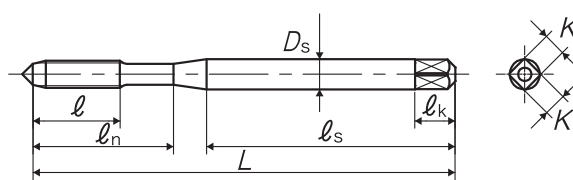
高炭素鋼

5~10
(m/min)

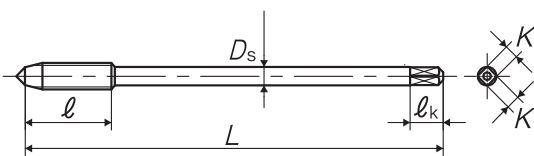
TYPE: 1



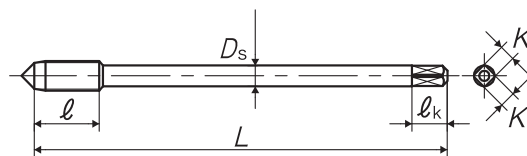
TYPE: 2



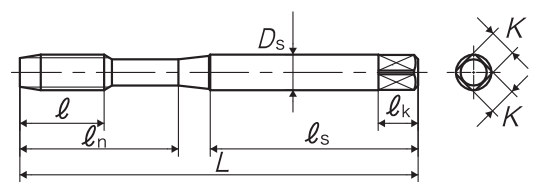
TYPE: 3



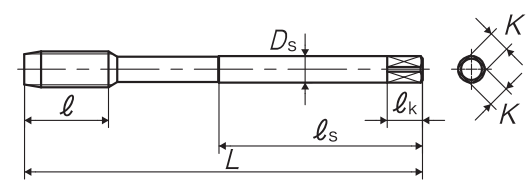
TYPE: 4



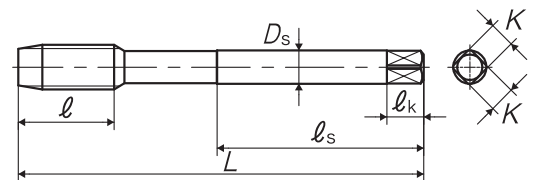
TYPE: 5



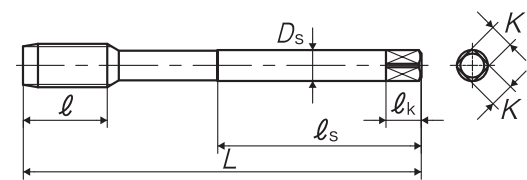
TYPE: 6



TYPE: 7



TYPE: 8



1 Spiral Fluted Tap Series for blind hole

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓn	ℓs	Ds	K	ℓk

DIN

LO-SP OX Low Spiral Fluted Taps, Oxidized

Segment : 1D (G=1H)

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE
For Metric Threads												
M2 × 0.4	ISO2	SD2.0EANEXH	3.5P	45	8	-	32	2.8	2.1	5	2	1
M2.5 × 0.45	ISO2	SD2.5FANEXH	3.5P	50	8	15	33	2.8	2.1	5	2	2
M2.6 × 0.45	ISO2	SD2.6FANEXH	3.5P	50	8	15	33	2.8	2.1	5	2	2
M3 × 0.5	ISO2	SD3.0GANEXH	3.5P	56	9	18	34	3.5	2.7	6	2	2
M3 × 0.5	ISO3	SD3.0GMNEXH	3.5P	56	9	18	34	3.5	2.7	6	2	2
M4 × 0.7	ISO2	SD4.0IANEXH	3.5P	63	13	21	38	4.5	3.4	6	3	2
M4 × 0.7	ISO2	SG4.0IANEXH	3.5P	63	13	-	-	2.8	2.1	5	3	3
M4 × 0.7	ISO3	SD4.0IMNEXH	3.5P	63	13	21	38	4.5	3.4	6	3	2
M5 × 0.8	ISO2	SD5.0KANEXH	3.5P	70	14	25	39	6	4.9	8	3	2
M5 × 0.8	ISO2	SG5.0KANEXH	3.5P	70	14	-	-	3.5	2.7	6	3	3
M5 × 0.8	ISO3	SD5.0KMNEXH	3.5P	70	14	25	39	6	4.9	8	3	2
M5 × 0.5	ISO2	SM5.0GANEXH	3.5P	70	11	-	-	3.5	2.7	6	3	4
M6 × 1	ISO2	SD6.0MANEXH	3.5P	80	15	30	45	6	4.9	8	3	2
M6 × 1	ISO2	SG6.0MANEXH	3.5P	80	15	-	-	4.5	3.4	6	3	3
M6 × 1	ISO3	SD6.0MMNEXH	3.5P	80	15	30	45	6	4.9	8	3	2
M6 × 0.75	ISO2	SM6.0JANEXH	3.5P	80	13	-	-	4.5	3.4	6	3	4
M7 × 1	ISO2	SD7.0MANEXH	3.5P	80	15	30	45	7	5.5	8	3	5
M8 × 1.25	ISO2	SD8.0NANEXH	3.5P	90	19	35	47	8	6.2	9	3	5
M8 × 1.25	ISO2	SG8.0NANEXH	3.5P	90	19	-	46	6	4.9	8	3	6
M8 × 1.25	ISO3	SD8.0NMNEXH	3.5P	90	19	35	47	8	6.2	9	3	5
M8 × 1	ISO2	SM8.0MANEXH	3.5P	90	19	-	46	6	4.9	8	3	7
M8 × 0.75	ISO2	SM8.0JANEXH	3.5P	80	19	-	41	6	4.9	8	3	7
M10 × 1.5	ISO2	SD010OANEXH	3.5P	100	23	39	52.5	10	8	11	3	5
M10 × 1.5	ISO2	SG010OANEXH	3.5P	100	23	-	51	7	5.5	8	3	6
M10 × 1.5	ISO3	SD010OMNEXH	3.5P	100	23	39	52.5	10	8	11	3	5
M10 × 1.25	ISO2	SM010NANEXH	3.5P	100	23	-	51	7	5.5	8	3	7
M10 × 1	ISO2	SM010MANEXH	3.5P	90	19	-	46	7	5.5	8	3	7
M10 × 0.75	ISO2	SM010JANEXH	3.5P	90	19	-	46	7	5.5	8	3	7
M12 × 1.75	ISO2	SG012PANEXH	3.5P	110	26	-	56	9	7	10	3	6
M12 × 1.75	ISO3	SG012PMNEXH	3.5P	110	26	-	56	9	7	10	3	6
M12 × 1.5	ISO2	SM012OANEXH	3.5P	100	21	-	51	9	7	10	3	7
M12 × 1.25	ISO2	SM012NANEXH	3.5P	100	21	-	51	9	7	10	3	7
M12 × 1	ISO2	SM012MANEXH	3.5P	100	21	-	51	9	7	10	3	7
M14 × 2	ISO2	SG014QANEXH	3.5P	110	26	-	56	11	9	12	3	6
M14 × 2	ISO3	SG014QMNEXH	3.5P	110	26	-	56	11	9	12	3	6
M14 × 1.5	ISO2	SM014OANEXH	3.5P	100	21	-	51	11	9	12	3	7
M14 × 1	ISO2	SM014MANEXH	3.5P	100	21	-	51	11	9	12	3	7
M16 × 2	ISO2	SG016QANEXH	3.5P	110	26	-	56	12	9	12	3	6
M16 × 2	ISO3	SG016QMNEXH	3.5P	110	26	-	56	12	9	12	3	6
M16 × 1.5	ISO2	SM016OANEXH	3.5P	100	21	-	51	12	9	12	3	7
M16 × 1	ISO2	SM016MANEXH	3.5P	100	21	-	51	12	9	12	3	7
M18 × 2.5	ISO2	SG018RANEXH	3.5P	125	33	-	64	14	11	14	4	6
M18 × 1.5	ISO2	SM018OANEXH	3.5P	110	24	-	56	14	11	14	4	7
M20 × 2.5	ISO2	SG020RANEXH	3.5P	140	33	-	71	16	12	15	4	6
M20 × 2	ISO2	SM020QANEXH	3.5P	140	33	-	71	16	12	15	4	7
M20 × 1.5	ISO2	SM020OANEXH	3.5P	125	24	-	64	16	12	15	4	7
M20 × 1	ISO2	SM020MANEXH	3.5P	125	24	-	64	16	12	15	4	7
M22 × 2.5	ISO2	SG022RANEXH	3.5P	140	33	-	71	18	14.5	17	4	6
M22 × 1.5	ISO2	SM022OANEXH	3.5P	125	24	-	64	18	14.5	17	4	7

DIN



· This product is different from JIS products in shape and dimensions, please be careful when using.

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓn	ℓs	Ds	K	ℓk

LO-SP OX Low Spiral Fluted Taps, Oxidized

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE
M22 × 1	ISO2	SM022MANEXH	3.5P	125	24	-	64	18	14.5	17	4	7
M24 × 3	ISO2	SG024SANEXH	3.5P	160	37	-	82	18	14.5	17	4	6
M24 × 2	ISO2	SM024QANEXH	3.5P	140	27	-	71	18	14.5	17	4	7
M24 × 1.5	ISO2	SM024OANEXH	3.5P	140	27	-	71	18	14.5	17	4	7
M24 × 1	ISO2	SM024MANEXH	3.5P	140	27	-	71	18	14.5	17	4	7
M25 × 1.5	ISO2	SM025OANEXH	3.5P	140	27	-	71	18	14.5	17	4	7
M27 × 3	ISO2	SG027SANEXH	3.5P	160	37	-	82	20	16	19	4	6
M27 × 2	ISO2	SM027QANEXH	3.5P	140	27	-	71	20	16	19	4	7
M28 × 1.5	ISO2	SM028OANEXH	3.5P	140	27	-	71	20	16	19	4	7
M28 × 1	ISO2	SM028MANEXH	3.5P	140	27	-	71	20	16	19	4	7
M30 × 3.5	ISO2	SG030TANEXH	3.5P	180	44	-	92	22	18	21	4	6
M30 × 2	ISO2	SM030QANEXH	3.5P	150	27	-	77	22	18	21	4	7
M30 × 1.5	ISO2	SM030OANEXH	3.5P	150	27	-	77	22	18	21	4	7
For G Threads												
G 1/8-28	-	SVG0020NEXH	3.5P	90	19	-	46	7	5.5	8	3	8
G 1/4-19	-	SVG0040NEXH	3.5P	100	21	-	51	11	9	12	3	8
G 3/8-19	-	SVG0060NEXH	3.5P	100	21	-	51	12	9	12	3	8
G 1/2-14	-	SVG0080NEXH	3.5P	125	24	-	64	16	12	15	4	8
G 3/4-14	-	SVG0120NEXH	3.5P	140	27	-	71	20	16	19	4	8
G 1 -11	-	SVG0160NEXH	3.5P	160	29	-	82	25	20	23	4	8

1

DIN

Spiral Fluted Taps
(for blind hole)

①

Spiral Fluted Taps
(for through hole)

②

Spiral Pointed Taps
(for through hole)

③

Hand Taps

④

Cemented
Carbide Taps

⑤

Roll Taps

⑥

Special Thread Taps
Simple Inspection Tools

⑦

Pipe Taps

⑧

Thread Mills
Premium Thread Mills

⑨

Dies

⑩

Center Drills
Centering Tools

⑪

Precision Machinery/
Medical Surgical Instruments

⑫

DIN

①-160