

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	ℓ _n	ℓ _s	D _s	K	ℓ _k

- ① Spiral Fluted Taps (for blind hole)
- ② Spiral Fluted Taps (for through hole)
- ③ Spiral Pointed Taps (for through hole)
- ④ Hand Taps
- ⑤ Cemented Carbide Taps
- ⑥ Roll Taps
- ⑦ Special Thread Taps Simple Inspection tools
- ⑧ Pipe Taps
- ⑨ Thread Mills Premium Thread Mills
- ⑩ Dies
- ⑪ Center Drills Centering Tools
- ⑫ Precision Machinery/Medical Surgical Instruments



Z-PRO HVSP LH



Z-PRO
Hybrid Value Spiral Fluted Taps for Steel for Left Hand Threads

Specification

HSS

OX
Oxide

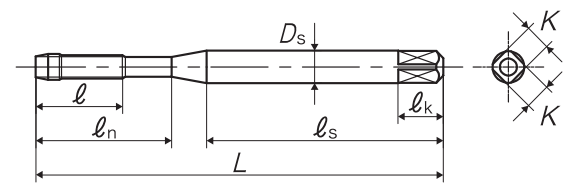
LH
Left hand

■ Hybrid value spiral fluted tap for steel for left-hand thread with improved chip ejection efficiency and greater chipping resistance.

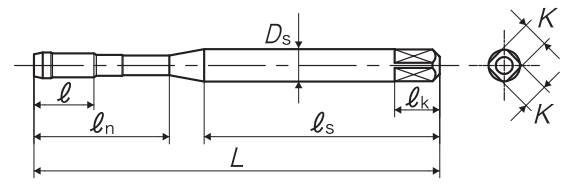
Tapping Speeds depending on Materials

Low carbon steels 低炭素鋼	Medium carbon steels 中炭素鋼	High carbon steels 高炭素鋼	Alloy steels 合金鋼	Thermal refined steels 調質鋼	Stainless steels ステンレス鋼	Cast steels 鋳鋼
3~12 (m/min)	3~12 (m/min)	3~12 (m/min)	3~12 (m/min)	~5 (m/min) 25~35HRC	~5 (m/min)	3~12 (m/min)

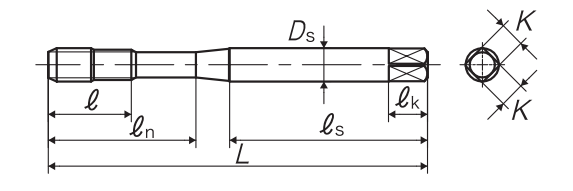
TYPE: 1



TYPE: 2



TYPE: 3



Segment : 1C

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓ _n (mm)	ℓ _s (mm)	D _s (mm)	K (mm)	ℓ _k (mm)	No. of flutes	TYPE
For Metric Threads												
M3 × 0.5	ISO2X	3116102035	2.5P	56	9	18	34	3.5	2.7	6	3	1
M3 × 0.35	ISO2X	3116102036	2.5P	56	6.5	18	34	3.5	2.7	6	3	2
M4 × 0.7	ISO2X	3116102042	2.5P	63	13	21	38	4.5	3.4	6	3	1
M4 × 0.5	ISO2X	3116102043	2.5P	63	9	21	38	4.5	3.4	6	3	2
M5 × 0.8	ISO2X	3116102049	2.5P	70	14	25	39	6	4.9	8	3	1
M5 × 0.5	ISO2X	3116102051	2.5P	70	9	25	39	6	4.9	8	3	2
M6 × 1	ISO2X	3116102055	2.5P	80	15	30	45	6	4.9	8	3	3
M6 × 0.75	ISO2X	3116102056	2.5P	80	15	30	45	6	4.9	8	3	3
M6 × 0.5	ISO2X	3116102057	2.5P	80	9	30	45	6	4.9	8	3	3
For Unified Threads												
No.5-40UNC	2BX	3116104021	2.5P	56	5	18	34	3.5	2.7	6	3	1
No.5-44UNF	2BX	3116104022	2.5P	56	5	18	34	3.5	2.7	6	3	1
No.6-32UNC	2BX	3116104023	2.5P	56	7	19	32	4	3	6	3	1
No.6-40UNF	2BX	3116104024	2.5P	56	7	19	32	4	3	6	3	1
No.8-32UNC	2BX	3116104029	2.5P	63	7	21	38	4.5	3.4	6	3	1
No.8-36UNC	2BX	3116104030	2.5P	63	7	21	38	4.5	3.4	6	3	1



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

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L	ℓ	ℓn	ℓs	Ds	K	ℓk

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE
No.10-24UNC	2BX	3116104039	2.5P	70	9	24	39	6	4.9	8	3	1
No.10-32UNF	2BX	3116104041	2.5P	70	9	24	39	6	4.9	8	3	1
1/4-20UNC	2BX	3116104058	2.5P	80	11	30	42	7	5.5	8	3	1
1/4-28UNF	2BX	3116104062	2.5P	80	11	30	42	7	5.5	8	3	1

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DIN

Spiral Fluted Taps
(for blind hole) ①Spiral Fluted Taps
(for through hole) ②Spiral Pointed Taps
(for through hole) ③Hand Taps
④Cemented
Carbide Taps ⑤Roll Taps
⑥Special Thread Taps
Simple Inspection Tools ⑦Pipe Taps
⑧Thread Mills
Premium Thread Mills ⑨Dies
⑩Center Drills
Centering Tools ⑪Precision Machinery/
Medical Surgical Instruments ⑫

DIN

①-44