

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

DIN

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

DIN

1-19



Z-PRO VUSP E



Z-PRO Coated Spiral Fluted Taps E(1.5P)

Specification

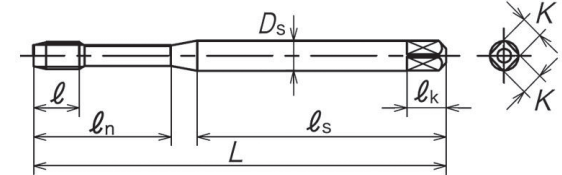


- Lead length of 1.5P makes it ideal for blind hole drilling, in which there is no tolerance for prepared hole depth and effective thread length.
- Durability is improved by premium powder HSS and special coating.
- Chip ejection efficiency is improved and cutting resistance is reduced by the unique cutting edge shape, achieving a good internal thread and long tool life.

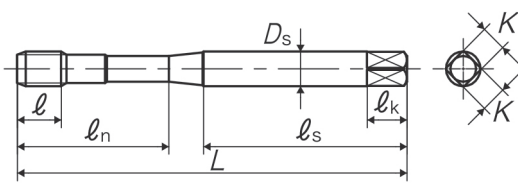
Tapping Speeds depending on Materials

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	Stainless steels ステンレス鋼	Tool steels 工具鋼	Ductile cast irons 強靱鑄鉄
5~15 (m/min)	5~15 (m/min)	5~15 (m/min)	5~15 (m/min)	3~10 (m/min)	5~10 (m/min)	5~15 (m/min)
Wrought aluminum アルミ圧延材	Aluminum alloy castings アルミ合金鋳物					
5~20 (m/min)	5~20 (m/min)					

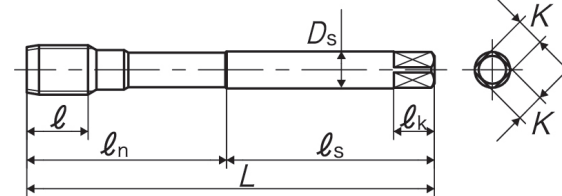
TYPE: 1



TYPE: 2



TYPE: 3



Segment : 1D

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	3103101035	E (1.5P)	56	5	18	34	3.5	2.7	6	3	1
M3 × 0.35	ISO2X	3103101036	E (1.5P)	56	5	18	34	3.5	2.7	6	3	1
M4 × 0.7	ISO2X	3103101042	E (1.5P)	63	7	21	38	4.5	3.4	6	3	1
M4 × 0.5	ISO2X	3103101043	E (1.5P)	63	5	21	38	4.5	3.4	6	3	1
M5 × 0.8	ISO2X	3103101049	E (1.5P)	70	9	25	39	6	4.9	8	3	1
M5 × 0.5	ISO2X	3103101051	E (1.5P)	70	6	25	39	6	4.9	8	3	1
M6 × 1	ISO2X	3103101055	E (1.5P)	80	11	30	45	6	4.9	8	3	1
M6 × 0.75	ISO2X	3103101056	E (1.5P)	80	8	30	45	6	4.9	8	3	1
M6 × 0.5	ISO2X	3103101057	E (1.5P)	80	8	30	45	6	4.9	8	3	1
M8 × 1.25	ISO2X	3103101064	E (1.5P)	90	12	35	47	8	6.2	9	3	2
M8 × 1	ISO2X	3103101065	E (1.5P)	90	12	-	46	6	4.9	8	3	3
M10 × 1.5	ISO2X	3103101078	E (1.5P)	100	13	39	52	10	8	11	3	2
M10 × 1.25	ISO2X	3103101079	E (1.5P)	100	13	-	51	7	5.5	8	3	3
M10 × 1	ISO2X	3103101080	E (1.5P)	90	13	-	46	7	5.5	8	3	3
M12 × 1.75	ISO2X	3103101088	E (1.5P)	110	15	-	56	9	7	10	3	3
M12 × 1.5	ISO2X	3103101089	E (1.5P)	100	15	-	51	9	7	10	3	3

Think threads with YAMAWA

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

Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE
M12 × 1.25	ISO2X	3103101090	E (1.5P)	100	15	-	51	9	7	10	3	3
M14 × 2	ISO2X	3103101100	E (1.5P)	110	18	-	56	11	9	12	3	3
M14 × 1.5	ISO2X	3103101102	E (1.5P)	100	14	-	51	11	9	12	3	3
M16 × 2	ISO2X	3103101114	E (1.5P)	110	18	-	56	12	9	12	3	3
M16 × 1.5	ISO2X	3103101116	E (1.5P)	100	14	-	51	12	9	12	3	3

1

DIN

Spiral Fluted Taps
(for blind hole) ①Spiral Fluted Taps
(for through hole) ②Spiral 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 ⑪Precision Machinery/
Metal Surgical Instruments ⑫

DIN

①-20

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