

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



Z-PRO

VUSP CH



Z-PRO

Coated Spiral Fluted Taps with Coolant Through Hole

Specification

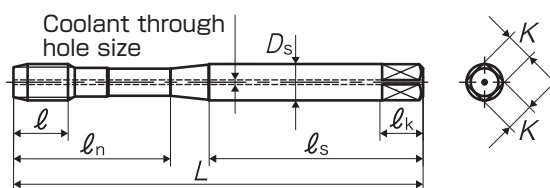


- Durability is improved by premium powder HSS and special coating.
- Chip ejection efficiency is improved and cutting resistance is reduced by the unique cutting edge shape, achieving a good internal thread and long tool life.

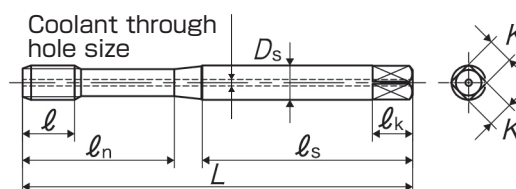
Tapping Speeds depending on Materials

Low carbon steels 低炭素鋼 10~20 (m/min)	Medium carbon steels 中炭素鋼 10~30 (m/min)	High carbon steels 高炭素鋼 10~30 (m/min)	Alloy steels 合金鋼 10~20 (m/min)	Stainless steels ステンレス鋼 3~10 (m/min)	Tool steels 工具鋼 5~10 (m/min)	Ductile cast irons 強靱鑄鉄 10~20 (m/min)
Wrought aluminum アルミ圧延材 10~20 (m/min)	Aluminum alloy castings アルミ合金鋳物 10~20 (m/min)					

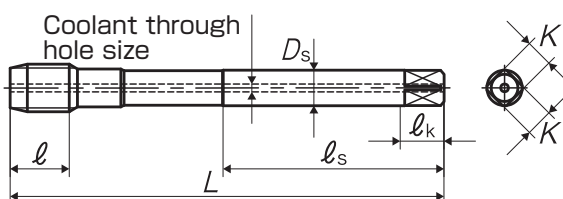
TYPE:2



TYPE:1



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	Coolant hole size (mm)	TYPE
For Metric Threads													
M6 × 1	ISO2X	3201101055	2.5P	80	11	30	45	6	4.9	8	3	1	1
M8 × 1.25	ISO2X	3201101064	2.5P	90	12	35	47	8	6.2	9	3	1	2
M8 × 1	ISO2X	3201101065	2.5P	90	12	-	46	6	4.9	8	3	1	3
M10 × 1.5	ISO2X	3201101078	2.5P	100	13	39	52	10	8	11	3	1.5	2
M10 × 1.25	ISO2X	3201101079	2.5P	100	13	-	51	7	5.5	8	3	1.5	3
M10 × 1	ISO2X	3201101080	2.5P	90	13	-	46	7	5.5	8	3	1.5	3
M12 × 1.75	ISO2X	3201101088	2.5P	110	15	-	56	9	7	10	3	2	3
M12 × 1.5	ISO2X	3201101089	2.5P	100	15	-	51	9	7	10	3	2	3
M12 × 1.25	ISO2X	3201101090	2.5P	100	15	-	51	9	7	10	3	2	3
M14 × 2	ISO2X	3201101100	2.5P	110	18	-	56	11	9	12	3	2	3
M14 × 1.5	ISO2X	3201101102	2.5P	100	14	-	51	11	9	12	3	2	3
M16 × 2	ISO2X	3201101114	2.5P	110	18	-	56	12	9	12	3	2	3
M16 × 1.5	ISO2X	3201101116	2.5P	100	14	-	51	12	9	12	3	2	3
For Unified Threads													
5/16-18UNC	2BX	3201103071	2.5P	90	12	35	47	8	6.2	9	3	1	2
3/8-16UNC	2BX	3201103082	2.5P	100	13	39	54	9	7	10	3	1.5	2
1/2-13UNC	2BX	3201103111	2.5P	110	15	-	56	9	7	10	3	2	3