1 Spiral Fluted Tap Series for blind hole

JIS

Spiral Fluted Ta

Spiral Fluted Tap

Spiral Pointed Tap

4 Pung

Carbide Tap

Roll Taps

Special Thread Taps

R Pipe Taps

Thread Mills

10

Center Drills
Centering Tools

Precision Machinery/

VUSP CH



Z-PRO

Coated Spiral Fluted Taps with Coolant Through Hole

Specification











Tapping Speeds depending on Materials



Medium carbon stee 中炭素鋼 10~3((m/min) High carbon steels 高炭素鋼 10~30 (m/min) Alloy steels 合金銅 10~20 (m/min) tainless steels ステンレス鋼 3~10 (m/min) Ductile cast irons 強靭鋳鉄 10~20 (m/min)

Wrought aluminum アルミ圧延材 10~20 (m/min)

Aluminum alloy アルミ合金 10~1 (m/mi

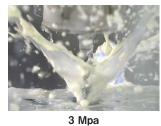
Product Features

- 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.
- Appropriate tool projection length is secured, preventing chips from interfering with the holder.
- Best suitable for tapping with water soluble cutting fluid.
- •VUSP CH has the most effective coolant through hole size for internal lubrication that can supply adequate cutting fluid to the chamfer part. This leads to high performance of cooling, prevention of welding and wear resistance, and achieves the excellent thread surface finish. Chips are smoothly ejected from bored holes to ensure consecutive tapping.

■Situations by different pressures



1.5 Mpa







Tapping Data

Tapping conditions [M6×1]

rapping conditi	one [mox1]						
Workpiece Material	S50C						
Tapping Length	12mm						
Tapping Speed	20m/min						
Machinery Type	Machining center, vertical type						
Tapping Fluid	Water soluble cutting fluid						
Internal Coolant Pressure	1.5MPa						

Tapping conditions [M10×1.5]

•	
Workpiece Material	S50C
Tapping Length	20mm
Tapping Speed	20m/min
Machinery Type	Machining center, vertical type
Tapping Fluid	Water soluble cutting fluid
Internal Coolant Pressure	1.5MPa

After 500 holes (Can continue to be used)										
Excellent thread surface	Less damage on the edge	Uniform chips' shape								
		particular proportion of the second								

After 420 holes (Can continue to be used)										
Excellent thread surface	Less damage on the edge	Uniform chips' shape								
		January and some								



JIS

Spiral Fluted Taps (for blind hole)

Spiral Pointed Taps Spiral Fluted Taps (for through hole)

Hand Taps

Carbide Taps

4

Roll Taps 6

Pipe Taps | Special Thread Taps Simple Inspection Tools

Thread Mills | Oremium Thread Mills |

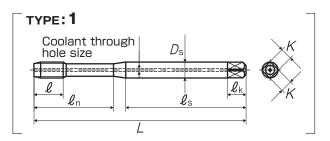
Dies

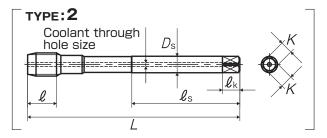
Center Drills
Centering Tools

10

Precision Machinery/
Medical Surgical Instruments

(7)





Segment: 1D

oogon															
	Size	Class	Code	Chamfer	L (mm)	(mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	Coolant hole size (mm)	TYPE	MSRP
For Metric Threads															
	$M6 \times 1$	P2	1201101055	C (2.5P)	80	11	30	45	6	4.5	7	3	1	1	¥ 5,010
	M8 × 1.25	P3	1201101064	C (2.5P)	90	12	-	46	6.2	5	8	3	1	2	¥ 6,610
	$M8 \times 1$	P3	1201101065	C (2.5P)	90	12	-	46	6.2	5	8	3	1	2	¥ 7,810 **
	M10 × 1.5	P3	1201101078	C (2.5P)	100	13	-	51	7	5.5	8	3	1.5	2	¥ 8,340
	$M10 \times 1.25$	P3	1201101079	C (2.5P)	100	13	-	51	7	5.5	8	3	1.5	2	¥ 8,340
	M10 × 1	P3	1201101080	C (2.5P)	100	13	-	51	7	5.5	8	3	1.5	2	¥ 9,900 *
	$M12 \times 1.75$	P4	1201101088	C (2.5P)	110	15	-	56	8.5	6.5	9	3	2	2	¥ 11,000
	$M12 \times 1.5$	P3	1201101089	C (2.5P)	110	15	-	56	8.5	6.5	9	3	2	2	¥ 11,000 *
	$M12 \times 1.25$	P3	1201101090	C (2.5P)	110	15	-	56	8.5	6.5	9	3	2	2	¥ 11,000
	M14 × 2	P4	1201101100	C (2.5P)	110	18	-	56	10.5	8	11	3	2	2	¥ 15,000
	$M14 \times 1.5$	P3	1201101102	C (2.5P)	110	14	-	56	10.5	8	11	3	2	2	¥ 15,000
	M16 × 2	P4	1201101114	C (2.5P)	110	18	-	56	12.5	10	13	3	2	2	¥ 19,500
	$M16 \times 1.5$	P3	1201101116	C (2.5P)	110	14	-	56	12.5	10	13	3	2	2	¥ 19,500