Spiral Fluted Taps (for through hole)

Spiral Pointed Taps (for through hole)

Tops Hand T

Roll Special Thread Taps Simple Inspection Tools

Tops

Tops

Thread Mills

Dies

Drills

Center

Tools

Centering

Plus Series Spiral Fluted Taps, Optimum Coating for the tapping Specification





Recommended Tapping Speeds depending on Materials









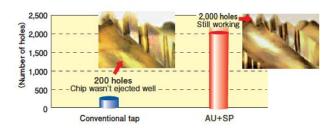
For icon explanation, refer to P.24

Tapping data

5~10

Tapping condition (M6×1)

Work material	SCM440					
Tapping speed	10m/min					
Hole diameter	φ5.0					
Tapping length	9mm, blind hole					
Machine	Machining center vertical type (Floating holder used)					
Tapping fluid	Water soluble cutting oil (Chlorine-free,20 fold dilution)					



Product features

BLF (thread portion of special design) + proprietary flute design: Great improvement in chip ejection efficiency.

- ●AU+SP has a special thread portion design with thread crests ground off and a few full threads after chamfer left unchanged.
- ●Effects of AU+SP are as follows:
- · Prevention of chipping trouble at full thread portion
- · Reduction of tapping torque and tapping friction
- · Good chip ejection



Change of marking position from shank into square portion

Laser marking can roughen the shank surface.

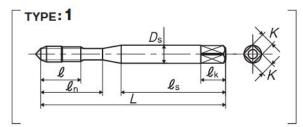
In order to keep high accuracy of shank circularity and diameter, marking has been transferred from shank to square portion.

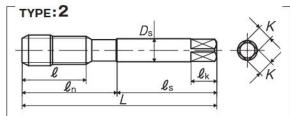


For wide range of materials

Adopting the flute of special design which enables the coating (features: wear resistance, heat resistance, and welding resistance) to work most efficiently, AU+SP is suitable for the wide range of materials and is well applicable under water soluble oil.







Segment: 1C

Size	Class	Code	Chamfer	L (mm)	(mm)	ℓn (mm)	Ls (mm)	Ds (mm)	K (mm)	₽k (mm)	No. of flutes	Туре	Stock
For Metric Threads													
M2 × 0.4	P2	VSAPQ2.0E	2.5P	42	7.2	12	27	3	2.5	5	2	1	0
$M2.5 \times 0.45$	P2	VSAPQ2.5F	2.5P	46	8.1	14	29	3	2.5	5	2	1	0
$M2.6 \times 0.45$	P2	VSAPQ2.6F	2.5P	46	8.1	14	29	3	2.5	5	2	1	0
M3 × 0.5	P2	VSAPQ3.0G	2.5P	46	9	14	26	4	3.2	6	3	1	0
M4 × 0.7	P2	VSAPQ4.0I	2.5P	52	11	17	29	5	4	7	3	1	0
M5 × 0.8	P2	VSAPQ5.0K	2.5P	60	13	22	33	5.5	4.5	7	3	1	0
M6 × 1	P2	VSAPQ6.0M	2.5P	62	15	26	33	6	4.5	7	3	1	0
M8 × 1.25	P3	VSAPR8.0N	2.5P	70	19	-	36	6.2	5	8	3	2	0
M8 × 1	P3	VSAPR8.0M	2.5P	70	19	W.F.	36	6.2	5	8	3	2	0
M10 × 1.5	P3	VSAPR0100	2.5P	75	23		38	7	5.5	8	4	2	0
M10 × 1.25	P3	VSAPR010N	2.5P	75	23		38	7	5.5	8	4	2	0
M10 × 1	P3	VSAPR010M	2.5P	75	23	-	38	7	5.5	8	4	2	0
M12 × 1.75	P3	VSAPR012P	2.5P	82	26	-	42	8.5	6.5	9	4	2	0
M12 × 1.5	P3	VSAPR0120	2.5P	82	26		42	8.5	6.5	9	4	2	0
M12 × 1.25	P3	VSAPR012N	2.5P	82	26	72	42	8.5	6.5	9	4	2	0

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