

(10)





AU+SL



Spiral Fluted Taps, Coated, Through Hole Use (with LH Spiral Flutes)

# Specification









# Tapping Speeds depending on Materials









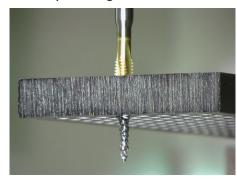
5~10



# **Product Features**

- ●The AU+SL utilizing a left hand spiral flute to achieve stable chip discharge performance even at high spindle speed tapping.
- Offers good chip discharge in a wide range of work materials from steel to stainless steel.
- The laser marking has been moved to the square area of the shank to insure a fine surface on the shank diameter. Burrs can be generated and the precision of the shank can be impaired by placing the markings on the shank's diameter. To maintain the precision and the circularity of the finished shank diameter and maintain the high accuracy, the taps size and limits are now marked on the square portion of the tap.
- ●The AU+SL is applicable to a wide range of work materials. It utilizes a flute shape that can maximize the features of the wear and heat resistance by coating. The coating offers an adhesion resistance, and can handle a wide range of work materials. It is also ideal for water soluble cutting fluids.

### Good chips discharge





### **Tapping Data**

#### Tapping Conditions [M6×1]

	appling Condi	ITIONS [INIO X 1]						
	Workpiece Material	SCM440						
	Bored Hole Size	φ5.0						
	Tapping Length	9mm through hole						
	Tapping Speed	15m/min						
Machinery Type Vertical machining		Vertical machining center						
	Tapping Fluid	Water soluble cutting fluid (chlorine-free 20 to 1 dilution)						

### Cutting Edge after 3,000 Holes.











	Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
ĺ	L	l	ℓn	ls	Ds	K	lk

Hand Taps Spiral Pointed Taps Spiral Fluted Taps Spiral Fluted Taps (for through hole) (for through hole) (for through hole)

Carbide Taps Roll Taps

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Pipe Taps | Special Thread Taps Simple Inspection Tools

Thread Mills |

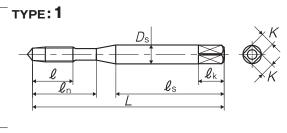
Premium Thread Mills |

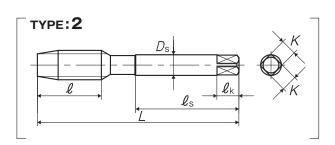
Dies

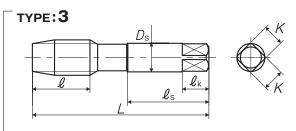
Center Drills
Centering Tools

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Precision Machinery/ | Medical Surgical Instruments |







Segment: 1S													
Size	Class	Code	Chamfer	L (mm)	(mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
				For	Metric <sup>-</sup>	Threads							
$M3 \times 0.5$	P2	VSAPQ3.0GL	5P	46	9	14	26	4	3.2	6	3	1	¥ 2,800
$M4 \times 0.7$	Р3	VSAPR4.0IL	5P	52	11	17	29	5	4	7	3	1	¥ 2,800
$M5 \times 0.8$	Р3	VSAPR5.0KL	5P	60	13	22	33	5.5	4.5	7	3	1	¥ 2,850
M6 × 1	Р3	VSAPR6.0ML	5P	62	15	26	33	6	4.5	7	3	1	¥ 2,880
$M8 \times 1.25$	Р3	VSAPR8.0NL	5P	70	19	-	36	6.2	5	8	3	2	¥ 4,160
M8 × 1	Р3	VSAPR8.0ML	5P	70	19	-	36	6.2	5	8	3	2	¥ 4,700
$M10 \times 1.5$	Р3	VSAPR010OL	5P	75	23	-	38	7	5.5	8	3	2	¥ 4,870
$M10 \times 1.25$	Р3	VSAPR010NL	5P	75	23	-	38	7	5.5	8	3	2	¥ 4,870
M10 × 1	Р3	VSAPR010ML	5P	75	23	-	38	7	5.5	8	3	2	¥ 5,350
$M12 \times 1.75$	P4	VSAPS012PL	5P	82	26	-	42	8.5	6.5	9	3	2	¥ 6,440
$M12 \times 1.5$	Р3	VSAPR012OL	5P	82	26	-	42	8.5	6.5	9	3	2	¥ 6,440
$M12 \times 1.25$	Р3	VSAPR012NL	5P	82	26	-	42	8.5	6.5	9	3	2	¥ 6,440
$M14 \times 2$	P4	VSAPS014QL	5P	88	26	-	45	10.5	8	11	3	2	¥ 8,870
$M14 \times 1.5$	Р3	VSAPR014OL	5P	88	26	-	45	10.5	8	11	3	2	¥ 8,870
$M16 \times 2$	P4	VSAPS016QL	5P	95	26	-	48	12.5	10	13	3	2	¥ 12,000
$M16 \times 1.5$	Р3	VSAPR016OL	5P	95	26	-	48	12.5	10	13	3	2	¥ 12,000
$M18 \times 2.5$	P4	VSAPS018RL	5P	100	33	-	51	14	11	14	4	2	¥ 15,700
$M18 \times 1.5$	P4	VSAPS018OL	5P	100	33	-	51	14	11	14	4	2	¥ 15,700
$M20 \times 2.5$	P4	VSAPS020RL	5P	105	33	-	50	15	12	15	4	3	¥ 19,800
$M20 \times 1.5$	P4	VSAPS020OL	5P	105	33	-	50	15	12	15	4	3	¥ 19,800