## 1 Spiral Fluted Tap Series for blind hole

 Overall length
 Thread length
 Thread length
 Shank length
 Shank dia.
 Size of square
 Length of square

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5 Siral Fluted Taps (for through hole

Spiral Pointed Taps

Taps

Cemented bide Taps

(9) Roll Taps

Special Thread Taps

Ripe Taps

6 Thread Mills Premium Thread Mills

10

Center Drills

Precision Machinery/ ledical Surgical Instruments

# AU+SP

Plus Series Spiral Fluted Taps, Optimum Coating for the Tapping



VAMAY TELEPHONE

#### **Specification**









#### Tapping Speed depending on Materials











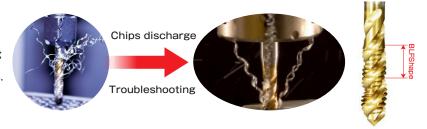




#### **Product Features**

BLF (Special shape of threaded part) + Significant improvements in chip discharge performance from a unique flute shape.

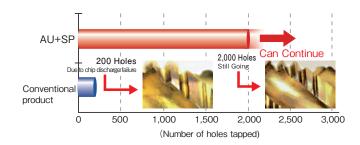
- The AU+SP tap has a special shape that has the first few threads at full size and reduces the remainder to half of the screw thread height.
- The special flute shape offers the following performance effects;
- Prevents chipping of the complete threads.
   Reduces the tapping torque and frictional resistance.
- 3. Creates a smooth discharge of chips.



#### **Tapping Data**

Tapping conditions [M6×1]

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Workpiece Material	SCM440
Bore Hole Size	φ5.0
Tapping Length	9mm, blind hole
Tapping Speed	10m/min
Machinery Type	Vertical machining center (using floating holder)
Tapping Fluid	Water soluble cutting fluid (chlorine-free 20 to 1 dilution)



Moving the identification markings to the square end of the tap generates a roundness with higher precision, a better surface finish on the taps shank diameter and improves the accuracy of the tap. Minute burrs can occur during marking, even with laser engraving, therefore moving the identification markings to the square improves the overall quality and performance of the tap.



The AU+SP is applicable to a wide range of work materials. It utilizes a flute shape that can maximize the features of the coating (wear resistance, heat resistance, resistance to welding) and can handle a wide range of work materials. It is also ideal for water soluble cutting fluids.





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



Spiral Fluted Taps
(for blind hole)

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

Carbide Taps

Roll Taps 6

Pipe Taps | Special Thread Taps | Simple Inspection Tools |

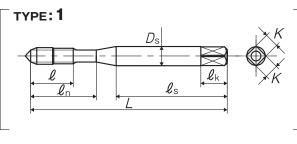
Thread Mills | Premium Thread Mills |

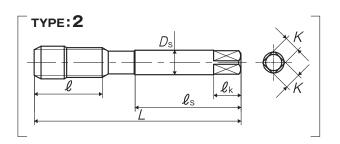
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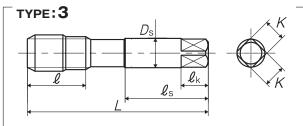
Center Drills
Centering Tools

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Precision Machinery/ | National Instruments |







Segment: 1C

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Size	Class	Code	Chamfer	L (mm)	l (mm)	ℓn (mm)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
For Metric Threads													
$M2 \times 0.4$	P2	VSAPQ2.0E	2.5P	42	7.2	12	27	3	2.5	5	2	1	¥ 3,820
$M2.5 \times 0.45$	P2	VSAPQ2.5F	2.5P	46	8.1	14	29	3	2.5	5	2	1	¥ 3,290
$M2.6 \times 0.45$	P2	VSAPQ2.6F	2.5P	46	8.1	14	29	3	2.5	5	2	1	¥ 3,290
$M3 \times 0.5$	P2	VSAPQ3.0G	2.5P	46	9	14	26	4	3.2	6	3	1	¥ 2,800
$M4 \times 0.7$	P2	VSAPQ4.0I	2.5P	52	11	17	29	5	4	7	3	1	¥ 2,800
$M5 \times 0.8$	P2	VSAPQ5.0K	2.5P	60	13	22	33	5.5	4.5	7	3	1	¥ 2,850
$M6 \times 1$	P2	VSAPQ6.0M	2.5P	62	15	26	33	6	4.5	7	3	1	¥ 2,880
$M8 \times 1.25$	Р3	VSAPR8.0N	2.5P	70	19	-	36	6.2	5	8	3	2	¥ 4,160
$M8 \times 1$	Р3	VSAPR8.0M	2.5P	70	19	-	36	6.2	5	8	3	2	¥ 4,700
$M10 \times 1.5$	Р3	VSAPR010O	2.5P	75	23	-	38	7	5.5	8	4	2	¥ 4,870
$M10 \times 1.25$	Р3	VSAPR010N	2.5P	75	23	-	38	7	5.5	8	4	2	¥ 4,870
M10 × 1	Р3	VSAPR010M	2.5P	75	23	-	38	7	5.5	8	4	2	¥ 5,350
$M12 \times 1.75$	Р3	VSAPR012P	2.5P	82	26	-	42	8.5	6.5	9	4	2	¥ 6,440
$M12 \times 1.5$	Р3	VSAPR012O	2.5P	82	26	-	42	8.5	6.5	9	4	2	¥ 6,440
$M12 \times 1.25$	Р3	VSAPR012N	2.5P	82	26	-	42	8.5	6.5	9	4	2	¥ 6,440
M14 × 2	Р3	VSAPR014Q	2.5P	88	26	-	45	10.5	8	11	4	2	¥ 8,870
$M14 \times 1.5$	Р3	VSAPR014O	2.5P	88	26	-	45	10.5	8	11	4	2	¥ 8,870
M16 × 2	Р3	VSAPR016Q	2.5P	95	26	-	48	12.5	10	13	4	2	¥ 12,000
$M16 \times 1.5$	Р3	VSAPR016O	2.5P	95	26	-	48	12.5	10	13	4	2	¥ 12,000
$M18 \times 2.5$	P4	VSAPS018R	2.5P	100	33	-	51	14	11	14	4	2	¥ 15,700
$M18 \times 1.5$	P4	VSAPS018O	2.5P	100	33	-	51	14	11	14	4	2	¥ 15,700
$M20 \times 2.5$	P4	VSAPS020R	2.5P	105	33	-	50	15	12	15	4	3	¥ 19,800
$M20 \times 1.5$	P4	VSAPS020O	2.5P	105	33	-	50	15	12	15	4	3	¥ 19,800