



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



We are expanding size range of AU+SP up to M20, both metric coarse and metric fine.

For details on how-to-use, refer to You Tube

Please note that specification may change without advance notice.

Dimension



Recommended tapping speed for AU+SP

	Size	Class	Code	Chamfer	L (mm)	ℓ (mm)	{n (mm)	ls (mm)	Ds (mm)	{k (mm)	No.of flutes
	M2 X 0.4	P2	VSAPQ2.0E	2.5P	42	7.2	12	27	3	5	2
	M2.5 X 0.45	P2	VSAPQ2.5F	2.5P	46	8.1	14	29	3	5	2
	M2.6 X 0.45	P2	VSAPQ2.6F	2.5P	46	8.1	14	29	3	5	2
	M3 X 0.5	P2	VSAPQ3.0G	2.5P	46	9	14	26	4	6	3
	M4 X 0.7	P2	VSAPQ4.0I	2.5P	52	11	17	29	5	7	3
	M5 X 0.8	P2	VSAPQ5.0K	2.5P	60	13	22	33	5.5	7	3
	M6 X 1	P2	VSAPQ6.0M	2.5P	62	15	26	33	6	7	3
	M8 X 1.25	P3	VSAPR8.0N	2.5P	70	19	-	36	6.2	8	3
	M8 X 1	P3	VSAPR8.0M	2.5P	70	19	-	36	6.2	8	3
	M10 X 1.5	P3	VSAPR010O	2.5P	75	23	-	38	7	8	4
	M10 X 1.25	P3	VSAPR010N	2.5P	75	23	-	38	7	8	4
	M10 X 1	P3	VSAPR010M	2.5P	75	23	-	38	7	8	4
	M12 X 1.75	P3	VSAPR012P	2.5P	82	26	-	42	8.5	9	4
	M12 X 1.5	P3	VSAPR012O	2.5P	82	26	-	42	8.5	9	4
	M12 X 1.25	P3	VSAPR012N	2.5P	82	26	-	42	8.5	9	4
NEW	M14 X 2	P3	VSAPR014Q	2.5P	88	26	-	45	10.5	11	4
NEW	M14 X 1.5	P3	VSAPR014O	2.5P	88	26	-	45	10.5	11	4
NEW	M16 X 2	P3	VSAPR016Q	2.5P	95	26	-	48	12.5	13	4
NEW	M16 X 1.5	P3	VSAPR016O	2.5P	95	26	-	48	12.5	13	4
NEW	M18 X 2.5	P4	VSAPS018R	2.5P	100	33	-	51	14	14	4
NEW	M18 X 1.5	P4	VSAPS018O	2.5P	100	33	-	51	14	14	4
NEW	M20 X 2.5	P4	VSAPS020R	2.5P	105	33	-	50	15	15	4
NEW	M20 X 1.5	P4	VSAPS020O	2.5P	105	33	-	50	15	15	4

*Tap class is only the target for the limit of internal threads.

AU+SP HSS Coating

life ΓοοΙ

Zinc alloy castings ZDC

Stainless steels SUS304

High carbon steels S45C-

Alloy steels SCM/Sr

Work materia

Work material

Medium carbon steels S25C~S45C

Low carbon steels ~S20C/SS400

Aluminium alloy castings AC•ADC

Tapping condition: AU+SP M6x1						
Work material	SCM440					
Cutting speed	10m/min					
Hole diameter	Φ5.0					
Tapping length	9mm blind hole					
Machine	Machining centers vertical type (floating holder used)					
Oil	water soluble oil (chlorine-free,20 fold dilution)					



AU+SP Conventional tap

BLF(special shape)+improvement in chip ejection efficiency

Recommended

tapping speed

(m/min)

5~10 10~20

10~20

10~20

10~20

20~30

•AU+SP is designed to have a few full threads only after the chamfer and half of height for the remaining threads.

• Features of AU+SP are as follows:

- Prevention of chipping trouble at full thread portion
- •Reduction of tapping torque and tapping friction

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•With good thread guiding feature

•With good chip ejection



Warning

Head office

- •Tools may shatter. Wear cover or eye glasses to avoid injury during tapping.
- ◆Tools may shatter. Use tools under the proper tapping condition.
- ♦Never wear gloves during turning operations as the gloves may get caught with the tools.
- •Wear safety shoes to avoid injuring yourself by the falling tools.
- •On attaching tools to the machine, fasten firmly to avoid chattering and run-out.
- +Fasten the work pieces firmly so that they never move during operation. Never use worn tools or damaged tools with chipping.
- •Take a special care to fire trouble. High temperature during machining may cause fire.

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