

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

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Spiral Fluted Tap

Spiral Fluted Taps

Spiral Pointed Taps
(for through hole)

Taps

Hand

Cemented rbide Taps

Roll Taps

Special Thread Tap

8) Pipe Tap

Thread Mills
Premium Thread Mills

or Drills

(10)

Precision Machinery/

SU+SL



Spiral Fluted Taps for Stainless Steels, Through Hole Use (with LH Spiral Flutes)

Specification









Tapping Speeds depending on Materials











Product Features

- Suitable for stainless steels tending to work-harden and sticky, as well as chrome steels and molybdenum steels, through hole use.
- ■Recommended speed : 5 ~ 15m/min
- ●In tapping SUS304, SU+SL has more than 3 times longer tool life than SU-PO. Even in 2000 tapping holes, the surface of thread finish is good and the shape of threads is clearly stable.
- Adopting left hand spiral flutes, compared with SU-PO, SU+SL improves the chip ejection and realizes longer tool life.

Tapping Data

Tapping condition [M5×0.8]

Work Material	SUS304(90HRB)
Hole Size	φ4.2
Tapping Length	12mm, through hole
Tapping Speed	15m/min
Machine	Vertical machining center
Tapping Fluid	Non-water soluble cutting oil without chlorine

Comparison of Internal Threads

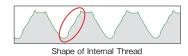




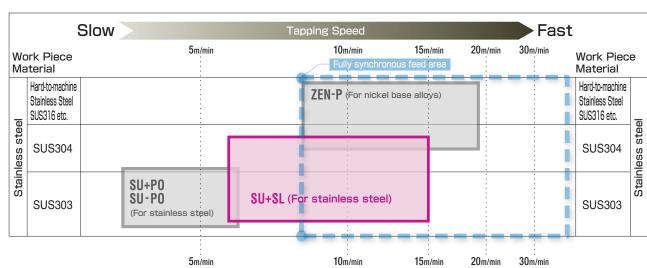
Shape of Internal Thread



Roughness of Thread Flank Face Ra=2.0 µm



Speed chart



Tapping range by material being cut.



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 Pointed Taps Spiral Fluted Taps Spiral Fluted Taps (for through hole) (for through hole) (Tor blind hole)

Hand Taps

Carbide Taps

4

Roll Taps

6

Pipe Taps | Special Thread Taps | Simple Inspection Tools |

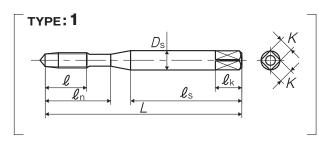
Thread Mills | Oremium Thread Mills |

Dies

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Center Drills
Centering Tools

Precision Machinery/ | Landing Surgical Instruments |



Segment: 1S

S	ize	Class	Code	Chamfer	L (mm)	ℓ (mm)	ℓn (mm)	ℓ s (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
For Metric Threads														
M3×	0.5	P2	SUPQ3.0GL	5P	46	9	14	26	4	3.2	6	3	1	¥ 1,560
M4×	0.7	P2	SUPQ4.0IL	5P	52	11	17	29	5	4	7	3	1	¥ 1,560
M5×	8.0	P3	SUPR5.0KL	5P	60	13	22	33	5.5	4.5	7	3	1	¥ 1,590
M6 ×	:1	P2	SUPQ6.0ML	5P	62	15	26	33	6	4.5	7	3	1	¥ 1,840