

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	$\ell$	$\ell_n$	$\ell_s$	Ds	K	$\ell_k$

# SP TRI

## Spiral Fluted Taps for Tripod Threads



### Specification

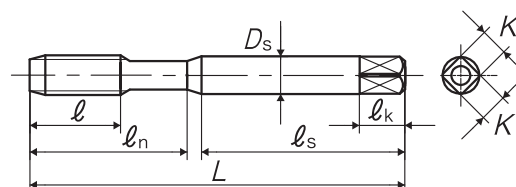


■ Spiral Fluted Tap for camera tripod threads. Its thread size is oversized.

### Tapping Speeds depending on Materials

Brass 黄銅 ~10 (m/min)	Brass castings 黄銅鑄物 ~10 (m/min)	Aluminum alloy castings アルミ合金鑄物 ~10 (m/min)	Magnesium alloy die castings マグネシウム合金鑄物 ~10 (m/min)	Zinc alloy castings 亜鉛合金鑄物 ~10 (m/min)
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### TYPE: 1



Segment : 1C

Size	Code	Chamfer	L (mm)	$\ell$ (mm)	$\ell_n$ (mm)	$\ell_s$ (mm)	Ds (mm)	K (mm)	$\ell_k$ (mm)	No. of flutes	TYPE	MSRP
For Tripod Threads												
1/4-20	SYU04N0KEB	2.5P	62	15	26	33	6	4.5	7	3	1	¥ 2,020*

Specifications of threads for mounting a camera on a tripod as shown in the picture on the right.

The tripod thread is larger by about 0.14 mm than the unified thread in terms of the accuracy of its pitch diameter of internal threads, while their thread shapes are the same.

### Comparison between tripod thread and unified thread

unit: mm

Size	Pitch (P)		Minor Diameter (D)	Pitch Diameter (D <sub>2</sub> )	Minor Diameter (D <sub>1</sub> )
Tripod thread 1/4-20	1.270	Basic size	6.350	5.525	4.975
		Maximum allowable size	~	5.820	5.267
		Minimum allowable size	6.460	5.635	4.975
Unified thread 2B 1/4-20UNC	1.270	Basic size	6.350	5.524	4.976
		Maximum allowable size	~	5.648	5.257
		Minimum allowable size	~	5.525	4.979

### For Tripod Threads

unit: mm

Size	Class	Major Diameter	Pitch Diameter			Minor Diameter
		Basic Size	Basic Size	Upper Tolerance (μm) +	Lower Tolerance (μm) +	Basic Size
1/4 - 20	-	6.350	5.525	230	210	4.975

### Bored hole size

unit: mm

Size	Minor diameter of internal thread (D <sub>1</sub> )		Bored hole size (reference)
	Max.	Min.	
1/4 - 20	5.267	4.975	5.19



Spiral Fluted Taps  
(for blind hole) ①

Spiral Fluted Taps  
(for through hole) ②

Spiral Pointed Taps  
(for through hole) ③

Hand Taps  
④

Cemented  
Carbide Taps ⑤

Roll Taps  
⑥

Special Thread Taps  
Simple inspection tools ⑦

Pipe Taps  
⑧

Thread Mills  
Premium Thread Mills ⑨

Dies  
⑩

Center Drills  
Centering Tools ⑪

Precision Machinery/  
Medical Surgical Instruments ⑫

JIS  
⑦-34