

Overall length	Thread length	Thread + Neck length	Shank dia.	Size of square	Length of square
L	ℓ	ℓ_n	Ds	K	ℓ_k

JIS

① Spiral Fluted Taps
(for blind hole)

② Spiral Fluted Taps
(for through hole)

③ Spiral Pointed Taps
(for through hole)

④ Hand Taps

⑤ Cemented Carbide Taps

⑥ Roll Taps

⑦ Special Thread Taps
Simple Inspection Tools

⑧ Pipe Taps

⑨ Thread Mills
Premium Thread Mills

⑩ Dies

⑪ Center Drills
Centering Tools

⑫ Precision Machinery/
Medical Surgical Instruments

JIS

⑦-29



N-CT LA STI

Carbide Hand Taps for Light Alloys (for Helical Coil Wire Screw Thread Inserts)



Specification



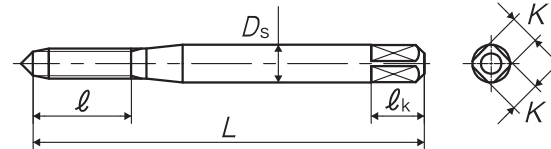
Tapping Speeds depending on Materials

Aluminum alloy castings
アルミ合金鋳物
10~20
(m/min)

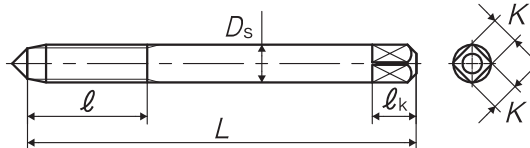
Zinc alloy castings
亜鉛合金鋳物
10~20
(m/min)

- The carbide tap is used to cut a comparatively soft material, such as aluminum, and create an internal thread for accommodating a helical coil wire screw thread insert, in order to reinforce the internal thread and increase durability.
- Diameter of the internal screw threads into which the insert coil is inserted, is larger than that of the corresponding external screw threads by the thickness of the coil. Therefore, the internal screw thread diameter of the insert coil thread tap is also larger than its nominal diameter.
- The bored hole size needs to be also larger. Make sure to prepare an appropriate bored hole size before tapping.
- The shank diameter is also larger. Make sure to use an appropriate tap holder.

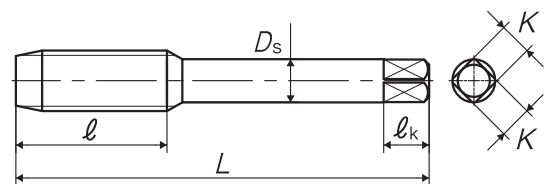
TYPE:1



TYPE:2



TYPE:3



Segment : 1L

Size	Class	Code	Chamfer	Basic major dia (mm)	L (mm)	ℓ (mm)	ℓ_n (mm)	Ds (mm)	K (mm)	ℓ_k (mm)	No. of flutes	TYPE	MSRP
For Metric Threads													
M3 × 0.5	Ib	TW3.0G1LWB5	5P	3.650	52	13	-	5	4	7	3	1	¥ 20,700 [※]
M3 × 0.5	Ib	TW3.0G1LWBA	1.5P	3.650	52	13	-	5	4	7	3	1	¥ 20,700 [※]
M4 × 0.7	Ib	TW4.0I1LWB5	5P	4.909	60	16	-	5.5	4.5	7	3	1	¥ 21,800 [※]
M4 × 0.7	Ib	TW4.0I1LWBA	1.5P	4.909	60	16	-	5.5	4.5	7	3	1	¥ 21,800 [※]
M5 × 0.8	Ib	TW5.0K1LWB5	5P	6.039	62	19	-	6	4.5	7	3	2	¥ 22,700 [※]
M5 × 0.8	Ib	TW5.0K1LWBA	1.5P	6.039	62	19	-	6	4.5	7	3	2	¥ 22,700 [※]
M6 × 1	Ib	TW6.0M1LWB5	5P	7.299	65	19	-	6.2	5	8	4	3	¥ 24,800 [※]
M6 × 1	Ib	TW6.0M1LWBA	1.5P	7.299	65	19	-	6.2	5	8	4	3	¥ 24,800 [※]
M8 × 1.25	Ib	TW8.0N1LWB5	5P	9.624	75	24	-	7	5.5	8	4	3	¥ 31,900 [※]
M8 × 1.25	Ib	TW8.0N1LWBA	1.5P	9.624	75	24	-	7	5.5	8	4	3	¥ 31,900 [※]
M10 × 1.5	Ib	TW010O1LWB5	5P	11.948	82	30	-	8.5	6.5	9	4	3	¥ 44,300 [※]
M10 × 1.5	Ib	TW010O1LWBA	1.5P	11.948	82	30	-	8.5	6.5	9	4	3	¥ 44,300 [※]

Think threads with
YAMAWA

※ = Specified Distribution Items. Made to order products.