

Overall length	Thread length	Shank dia.	Size of square	Length of square
L	ℓ	Ds	K	ℓk

# ANSI

## NPT-CI

Hand Taps for American Taper Pipe Threads for Cast Irons



### Specification

**HSS**

**NI**  
Nitride

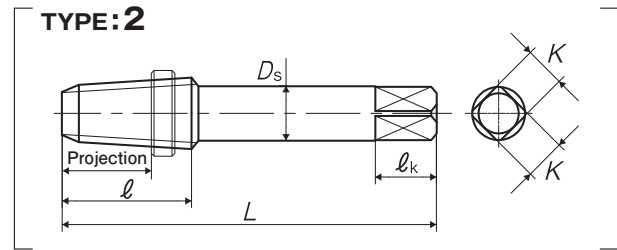
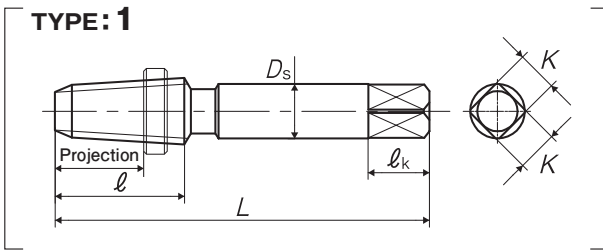


■ Suitable for hard and abrasive materials such as cast irons.

### Tapping Speed depending on Materials

Cast irons  
鑄鉄  
~5  
(m/min)

Ductile cast irons  
強靱鑄鉄  
~5  
(m/min)



Segment : 1G

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	Projection (inch)	Ds (inch)	K (inch)	ℓk (inch)	No. of flutes	TYPE
For American Pipe Threads											
1/8-27 NPT	ANSI G	Y83201	3P	2.125	0.75	0.312	0.437	0.328	0.375	4	1
1/8-27 NPT	ANSI G	Y83202	3P	2.125	0.75	0.312	0.312	0.234	0.375	4	2
1/4-18 NPT	ANSI G	Y83203	3P	2.437	1.062	0.459	0.562	0.421	0.437	4	1
3/8-18 NPT	ANSI G	Y83204	3P	2.562	1.062	0.454	0.7	0.531	0.5	4	1
1/2-14 NPT	ANSI G	Y83205	3P	3.125	1.375	0.579	0.687	0.515	0.625	4	2
3/4-14 NPT	ANSI G	Y83206	3P	3.25	1.375	0.565	0.906	0.679	0.687	5	2
1 -11 1/2 NPT	ANSI G	Y83207	3P	3.75	1.75	0.678	1.125	0.843	0.812	5	2
1 1/4-11 1/2 NPT	ANSI G	Y83208	3P	4	1.75	0.686	1.312	0.984	0.937	5	2
1 1/2-11 1/2 NPT	ANSI G	Y83209	3P	4.25	1.75	0.699	1.5	1.125	1	7	2
2 -11 1/2 NPT	ANSI G	Y83210	3P	4.5	1.75	0.667	1.875	1.406	1.125	7	2

- 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/Metal Surgical Instruments

· This product is different from JIS products in shape and dimensions, please be careful when using.