

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

ANSI

NPT

Hand Taps for American Taper Pipe Threads



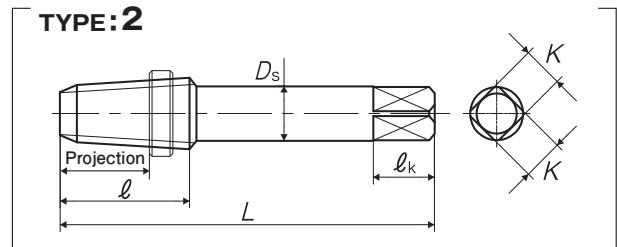
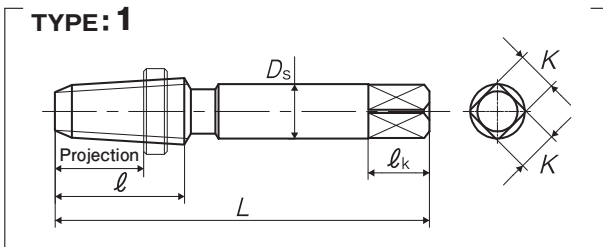
Specification



The NPT tap is a hand tap for the American tapered pipe threads and is used for products whose main purpose is the tightness of threaded parts in the connection of parts for pipes.

Tapping Speed depending on Materials

Medium carbon steels 中炭素鋼	High carbon steels 高炭素鋼	Alloy steels 合金鋼
~5 (m/min)	~5 (m/min)	~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											
1/16-27 NPT	ANSI G	Y83100	3P	2.125	0.687	0.312	0.312	0.234	0.375	4	1
1/16-27 NPT	ANSI G	Y83100BR	3P	2.125	0.687	0.312	0.312	0.234	0.375	4	1
1/8-27 NPT	ANSI G	Y83101	3P	2.125	0.75	0.312	0.437	0.328	0.375	4	1
1/8-27 NPT	ANSI G	Y83101BR	3P	2.125	0.75	0.312	0.437	0.328	0.375	4	1
1/8-27 NPT	ANSI G	Y83102	3P	2.125	0.75	0.312	0.312	0.234	0.375	4	2
1/8-27 NPT	ANSI G	Y83102BR	3P	2.125	0.75	0.312	0.312	0.234	0.375	4	2
1/4-18 NPT	ANSI G	Y83103	3P	2.437	1.062	0.459	0.562	0.421	0.437	4	1
1/4-18 NPT	ANSI G	Y83103BR	3P	2.437	1.062	0.459	0.562	0.421	0.437	4	1
3/8-18 NPT	ANSI G	Y83104	3P	2.562	1.062	0.454	0.7	0.531	0.5	4	1
3/8-18 NPT	ANSI G	Y83104BR	3P	2.562	1.062	0.454	0.7	0.531	0.5	4	1
1/2-14 NPT	ANSI G	Y83105	3P	3.125	1.375	0.579	0.687	0.515	0.625	4	2
1/2-14 NPT	ANSI G	Y83105BR	3P	3.125	1.375	0.579	0.687	0.515	0.625	4	2
3/4-14 NPT	ANSI G	Y83106	3P	3.25	1.375	0.565	0.906	0.679	0.687	4	2
3/4-14 NPT	ANSI G	Y83106BR	3P	3.25	1.375	0.565	0.906	0.679	0.687	4	2
1 -11 1/2 NPT	ANSI G	Y83107	3P	3.75	1.75	0.678	1.125	0.843	0.812	5	2
1 -11 1/2 NPT	ANSI G	Y83107BR	3P	3.75	1.75	0.678	1.125	0.843	0.812	5	2
1 1/4-11 1/2 NPT	ANSI G	Y83108	3P	4	1.75	0.686	1.312	0.984	0.937	5	2
1 1/4-11 1/2 NPT	ANSI G	Y83108BR	3P	4	1.75	0.686	1.312	0.984	0.937	5	2
1 1/2-11 1/2 NPT	ANSI G	Y83109	3P	4.25	1.75	0.699	1.5	1.125	1	6	2
1 1/2-11 1/2 NPT	ANSI G	Y83109BR	3P	4.25	1.75	0.699	1.5	1.125	1	6	2
2 -11 1/2 NPT	ANSI G	Y83110	3P	4.5	1.75	0.667	1.875	1.406	1.125	6	2
2 -11 1/2 NPT	ANSI G	Y83110BR	3P	4.5	1.75	0.667	1.875	1.406	1.125	6	2

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/
Metal Surgical Instruments ⑫

• This product is different from JIS products in shape and dimensions, please be careful when using.
• BR at the end of a product code indicates untreated products.