

8 Pipe Tap Series

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

ANSI

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

NPS

Hand Taps for American Parallel Pipe Threads



Specification

HSS

OX
Oxide



■ The NPS tap is a hand tap for American parallel pipe threads and is used for products whose main purpose is the tightness of the threaded part in connecting pipe parts and the like.

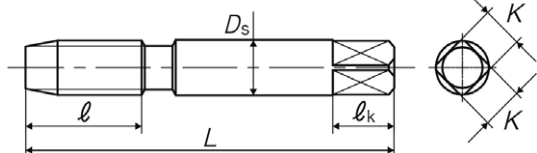
Tapping Speed depending on Materials

Low carbon steels
低炭素鋼
5~10
(m/min)

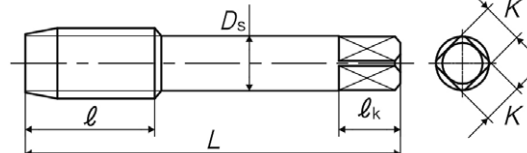
Medium carbon steels
中炭素鋼
5~10
(m/min)

High carbon steels
高炭素鋼
5~10
(m/min)

TYPE:1



TYPE:2



Segment : 1G

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	Ds (inch)	K (inch)	ℓ_k (inch)	No. of flutes	TYPE
For American Pipe Threads										
1/8-27 NPS	ANSI G	Y83301	4P	2.125	0.75	0.437	0.328	0.375	4	1
1/8-27 NPS	ANSI G	Y83301BR	4P	2.125	0.75	0.437	0.328	0.375	4	1
1/8-27 NPS	ANSI G	Y83302	4P	2.125	0.75	0.312	0.234	0.375	4	2
1/8-27 NPS	ANSI G	Y83302BR	4P	2.125	0.75	0.312	0.234	0.375	4	2
1/4-18 NPS	ANSI G	Y83303	4P	2.437	1.062	0.562	0.421	0.437	4	1
1/4-18 NPS	ANSI G	Y83303BR	4P	2.437	1.062	0.562	0.421	0.437	4	1
3/8-18 NPS	ANSI G	Y83304	4P	2.562	1.062	0.7	0.531	0.5	4	1
3/8-18 NPS	ANSI G	Y83304BR	4P	2.562	1.062	0.7	0.531	0.5	4	1
1/2-14 NPS	ANSI G	Y83305	4P	3.125	1.375	0.687	0.515	0.625	4	2
1/2-14 NPS	ANSI G	Y83305BR	4P	3.125	1.375	0.687	0.515	0.625	4	2
3/4-14 NPS	ANSI G	Y83306	4P	3.25	1.375	0.906	0.679	0.687	5	2
3/4-14 NPS	ANSI G	Y83306BR	4P	3.25	1.375	0.906	0.679	0.687	5	2
1 -11 1/2 NPS	ANSI G	Y83307	4P	3.75	1.75	1.125	0.843	0.812	5	2
1 -11 1/2 NPS	ANSI G	Y83307BR	4P	3.75	1.75	1.125	0.843	0.812	5	2

ANSI

⑧-113

Think threads with
YAMAWA

• 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.