

Overall length	Thread length	Position on basic dia.	Shank dia.	Size of square	Length of square
L	ℓ	ℓg	Ds	K	ℓk

- 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)



## NPT

### Hand Taps for American Taper Pipe Threads



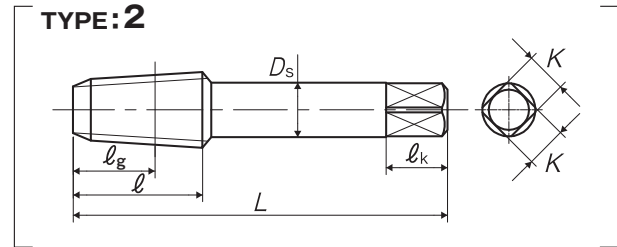
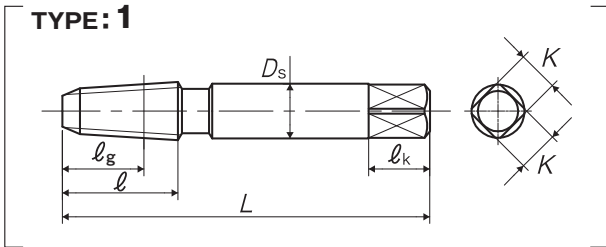
#### Specification



■ 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 Speeds 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	Basic major dia (mm)	L (mm)	ℓ (mm)	ℓg (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	TYPE	MSRP
For American Pipe Threads													
1/16-27 NPT	ANSI G	TNPT01L	3P	7.770	54	17	12.00	8	6	9	4	1	¥ 6,300
1/8-27 NPT	ANSI G	TNPT02L	3P	10.117	55	19	12.05	8	6	9	4	2	¥ 6,300
1/4-18 NPT	ANSI G	TNPT04O	3P	13.426	62	28	17.45	11	9	12	4	2	¥ 8,930
3/8-18 NPT	ANSI G	TNPT06O	3P	16.866	65	28	17.65	14	11	14	4	2	¥ 15,000
1/2-14 NPT	ANSI G	TNPT08Q	3P	20.980	80	35	22.85	18	14	17	4	2	¥ 24,700
3/4-14 NPT	ANSI G	TNPT12Q	3P	26.325	85	35	22.95	23	17	20	4	2	¥ 39,600
1 -11 1/2 NPT	ANSI G	TNPT16T	3P	32.934	95	45	27.40	26	21	24	5	2	¥ 73,300
1 1/4-11 1/2 NPT	ANSI G	TNPT20T	3P	41.689	105	45	28.10	32	26	30	5	2	¥ 111,000 <sup>**</sup>
1 1/2-11 1/2 NPT	ANSI G	TNPT24T	3P	47.760	110	45	28.40	38	29	32	6	2	¥ 159,000 <sup>**</sup>
2 -11 1/2 NPT	ANSI G	TNPT32T	3P	59.797	120	50	28.00	46	35	38	6	2	¥ 249,000 <sup>**</sup>
2 1/2-8 NPT	ANSI G	TNPT40X	3P	72.273	145	65	40.80	55	41	44	8	2	¥ 410,000 <sup>**</sup>
3 -8 NPT	ANSI G	TNPT48X	3P	88.184	155	65	42.95	65	50	52	8	2	¥ 635,000 <sup>**</sup>