

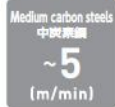
Overall length	Thread length	Position on basic dia.	Shank dia.	Size of square	Length of square
L	ℓ	ℓg	Ds	K	ℓk

NPT

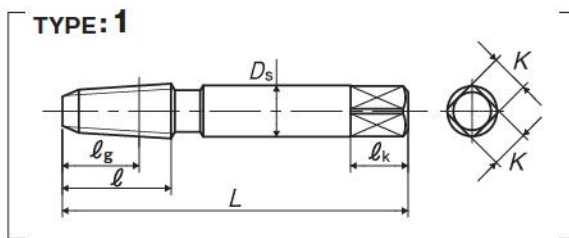
Hand Taps for American Taper Pipe Threads Specification



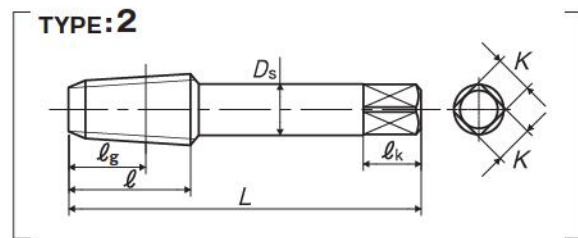
Recommended Tapping Speeds depending on Materials



For icon explanation, refer to P.24



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	Stock
For American Pipe Threads													
NPT 1/16-27	ANSI G	TNPT01L	3P	7.770	54	17	12	8	6	9	4	1	○
NPT 1/8-27	ANSI G	TNPT02L	3P	10.117	55	19	12.05	8	6	9	4	2	○
NPT 1/4-18	ANSI G	TNPT040	3P	13.426	62	28	17.45	11	9	12	4	2	○
NPT 3/8-18	ANSI G	TNPT060	3P	16.866	65	28	17.65	14	11	14	4	2	○
NPT 1/2-14	ANSI G	TNPT08Q	3P	20.980	80	35	22.85	18	14	17	4	2	○
NPT 3/4-14	ANSI G	TNPT12Q	3P	26.325	85	35	22.95	23	17	20	4	2	○
NPT 1-11.5	ANSI G	TNPT16T	3P	32.934	95	45	27.4	26	21	24	5	2	○
NPT 1 1/4-11.5	ANSI G	TNPT20T	3P	41.689	105	45	28.1	32	26	30	5	2	△
NPT 1 1/2-11.5	ANSI G	TNPT24T	3P	47.760	110	45	28.4	38	29	32	6	2	△
NPT 2-11.5	ANSI G	TNPT32T	3P	59.797	120	50	28	46	35	38	6	2	△
NPT 2 1/2-8	ANSI G	TNPT40X	3P	72.273	145	65	40.8	55	41	44	8	2	△
NPT 3-8	ANSI G	TNPT48X	3P	88.184	155	65	42.95	65	50	52	8	2	△

S-NPT

Hand Taps for American Taper Pipe Threads, Short (ℓ_g) Type

Specification

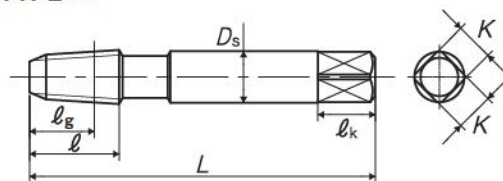


Recommended Tapping Speeds depending on Materials

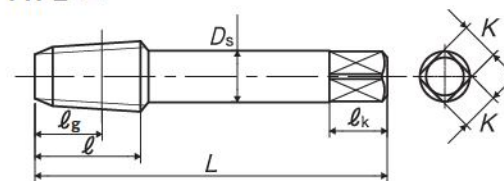


For icon explanation, refer to P.24

TYPE:1



TYPE:2



Segment : 1G

Size	Class	Code	Chamfer	Basic major dia (mm)	L (mm)	ℓ (mm)	ℓ_g (mm)	D_s (mm)	K (mm)	ℓ_k (mm)	No. of flutes	Type	Stock
For American Pipe Threads													
NPT 1/16-27	ANSI G	TSNPT01L	3P	7.770	54	14	10.1	8	6	9	4	1	△
NPT 1/8-27	ANSI G	TSNPT02L	3P	10.117	55	16.5	10.5	8	6	9	4	2	△
NPT 1/4-18	ANSI G	TSNPT040	3P	13.426	62	19.5	12.5	11	9	12	4	2	△
NPT 3/8-18	ANSI G	TSNPT060	3P	16.866	65	21	14	14	11	14	4	2	△
NPT 1/2-14	ANSI G	TSNPT08Q	3P	20.980	80	27	17	18	14	17	4	2	△
NPT 3/4-14	ANSI G	TSNPT12Q	3P	26.325	85	29	19	23	17	20	4	2	△
NPT 1-11.5	ANSI G	TSNPT16T	3P	32.934	95	35	22	26	21	24	5	2	△
NPT 1 1/4-11.5	ANSI G	TSNPT20T	3P	41.689	105	37.5	24.5	32	26	30	5	2	△
NPT 1 1/2-11.5	ANSI G	TSNPT24T	3P	47.760	110	38.5	25.5	38	29	32	6	2	△
NPT 2-11.5	ANSI G	TSNPT32T	3P	59.797	120	42.5	27.5	46	35	38	6	2	△

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

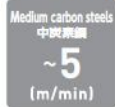
LS-NPT

Long Shank Hand Taps for American Taper Pipe Threads

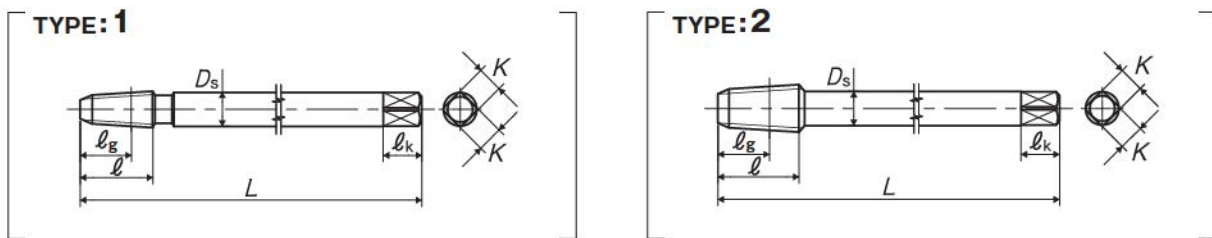
Specification



Recommended Tapping Speeds depending on Materials



For icon explanation, refer to P.24



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	Stock
For American Pipe Threads													
NPT 1/16-27	ANSI G	TNPT01LL10	3P	7.770	100	17	12	8	6	9	4	1	△
NPT 1/8-27	ANSI G	TNPT02LL10	3P	10.117	100	19	12.05	8	6	9	4	2	△
		TNPT02LL15			150								
NPT 1/4-18	ANSI G	TNPT04QL10	3P	13.426	100	28	17.45	11	9	12	4	2	△
		TNPT04QL15			150								
NPT 3/8-18	ANSI G	TNPT06QL10	3P	16.866	100	28	17.65	14	11	14	4	2	△
		TNPT06QL15			150								
NPT 1/2-14	ANSI G	TNPT08QL15	3P	20.980	150	35	22.85	18	14	17	4	2	△
NPT 3/4-14	ANSI G	TNPT12QL15	3P	26.325	150	35	22.95	23	17	20	4	2	△
NPT 1 -11.5	ANSI G	TNPT16TL15	3P	32.934	150	45	27.4	26	21	24	5	2	△

SP-NPT

Spiral Fluted Taps for American Taper Pipe Threads

Specification

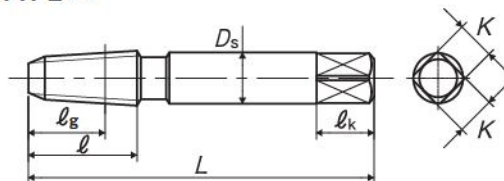


Recommended Tapping Speeds depending on Materials

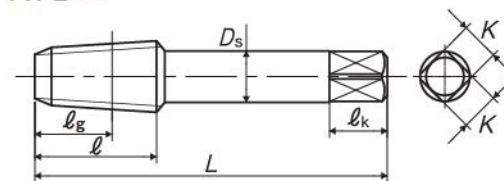
Low carbon steels
低炭鋼
~5
(m/min)

For icon explanation, refer to P.24

TYPE:1



TYPE:2



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	Stock
For American Pipe Threads													
NPT 1/16-27	ANSI G	SNPT01L	2.5P	7.770	54	17	12	8	6	9	3	1	△
NPT 1/8-27	ANSI G	SNPT02L	2.5P	10.117	55	19	12.05	8	6	9	3	2	△
NPT 1/4-18	ANSI G	SNPT040	2.5P	13.426	62	28	17.45	11	9	12	3	2	△
NPT 3/8-18	ANSI G	SNPT060	2.5P	16.866	65	28	17.65	14	11	14	3	2	△
NPT 1/2-14	ANSI G	SNPT08Q	2.5P	20.980	80	35	22.85	18	14	17	4	2	△
NPT 3/4-14	ANSI G	SNPT12Q	2.5P	26.325	85	35	22.95	23	17	20	4	2	△
NPT 1 -11.5	ANSI G	SNPT16T	2.5P	32.934	95	45	27.4	26	21	24	4	2	△

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

LS-SP-S-NPT



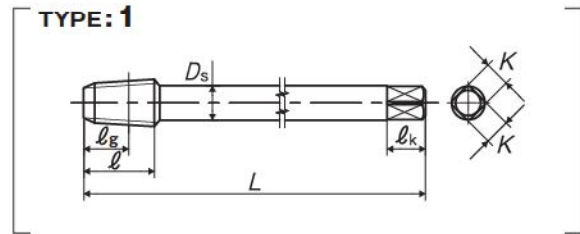
Long Shank Spiral Fluted Taps for American Taper Pipe Threads, Short (ℓg) Type Specification



Recommended Tapping Speeds depending on Materials

Low carbon steels
RED BROWN
~5
(m/min)

For icon explanation, refer to P.24



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	Stock
For American Pipe Threads													
NPT 1/8-27	ANSI G	SSNPT02LL10	2.5P	10.117	100	16.5	10.5	8	6	9	3	1	△
NPT 1/4-18	ANSI G	SSNPT04OL15	2.5P	13.426	150	19.5	12.5	11	9	12	3	1	△
NPT 3/8-18	ANSI G	SSNPT06OL15	2.5P	16.866	150	21	14	14	11	14	3	1	△
NPT 1/2-14	ANSI G	SSNPT08QL15	2.5P	20.980	150	27	17	18	14	17	4	1	△
NPT 3/4-14	ANSI G	SSNPT12QL15	2.5P	26.325	150	29	19	23	17	20	4	1	△

Spiral Fluted Taps
(for blind hole)

Spiral Fluted Taps
(for through hole)

Spiral Pointed Taps
(for through hole)

Hand Taps

Cemented
Carbide Taps

Roll Taps

Special Thread Taps
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

INT-NPT

Interrupted Taps for American Taper Pipe Threads

Specification

HSS

OX

Oxide



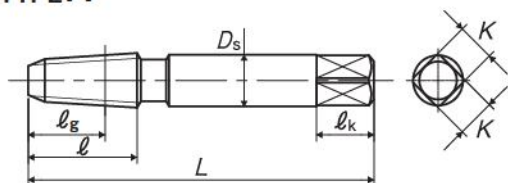
■INT-NPT having low left-hand spiral flutes and having every other thread ground off, reduces cutting torque. INT-NPT is suitable for such sticky materials as stainless steels and chrome molybdenum steels.

Recommended Tapping Speeds depending on Materials

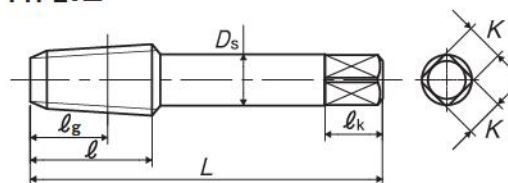
Stainless steels
ステンレス鋼
~5
(m/min)

For icon explanation, refer to P.24

TYPE:1



TYPE:2



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	Stock
For American Pipe Threads													
NPT 1/16-27	ANSI G	TINPT01L	3P	7.770	54	17	12	8	6	9	3	1	△
NPT 1/8-27	ANSI G	TINPT02L	3P	10.117	55	19	12.05	8	6	9	5	2	△
NPT 1/4-18	ANSI G	TINPT040	3P	13.426	62	28	17.45	11	9	12	5	2	△
NPT 3/8-18	ANSI G	TINPT060	3P	16.866	65	28	17.65	14	11	14	5	2	△
NPT 1/2-14	ANSI G	TINPT08Q	3P	20.980	80	35	22.85	18	14	17	5	2	△
NPT 3/4-14	ANSI G	TINPT12Q	3P	26.325	85	35	22.95	23	17	20	5	2	△
NPT 1-11.5	ANSI G	TINPT16T	3P	32.934	95	45	27.4	26	21	24	5	2	△
NPT 1 1/4-11.5	ANSI G	TINPT20T	3P	41.689	105	45	28.1	32	26	30	5	2	△
NPT 1 1/2-11.5	ANSI G	TINPT24T	3P	47.760	110	45	28.4	38	29	32	7	2	△
NPT 2-11.5	ANSI G	TINPT32T	3P	59.797	120	50	28	46	35	38	7	2	△

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

INT-S-NPT



Interrupted Taps for American Taper Pipe Threads, Short (ℓg) Type

Specification

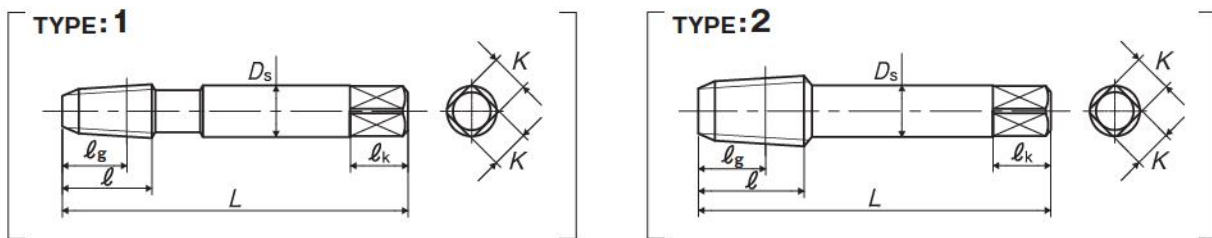


■INT-S-NPT is the tap with short thread portion, and, having low left-hand spiral flutes and having every other thread ground off, reduces cutting torque. INT-S-NPT is suitable for such sticky materials as stainless steels and chrome molybdenum steels.

Recommended Tapping Speeds depending on Materials

Stainless steels
ステンレス鋼
~5
(m/min)

For icon explanation, refer to P.24



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	Stock
For American Pipe Threads													
NPT 1/16-27	ANSI G	TISNT01L	3P	7.770	54	14	10.1	8	6	9	3	1	△
NPT 1/8-27	ANSI G	TISNT02L	3P	10.117	55	16.5	10.5	8	6	9	5	2	△
NPT 1/4-18	ANSI G	TISNT040	3P	13.426	62	19.5	12.5	11	9	12	5	2	△
NPT 3/8-18	ANSI G	TISNT060	3P	16.866	65	21	14	14	11	14	5	2	△
NPT 1/2-14	ANSI G	TISNT08Q	3P	20.980	80	27	17	18	14	17	5	2	△
NPT 3/4-14	ANSI G	TISNT12Q	3P	26.325	85	29	19	23	17	20	5	2	△
NPT 1 -11.5	ANSI G	TISNT16T	3P	32.934	95	35	22	26	21	24	5	2	△
NPT 1 1/4-11.5	ANSI G	TISNT20T	3P	41.689	105	37.5	24.5	32	26	30	5	2	△
NPT 1 1/2-11.5	ANSI G	TISNT24T	3P	47.760	110	38.5	25.5	38	29	32	7	2	△
NPT 2 -11.5	ANSI G	TISNT32T	3P	59.797	120	42.5	27.5	46	35	38	7	2	△