

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

PT

Hand Taps for Taper Pipe Threads, Long (ℓg) Type

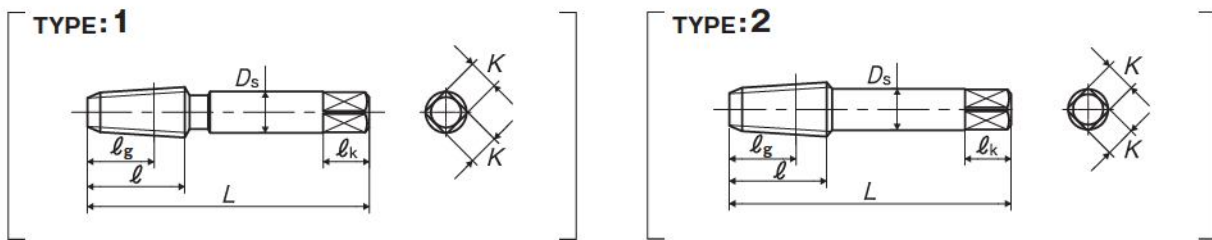
Specification



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 Pipe Threads													
PT 1/16-28	II	TH2T01K-8	2.5P	7.723	55	19	13	8	6	9	4	1	◎
PT 1/8-28	II	TH2T02K	2.5P	9.728	55	19	13	8	6	9	4	2	◎
PT 1/4-19	II	TH2T04-	2.5P	13.157	62	28	21	11	9	12	4	2	◎
PT 3/8-19	II	TH2T06-	2.5P	16.662	65	28	21	14	11	14	4	2	◎
PT 1/2-14	II	TH2T08Q	2.5P	20.955	80	35	25	18	14	17	4	2	◎
PT 5/8-14	II	TH2T10Q	2.5P	22.911	82	35	25	19	15	18	4	2	△
PT 3/4-14	II	TH2T12Q	2.5P	26.441	85	35	25	23	17	20	4	2	◎
PT 7/8-14	II	TH2T14Q	2.5P	30.201	90	40	28	24	19	22	4	2	△
PT 1 -11	II	TH2T16U	2.5P	33.249	95	45	32	26	21	24	5	2	◎
PT 1 1/8-11	II	TH2T18U	2.5P	37.897	100	45	32	28	21	24	5	2	△
PT 1 1/4-11	II	TH2T20U	2.5P	41.910	105	45	32	32	26	30	5	2	◎
PT 1 1/2-11	II	TH2T24U	2.5P	47.803	110	45	32	38	29	32	6	2	◎
PT 1 3/4-11	II	TH2T28U	2.5P	53.746	115	45	32	42	32	35	6	2	△
PT 2 -11	II	TH2T32U	2.5P	59.614	120	50	35	46	35	38	6	2	◎
PT 2 1/4-11	II	TH2T36U	2.5P	65.710	145	65	50	50	38	42	6	2	△
PT 2 1/2-11	II	TH2T40U	2.5P	75.184	145	65	50	55	41	44	8	2	△
PT 3 -11	II	TH2T48U	2.5P	87.884	155	65	52	65	50	52	8	2	△
PT 3 1/2-11	II	TH2T56U	2.5P	100.330	165	68	52	70	54	58	8	2	△
PT 4 -11	II	TH2T64U	2.5P	113.030	170	70	55	75	58	62	10	2	△

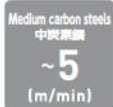
PT LH

Hand Taps for Taper Pipe Threads Long (ℓg) Type for LH Threads

Specification

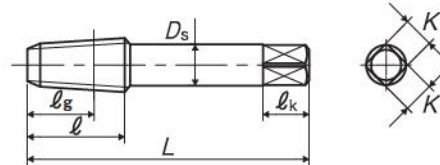


Recommended Tapping Speeds depending on Materials



For icon explanation, refer to P.24

TYPE: 1



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 Pipe Threads													
PT 1/8-28	II	TH2T02K--L	2.5P	9.728	55	19	13	8	6	9	4	1	△
PT 1/4-19	II	TH2T04---L	2.5P	13.157	62	28	21	11	9	12	4	1	△
PT 3/8-19	II	TH2T06---L	2.5P	16.662	65	28	21	14	11	14	4	1	△
PT 1/2-14	II	TH2T08Q--L	2.5P	20.955	80	35	25	18	14	17	4	1	△
PT 3/4-14	II	TH2T12Q--L	2.5P	26.441	85	35	25	23	17	20	4	1	△
PT 1 -11	II	TH2T16U--L	2.5P	33.249	95	45	32	26	21	24	5	1	△
PT 1 1/4-11	II	TH2T20U--L	2.5P	41.910	105	45	32	32	26	30	5	1	△
PT 1 1/2-11	II	TH2T24U--L	2.5P	47.803	110	45	32	38	29	32	6	1	△
PT 2 -11	II	TH2T32U--L	2.5P	59.614	120	50	35	46	35	38	6	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

Pipe-3

300

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

PT-X

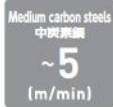
X Series Hand Taps for Taper Pipe Threads Short (ℓg) Type

Specification

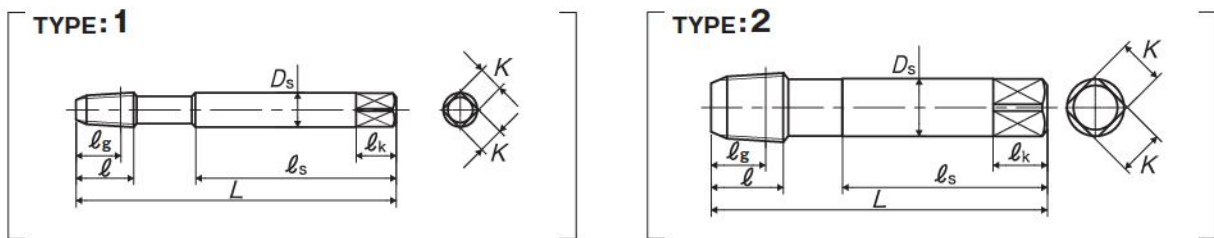


■PT-X Hand Tap, adopting new tap blank, ensures properly long projection length of the tool. Having short thread length, this tap is suitable for tapping of such machine components as have the limit in their thickness.

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)	ℓs (mm)	Ds (mm)	K (mm)	ℓk (mm)	No. of flutes	Type	Stock
For Pipe Threads														
PT 1/16-28	II	THX2T01K-8	2.5P	7.723	75	13.5	10.5	47	8	6	9	4	1	○
PT 1/8-28	II	THX2T02K	2.5P	9.728	75	13.5	10.5	48	8	6	9	4	2	○
PT 1/4-19	II	THX2T04-	2.5P	13.157	85	16.5	12.5	54	11	9	12	4	2	○
PT 3/8-19	II	THX2T06-	2.5P	16.662	95	18	14	60	14	11	14	4	2	○
PT 1/2-14	II	THX2T08Q	2.5P	20.955	105	22.5	17	64	18	14	17	4	2	○

S-PT

Hand Taps for Taper Pipe Threads Short (ℓ_g) Type
Specification

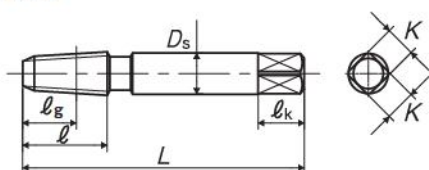


Recommended Tapping Speeds depending on Materials

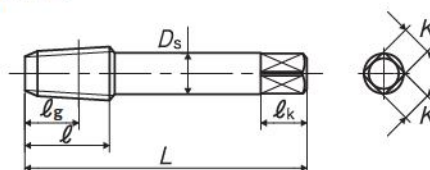


For icon explanation, refer to P.24

TYPE:1



TYPE:2



Segment : 1G

Size	Class	Code	Chamfer	Basic major dia (mm)	L (mm)	l (mm)	lg (mm)	Ds (mm)	K (mm)	lk (mm)	No. of flutes	Type	Stock
For Pipe Threads													
PT 1/16-28	II	TSPT01K-8	2.5P	7.723	55	16.5	10.5	8	6	9	4	1	○
PT 1/8-28	II	TSPT02K	2.5P	9.728	55	16.5	10.5	8	6	9	4	2	◎
PT 1/4-19	II	TSPT04-	2.5P	13.157	62	19.5	12.5	11	9	12	4	2	◎
PT 3/8-19	II	TSPT06-	2.5P	16.662	65	21	14	14	11	14	4	2	◎
PT 1/2-14	II	TSPT08Q	2.5P	20.955	80	27	17	18	14	17	4	2	◎
PT 3/4-14	II	TSPT12Q	2.5P	26.441	85	29	19	23	17	20	4	2	◎
PT 1 -11	II	TSPT16U	2.5P	33.249	95	35	22	26	21	24	5	2	◎
PT 1 1/4-11	II	TSPT20U	2.5P	41.910	105	37.5	24.5	32	26	30	5	2	○
PT 1 1/2-11	II	TSPT24U	2.5P	47.803	110	38.5	25.5	38	29	32	6	2	○
PT 1 3/4-11	II	TSPT28U	2.5P	53.746	115	39.5	26.5	42	32	35	6	2	△
PT 2 -11	II	TSPT32U	2.5P	59.614	120	42.5	27.5	46	35	38	6	2	○
PT 2 1/2-11	II	TSPT40U	2.5P	75.184	145	47	32	55	41	44	8	2	△
PT 3 -11	II	TSPT48U	2.5P	87.884	155	51	36	65	50	52	8	2	△

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

S-PT LH

Hand Taps for Taper Pipe Threads Short (ℓg) Type for LH Threads

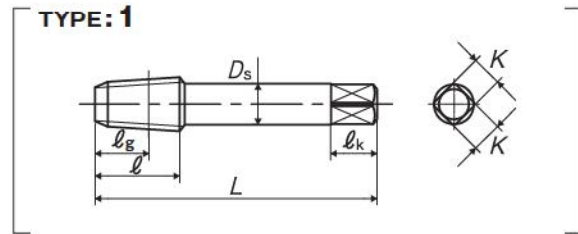
Specification



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 Pipe Threads													
PT 1/8-28	II	TSPT02K--L	2.5P	9.728	55	16.5	10.5	8	6	9	4	1	△
PT 1/4-19	II	TSPT04---L	2.5P	13.157	62	19.5	12.5	11	9	12	4	1	△
PT 3/8-19	II	TSPT06---L	2.5P	16.662	65	21	14	14	11	14	4	1	△
PT 1/2-14	II	TSPT08Q--L	2.5P	20.955	80	27	17	18	14	17	4	1	△
PT 3/4-14	II	TSPT12Q--L	2.5P	26.441	85	29	19	23	17	20	4	1	△
PT 1 -11	II	TSPT16U--L	2.5P	33.249	95	35	22	26	21	24	5	1	△
PT 1 1/4-11	II	TSPT20U--L	2.5P	41.910	105	37.5	24.5	32	26	30	5	1	△
PT 1 1/2-11	II	TSPT24U--L	2.5P	47.803	110	38.5	25.5	38	29	32	6	1	△
PT 2 -11	II	TSPT32U--L	2.5P	59.614	120	42.5	27.5	46	35	38	6	1	△

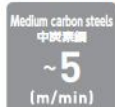
LS-PT

Long Shank Hand Taps for Taper Pipe Threads Long (ℓ_g) Type

Specification



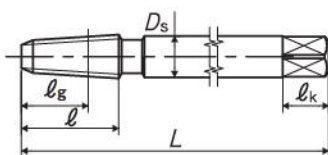
Recommended Tapping Speeds depending on Materials



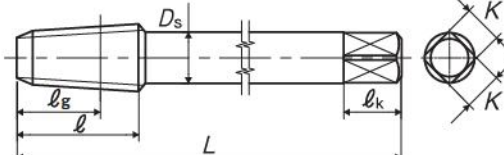
For icon explanation, refer to P.24



TYPE:1



TYPE:2



Segment : 1G

Size	Class	Code	Chamfer	Basic major dia (mm)	L (mm)	ℓ (mm)	ℓ_g (mm)	Ds (mm)	K (mm)	ℓ_k (mm)	No. of flutes	Type	Stock
For Pipe Threads													
PT 1/16-28	II	L10T01K-8	2.5P	7.723	100	19	13	8	6	9	4	1	△
PT 1/8-28	II	L10T02K	2.5P	9.728	100	19	13	8	6	9	4	2	○
		L15T02K			150								△
		L20T02K			200								△
PT 1/4-19	II	L10T04-	2.5P	13.157	100	28	21	11	9	12	4	2	○
		L15T04-			150								△
		L20T04-			200								△
PT 3/8-19	II	L10T06-	2.5P	16.662	100	28	21	14	11	14	4	2	○
		L12T06-			120								△
		L15T06-			150								○
		L20T06-			200								△
PT 1/2-14	II	L15T08Q	2.5P	20.955	150	35	25	18	14	17	4	2	○
		L20T08Q			200								△
PT 3/4-14	II	L15T12Q	2.5P	26.441	150	35	25	23	17	20	4	2	○
		L20T12Q			200								△
PT 1 -11	II	L15T16U	2.5P	33.249	150	45	32	26	21	24	5	2	○
		L20T16U			200								△
PT 1 1/4-11	II	-	2.5P	41.910	200	45	32	32	26	30	5	2	△
PT 1 1/2-11	II	-	2.5P	47.803	200	45	32	38	29	32	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-S-PT



Long Shank Hand Taps for Taper Pipe Threads, Short (ℓg) Type

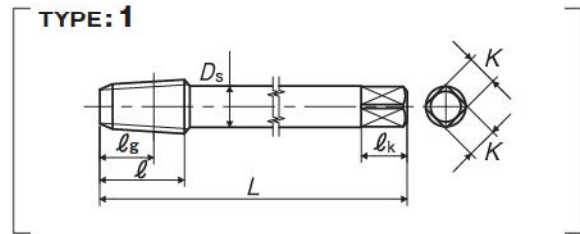
Specification



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 Pipe Threads													
PT 1/8-28	II	TSPT02KL10	2.5P	9.728	100	16.5	10.5	8	6	9	4	1	○
		TSPT02KL15			150								△
		TSPT02KL20			200								△
PT 1/4-19	II	TSPT04-L10	2.5P	13.157	100	19.5	12.5	11	9	12	4	1	○
		TSPT04-L15			150								△
		TSPT04-L20			200								△
PT 3/8-19	II	TSPT06-L10	2.5P	16.662	100	21	14	14	11	14	4	1	○
		TSPT06-L12			120								△
		TSPT06-L15			150								○
		TSPT06-L20			200								△
PT 1/2-14	II	TSPT08QL15	2.5P	20.955	150	27	17	18	14	17	4	1	○
		TSPT08QL20			200								△
PT 3/4-14	II	TSPT12QL15	2.5P	26.441	150	29	19	23	17	20	4	1	○
		TSPT12QL20			200								△
PT 1-11	II	TSPT16UL15	2.5P	33.249	150	35	22	26	21	24	5	1	○
		TSPT16UL20			200								△

SP-PT

Spiral Fluted Taps for Taper Pipe Threads, Long (ℓ_g) Type

Specification

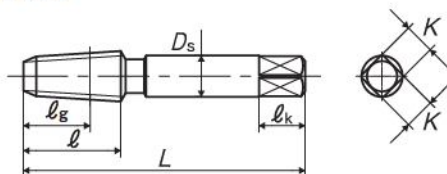


Recommended Tapping Speeds depending on Materials

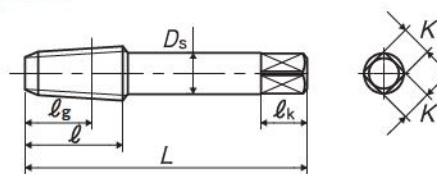
Low carbon steels
低炭素鋼
~5
(m/min)

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)	ℓ_g (mm)	Ds (mm)	K (mm)	ℓ_k (mm)	No. of flutes	Type	Stock
For Pipe Threads													
PT 1/16-28	II	SH2T01K-8	2.5P	7.723	55	19	13	8	6	9	3	1	△
PT 1/8-28	II	SH2T02K	2.5P	9.728	55	19	13	8	6	9	3	2	◎
PT 1/4-19	II	SH2T04-	2.5P	13.157	62	28	21	11	9	12	3	2	◎
PT 3/8-19	II	SH2T06-	2.5P	16.662	65	28	21	14	11	14	3	2	◎
PT 1/2-14	II	SH2T08Q	2.5P	20.955	80	35	25	18	14	17	4	2	○
PT 3/4-14	II	SH2T12Q	2.5P	26.441	85	35	25	23	17	20	4	2	○
PT 1 -11	II	SH2T16U	2.5P	33.249	95	45	32	26	21	24	4	2	○
PT 1 1/4-11	II	SH2T20U	2.5P	41.910	105	45	32	32	26	30	4	2	△
PT 1 1/2-11	II	SH2T24U	2.5P	47.803	110	45	32	38	29	32	4	2	△
PT 2 -11	II	SH2T32U	2.5P	59.614	120	50	35	46	35	38	4	2	△

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

SP-S-PT

Spiral Fluted Taps for Taper Pipe Threads Short (ℓg) Type

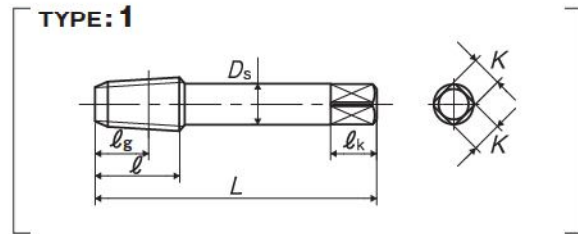
Specification



Recommended Tapping Speeds depending on Materials

Low carbon steels
RECOMMENDED
~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 Pipe Threads													
PT 1/8-28	II	SSPT02K	2.5P	9.728	55	16.5	10.5	8	6	9	3	1	○
PT 1/4-19	II	SSPT04-	2.5P	13.157	62	19.5	12.5	11	9	12	3	1	○
PT 3/8-19	II	SSPT06-	2.5P	16.662	65	21	14	14	11	14	3	1	○
PT 1/2-14	II	SSPT08Q	2.5P	20.955	80	27	17	18	14	17	4	1	○
PT 3/4-14	II	SSPT12Q	2.5P	26.441	85	29	19	23	17	20	4	1	○
PT 1 -11	II	SSPT16U	2.5P	33.249	95	35	22	26	21	24	4	1	○
PT 1 1/4-11	II	SSPT20U	2.5P	41.910	105	37.5	24.5	32	26	30	4	1	△
PT 1 1/2-11	II	SSPT24U	2.5P	47.803	110	38.5	25.5	38	29	32	4	1	△
PT 2 -11	II	SSPT32U	2.5P	59.614	120	42.5	27.5	46	35	38	4	1	△

SP-PT-X

X Series Spiral Fluted Taps for Taper Pipe Threads Short (ℓ_g) Type

Specification



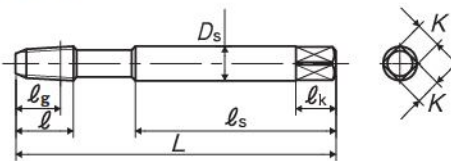
■SP-PT-X Spiral Fluted Tap, adopting new blank, ensures properly long projection length of the tool. Having short thread length, this tap is suitable for tapping of such machine components as have the limit in their thickness.

Recommended Tapping Speeds depending on Materials

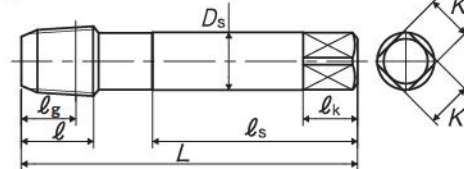
Low carbon steels
低炭素鋼
~5
(m/min)

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)	ℓ_g (mm)	ℓ_s (mm)	Ds (mm)	K (mm)	ℓ_k (mm)	No. of flutes	Type	Stock
For Pipe Threads														
PT 1/16-28	II	SHX2T01K-8	2.5P	7.723	75	13.5	10.5	47	8	6	9	3	1	○
PT 1/8-28	II	SHX2T02K	2.5P	9.728	75	13.5	10.5	48	8	6	9	3	2	○
PT 1/4-19	II	SHX2T04-	2.5P	13.157	85	16.5	12.5	54	11	9	12	3	2	○
PT 3/8-19	II	SHX2T06-	2.5P	16.662	95	18	14	60	14	11	14	3	2	○
PT 1/2-14	II	SHX2T08Q	2.5P	20.955	105	22.5	17	64	18	14	17	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-PT



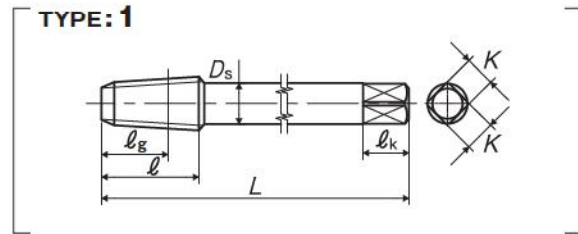
Long Shank Spiral Fluted Taps for Taper Pipe Threads, Long (ℓg) Type
Specification



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 Pipe Threads													
PT 1/8-28	II	SH2T02KL10	2.5P	9.728	100	19	13	8	6	9	3	1	$\triangle$
		SH2T02KL12			120								
		SH2T02KL15			150								
PT 1/4-19	II	SH2T04-L10	2.5P	13.157	100	28	21	11	9	12	3	1	$\triangle$
		SH2T04-L12			120								
		SH2T04-L15			150								
PT 3/8-19	II	SH2T06-L12	2.5P	16.662	120	28	21	14	11	14	3	1	$\triangle$
		SH2T06-L15			150								
PT 1/2-14	II	SH2T08QL15	2.5P	20.955	150	35	25	18	14	17	4	1	$\triangle$
PT 3/4-14	II	SH2T12QL15	2.5P	26.441	150	35	25	23	17	20	4	1	$\triangle$
PT 1 -11	II	SH2T16UL15	2.5P	33.249	150	45	32	26	21	24	4	1	$\triangle$
		SH2T16UL20			200								

LS-SP-S-PT



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

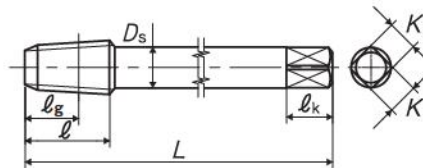


Recommended Tapping Speeds depending on Materials

Low carbon steels
低炭素鋼
~5
(m/min)

For icon explanation, refer to P.24

TYPE: 1



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 Pipe Threads													
PT 1/8-28	II	SSPT02KL10	2.5P	9.728	100	16.5	10.5	8	6	9	3	1	△
		SSPT02KL12			120								
		SSPT02KL15			150								
PT 1/4-19	II	SSPT04-L10	2.5P	13.157	100	19.5	12.5	11	9	12	3	1	△
		SSPT04-L12			120								
		SSPT04-L15			150								
PT 3/8-19	II	SSPT06-L12	2.5P	16.662	120	21	14	14	11	14	3	1	△
		SSPT06-L15			150								
PT 1/2-14	II	SSPT08QL15	2.5P	20.955	150	27	17	18	14	17	4	1	△
PT 3/4-14	II	SSPT12QL15	2.5P	26.441	150	29	19	23	17	20	4	1	△
PT 1 -11	II	SSPT16UL15	2.5P	33.249	150	35	22	26	21	24	4	1	△
		SSPT16UL20			200								

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

INT-PT

Interrupted Taps for Taper Pipe Threads, Long (ℓg) Type

Specification

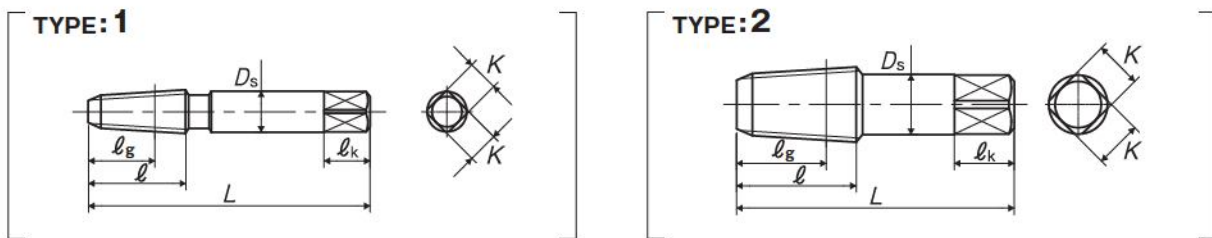


■INT-PT having low left-hand spiral flutes and having every other thread ground off, reduces cutting torque.
INT-PT is suitable for such sticky materials as stainless steels and chrome molybdenum steels.

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 Pipe Threads													
PT 1/16-28	II	TINT01K-8	3P	7.723	55	19	13	8	6	9	3	1	△
PT 1/8-28	II	TINT02K	3P	9.728	55	19	13	8	6	9	5	2	○
PT 1/4-19	II	TINT04-	3P	13.157	62	28	21	11	9	12	5	2	○
PT 3/8-19	II	TINT06-	3P	16.662	65	28	21	14	11	14	5	2	○
PT 1/2-14	II	TINT08Q	3P	20.955	80	35	25	18	14	17	5	2	○
PT 3/4-14	II	TINT12Q	3P	26.441	85	35	25	23	17	20	5	2	○
PT 1 -11	II	TINT16U	3P	33.249	95	45	32	26	21	24	5	2	○
PT 1 1/4-11	II	TINT20U	3P	41.910	105	45	32	32	26	30	5	2	○
PT 1 1/2-11	II	TINT24U	3P	47.803	110	45	32	38	29	32	7	2	○
PT 2 -11	II	TINT32U	3P	59.614	120	50	35	46	35	38	7	2	△

INT-S-PT

Interrupted Taps for Taper Pipe Threads, Short (ℓ_g) Type

Specification

HSS

OX

Oxide



■INT-S-PT Short Spiral Fluted Tap, having low left-hand spiral flutes and having every other thread ground off, reduces cutting torque.

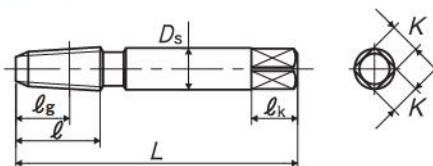
INT-S-PT is suitable for such sticky materials as stainless steels and chrome molybdenum steels.

Recommended Tapping Speeds depending on Materials

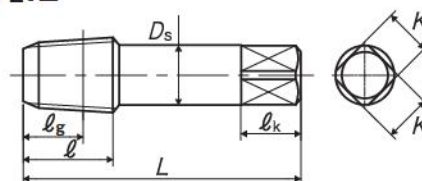
Stainless steels
ステンレス鋼
~5
(m/min)

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)	ℓ_g (mm)	Ds (mm)	K (mm)	ℓ_k (mm)	No. of flutes	Type	Stock
For Pipe Threads													
PT 1/16-28	II	TIST01K-8	3P	7.723	55	16.5	10.5	8	6	9	3	1	△
PT 1/8-28	II	TIST02K	3P	9.728	55	16.5	10.5	8	6	9	5	2	○
PT 1/4-19	II	TIST04-	3P	13.157	62	19.5	12.5	11	9	12	5	2	○
PT 3/8-19	II	TIST06-	3P	16.662	65	21	14	14	11	14	5	2	○
PT 1/2-14	II	TIST08Q	3P	20.955	80	27	17	18	14	17	5	2	○
PT 3/4-14	II	TIST12Q	3P	26.441	85	29	19	23	17	20	5	2	○
PT 1 -11	II	TIST16U	3P	33.249	95	35	22	26	21	24	5	2	○
PT 1 1/4-11	II	TIST20U	3P	41.910	105	37.5	24.5	32	26	30	5	2	○
PT 1 1/2-11	II	TIST24U	3P	47.803	110	38.5	25.5	38	29	32	7	2	○
PT 2 -11	II	TIST32U	3P	59.614	120	42.5	27.5	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

LS-INT-PT



Long Shank Interrupted Taps for Taper Pipe Threads, Long (ℓg) Type

Specification



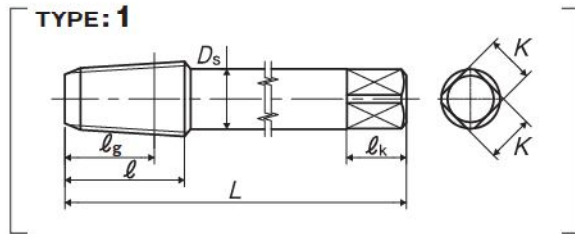
■LS-INT-PT Long Shank Spiral Fluted Tap, having low left-hand spiral flutes and having every other thread ground off, reduces cutting torque.

LS-INT-PT is suitable for such sticky materials as stainless steels and chrome molybdenum steels.

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 Pipe Threads													
PT 1/8-28	II	TINT02KL10	3P	9.728	100	19	13	8	6	9	5	1	$\triangle$
		TINT02KL12			120								
		TINT02KL15			150								
PT 1/4-19	II	TINT04-L10	3P	13.157	100	28	21	11	9	12	5	1	$\triangle$
		TINT04-L12			120								
		TINT04-L15			150								
PT 3/8-19	II	TINT06-L10	3P	16.662	100	28	21	14	11	14	5	1	$\triangle$
		TINT06-L12			120								
		TINT06-L15			150								
PT 1/2-14	II	TINT08QL15	3P	20.955	150	35	25	18	14	17	5	1	$\triangle$
PT 3/4-14	II	TINT12QL15	3P	26.441	150	35	25	23	17	20	5	1	$\triangle$
PT 1 -11	II	TINT16UL15	3P	33.249	150	45	32	26	21	24	5	1	$\triangle$
		TINT16UL20			200								

LS-INT-S-PT



Long Shank Interrupted Taps for Taper Pipe Threads, Short (ℓ_g) Type

Specification

HSS

OX

Oxide



■LS-INT-S-PT Long Shank Short Spiral Fluted Tap, having low left-hand spiral flutes and having every other thread ground off, reduces cutting torque.

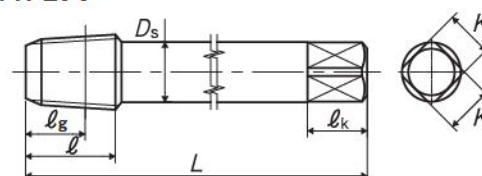
LS-INT-S-PT is suitable for such sticky materials as stainless steels and chrome molybdenum steels.

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



Segment : 1G

Size	Class	Code	Chamfer	Basic major dia (mm)	L (mm)	ℓ (mm)	ℓ_g (mm)	Ds (mm)	K (mm)	ℓ_k (mm)	No. of flutes	Type	Stock
For Pipe Threads													
PT 1/8-28	II	TIST02KL10	3P	9.728	100	16.5	10.5	8	6	9	5	1	△
		TIST02KL12			120								
		TIST02KL15			150								
PT 1/4-19	II	TIST04-L10	3P	13.157	100	19.5	12.5	11	9	12	5	1	△
		TIST04-L12			120								
		TIST04-L15			150								
PT 3/8-19	II	TIST06-L10	3P	16.662	100	21	14	14	11	14	5	1	△
		TIST06-L12			120								
		TIST06-L15			150								
PT 1/2-14	II	TIST08QL15	3P	20.955	150	27	17	18	14	17	5	1	△
PT 3/4-14	II	TIST12QL15	3P	26.441	150	29	19	23	17	20	5	1	△
PT 1 -11	II	TIST16UL15	3P	33.249	150	35	22	26	21	24	5	1	△
		TIST16UL20			200								

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

LC-PT



Hand Taps for Taper Pipe Threads Long (ℓg) Type, for Low Carbon Steels

Specification

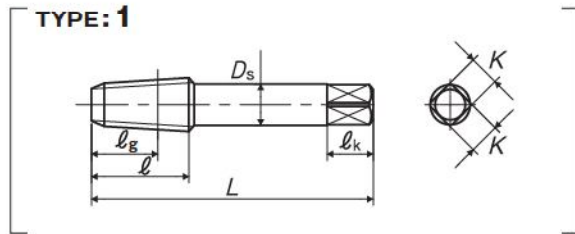


■ Tap suitable for such soft steels (Low Carbon Steels) as SS400 and S25C.

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 Pipe Threads													
PT 1/8-28	II	LCPT02K	2.5P	9.728	55	19	13	8	6	9	4	1	△
PT 1/4-19	II	LCPT04-	2.5P	13.157	62	28	21	11	9	12	4	1	△
PT 3/8-19	II	LCPT06-	2.5P	16.662	65	28	21	14	11	14	4	1	△
PT 1/2-14	II	LCPT08Q	2.5P	20.955	80	35	25	18	14	17	4	1	△
PT 3/4-14	II	LCPT12Q	2.5P	26.441	85	35	25	23	17	20	4	1	△
PT 1 -11	II	LCPT16U	2.5P	33.249	95	45	32	26	21	24	5	1	△
PT 1 1/4-11	II	LCPT20U	2.5P	41.910	105	45	32	32	26	30	5	1	△
PT 1 1/2-11	II	LCPT24U	2.5P	47.803	110	45	32	38	29	32	6	1	△
PT 2 -11	II	LCPT32U	2.5P	59.614	120	50	35	46	35	38	6	1	△

LC-S-PT

Hand Taps for Taper Pipe Threads Short (ℓg) Type, for Low Carbon Steels

Specification



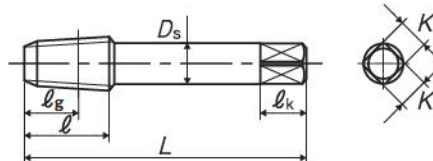
■ Tap, having short thread portion, suitable for such soft steels (Low Carbon Steels) as SS400 and S25C.

Recommended Tapping Speeds depending on Materials

Low carbon steels
低炭鋼
~5
(m/min)

For icon explanation, refer to P.24

TYPE: 1



Segment : 1G

Size	Class	Code	Chamfer	Basic major dia (mm)	L (mm)	ℓ (mm)	ℓg (mm)	D_s (mm)	K (mm)	ℓK (mm)	No. of flutes	Type	Stock
For Pipe Threads													
PT 1/8-28	II	LCSP02K	2.5P	9.728	55	16.5	10.5	8	6	9	4	1	△
PT 1/4-19	II	LCSP04-	2.5P	13.157	62	19.5	12.5	11	9	12	4	1	△
PT 3/8-19	II	LCSP06-	2.5P	16.662	65	21	14	14	11	14	4	1	△
PT 1/2-14	II	LCSP08Q	2.5P	20.955	80	27	17	18	14	17	4	1	△
PT 3/4-14	II	LCSP12Q	2.5P	26.441	85	29	19	23	17	20	4	1	△
PT 1-11	II	LCSP16U	2.5P	33.249	95	35	22	26	21	24	5	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

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

SU-PT



Hand Taps for Taper Pipe Threads Long (ℓg) Type, for Stainless Steels

Specification

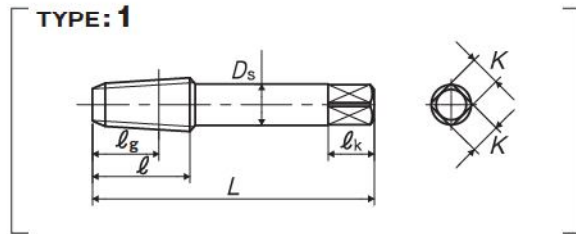


■SU-PT is the hand tap suitable for stainless steels which tend to work-harden and sticky, as well as chrome steels and molybdenum steels.

Recommended Tapping Speeds depending on Materials

Low carbon steels 低炭素鋼	Stainless steels ステンレス鋼
~5 (m/min)	~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 Pipe Threads													
PT 1/8-28	II	TU2T02K	2.5P	9.728	55	19	13	8	6	9	4	1	△
PT 1/4-19	II	TU2T04-	2.5P	13.157	62	28	21	11	9	12	4	1	△
PT 3/8-19	II	TU2T06-	2.5P	16.662	65	28	21	14	11	14	4	1	△
PT 1/2-14	II	TU2T08Q	2.5P	20.955	80	35	25	18	14	17	4	1	△
PT 3/4-14	II	TU2T12Q	2.5P	26.441	85	35	25	23	17	20	4	1	△
PT 1-11	II	TU2T16U	2.5P	33.249	95	45	32	26	21	24	4	1	△
PT 1 1/4-11	II	TU2T20U	2.5P	41.910	105	45	32	32	26	30	5	1	△
PT 1 1/2-11	II	TU2T24U	2.5P	47.803	110	45	32	38	29	32	6	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

SU-S-PT

Hand Taps for Taper Pipe Threads Short (ℓg) Type, for Stainless Steels

Specification



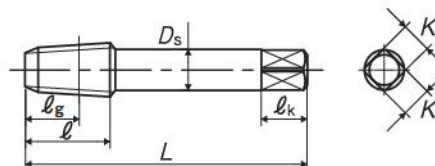
■SU-S-PT is the hand tap with short thread portion, suitable for stainless steels which tend to work-harden and sticky, as well as chrome steels and molybdenum steels.

Recommended Tapping Speeds depending on Materials



For icon explanation, refer to P.24

TYPE: 1



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 Pipe Threads													
PT 1/8-28	II	TUST02K	2.5P	9.728	55	16.5	10.5	8	6	9	4	1	△
PT 1/4-19	II	TUST04-	2.5P	13.157	62	19.5	12.5	11	9	12	4	1	△
PT 3/8-19	II	TUST06-	2.5P	16.662	65	21	14	14	11	14	4	1	△
PT 1/2-14	II	TUST08Q	2.5P	20.955	80	27	17	18	14	17	4	1	△
PT 3/4-14	II	TUST12Q	2.5P	26.441	85	29	19	23	17	20	4	1	△
PT 1-11	II	TUST16U	2.5P	33.249	95	35	22	26	21	24	4	1	△
PT 1 1/4-11	II	TUST20U	2.5P	41.910	105	37.5	24.5	32	26	30	5	1	△
PT 1 1/2-11	II	TUST24U	2.5P	47.803	110	38.5	25.5	38	29	32	6	1	△

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

SU-SP-PT



Spiral Fluted Taps for Taper Pipe Threads, Long (ℓg) Type for Stainless Steels
Specification

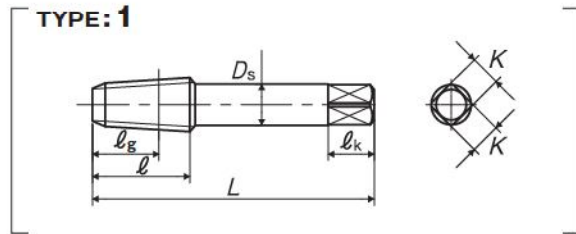


■SU-SP-PT is the tap suitable for stainless steels which tend to work-harden and sticky, as well as chrome steels and molybdenum steels, blind hole use.

Recommended Tapping Speeds depending on Materials

Low carbon steels 低炭素鋼 ~5 (m/min)	Alloy steels 合金鋼 ~5 (m/min)	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 Pipe Threads													
PT 1/8-28	II	-	2P	9.728	55	19	13	8	6	9	4	1	△
PT 1/4-19	II	-	2P	13.157	62	28	21	11	9	12	4	1	△
PT 3/8-19	II	-	2P	16.662	65	28	21	14	11	14	4	1	△
PT 1/2-14	II	-	2P	20.955	80	35	25	18	14	17	4	1	△
PT 3/4-14	II	-	2P	26.441	85	35	25	23	17	20	4	1	△
PT 1-11	II	-	2P	33.249	95	45	32	26	21	24	5	1	△

SU-SP-S-PT

Spiral Fluted Taps for Taper Pipe Threads Short (ℓ_g) Type for Stainless Steels

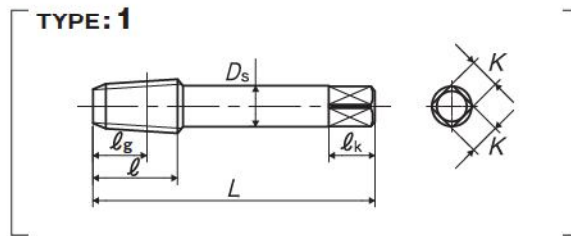


■SU-SP-S-PT is the tap with short thread portion, suitable for stainless steels which tend to work-harden and sticky, as well as chrome steels and molybdenum steels, blind hole use.

Recommended Tapping Speeds depending on Materials

Low carbon steels 低炭素鋼	Alloy steels 合金鋼	Stainless steels ステンレス鋼
~5 (m/min)	~5 (m/min)	~5 (m/min)

For icon explanation, refer to P.24



Segment : 1G

Size	Class	Code	Chamfer	Basic major dia (mm)	L (mm)	ℓ (mm)	ℓ_g (mm)	Ds (mm)	K (mm)	ℓ_k (mm)	No. of flutes	Type	Stock
For Pipe Threads													
PT 1/8-28	II	-	2P	9.728	55	16.5	10.5	8	6	9	4	1	△
PT 1/4-19	II	-	2P	13.157	62	19.5	12.5	11	9	12	4	1	△
PT 3/8-19	II	-	2P	16.662	65	21	14	14	11	14	4	1	△
PT 1/2-14	II	-	2P	20.955	80	27	17	18	14	17	4	1	△
PT 3/4-14	II	-	2P	26.441	85	29	19	23	17	20	4	1	△
PT 1-11	II	-	2P	33.249	95	35	22	26	21	24	5	1	△

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

FC-PT

Hand Taps for Taper Pipe Threads, Long (ℓg) Type, for Cast Irons

Specification

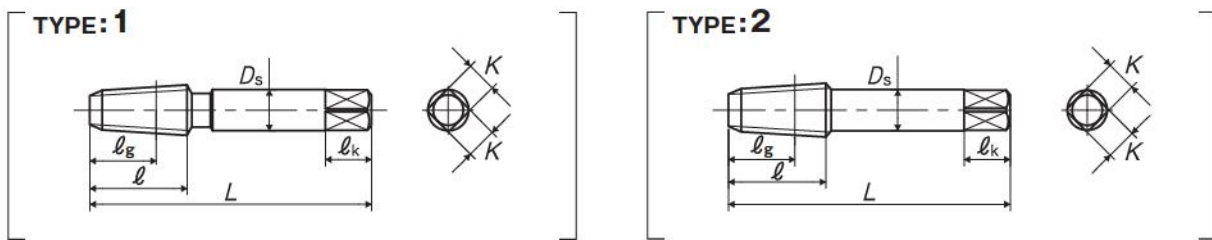


■FC-PT is suitable for hard and abrasive materials such as cast irons.

Recommended Tapping Speeds depending on Materials

Cast Irons 鑄鉄	Ductile cast irons 強靱鑄鉄
~5 (m/min)	~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 Pipe Threads													
PT 1/16-28	II	FCPT01K-8	2.5P	7.723	55	19	13	8	6	9	4	1	△
PT 1/8-28	II	FCPT02K	2.5P	9.728	55	19	13	8	6	9	4	2	△
PT 1/4-19	II	FCPT04-	2.5P	13.157	62	28	21	11	9	12	4	2	△
PT 3/8-19	II	FCPT06-	2.5P	16.662	65	28	21	14	11	14	4	2	△
PT 1/2-14	II	FCPT08Q	2.5P	20.955	80	35	25	18	14	17	4	2	△
PT 3/4-14	II	FCPT12Q	2.5P	26.441	85	35	25	23	17	20	4	2	△
PT 1 -11	II	FCPT16U	2.5P	33.249	95	45	32	26	21	24	5	2	△
PT 1 1/4-11	II	FCPT20U	2.5P	41.910	105	45	32	32	26	30	5	2	△
PT 1 1/2-11	II	FCPT24U	2.5P	47.803	110	45	32	38	29	32	6	2	△
PT 2 -11	II	FCPT32U	2.5P	59.614	120	50	35	46	35	38	6	2	△

FC-S-PT

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

Specification



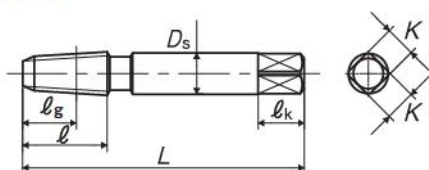
■FC-S-PT is the tap with short thread portion, suitable for hard and abrasive materials such as cast irons.

Recommended Tapping Speeds depending on Materials

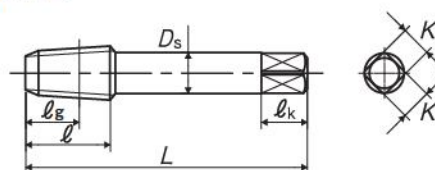
Cast Irons 鑄鉄	Ductile cast irons 強靱鑄鉄
~5 (m/min)	~5 (m/min)

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 Pipe Threads													
PT 1/16-28	II	FCST01K-8	2.5P	7.723	55	16.5	10.5	8	6	9	4	1	△
PT 1/8-28	II	FCST02K	2.5P	9.728	55	16.5	10.5	8	6	9	4	2	△
PT 1/4-19	II	FCST04-	2.5P	13.157	62	19.5	12.5	11	9	12	4	2	△
PT 3/8-19	II	FCST06-	2.5P	16.662	65	21	14	14	11	14	4	2	△
PT 1/2-14	II	FCST08Q	2.5P	20.955	80	27	17	18	14	17	4	2	△
PT 3/4-14	II	FCST12Q	2.5P	26.441	85	29	19	23	17	20	4	2	△
PT 1 -11	II	FCST16U	2.5P	33.249	95	35	22	26	21	24	5	2	△
PT 1 1/4-11	II	FCST20U	2.5P	41.910	105	37.5	24.5	32	26	30	5	2	△
PT 1 1/2-11	II	FCST24U	2.5P	47.803	110	38.5	25.5	38	29	32	6	2	△
PT 2 -11	II	FCST32U	2.5P	59.614	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

CT-PT

Carbide Taps for Taper Pipe Threads, Long (ℓg) Type, for Cast Irons

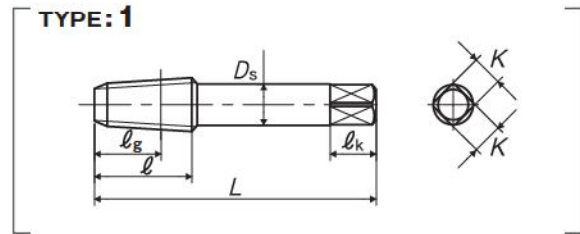
Specification



Recommended Tapping Speeds depending on Materials

Cast Irons 鑄鉄 ~5 (m/min)	Ductile cast Irons 強靱鑄鉄 ~5 (m/min)	Brass castings 黄銅鑄物 ~5 (m/min)
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For icon explanation, refer to P.24



Segment : 1L

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 Pipe Threads													
PT 1/8-28	II	TCPT02K	2.5P	9.728	55	19	13	8	6	9	4	1	△
PT 1/4-19	II	TCPT04-	2.5P	13.157	62	28	21	11	9	12	4	1	△
PT 3/8-19	II	TCPT06-	2.5P	16.662	65	28	21	14	11	14	4	1	△
PT 1/2-14	II	TCPT08Q	2.5P	20.955	80	35	25	18	14	17	4	1	△
PT 3/4-14	II	TCPT12Q	2.5P	26.441	85	35	25	23	17	20	4	1	△
PT 1-11	II	TCPT16U	2.5P	33.249	95	45	32	26	21	24	5	1	△

Spiral Fluted Taps
(for blind hole)

Spiral Fluted Taps
(for through hole)

Spiral Fluted Taps
(for through hole)

Hand Taps
Spiral Pointed Taps
(for through hole)

Cemented
Carbide Taps

Roll Taps

Special Thread Taps
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools

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

CT-S-PT

Carbide Taps for Taper Pipe Threads, Short (ℓg) Type, for Cast Irons

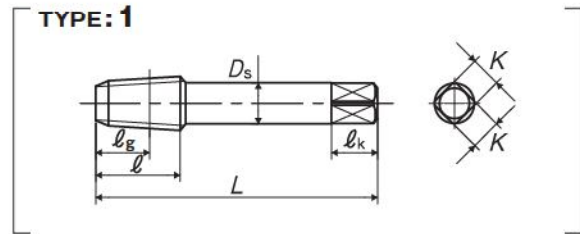
Specification



Recommended Tapping Speeds depending on Materials

Cast Irons 鑄鉄 ~5 (m/min)	Ductile cast Irons 強靱鑄鉄 ~5 (m/min)	Brass castings 黄銅鑄造 ~5 (m/min)
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For icon explanation, refer to P.24



Segment : 1L

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 Pipe Threads													
PT 1/8-28	II	TCST02K	2.5P	9.728	55	16.5	10.5	8	6	9	4	1	△
PT 1/4-19	II	TCST04-	2.5P	13.157	62	19.5	12.5	11	9	12	4	1	△
PT 3/8-19	II	TCST06-	2.5P	16.662	65	21	14	14	11	14	4	1	△
PT 1/2-14	II	TCST08Q	2.5P	20.955	80	27	17	18	14	17	4	1	△

Special Thread Taps
Simple Inspection Tools

Pipe Taps

Thread Mills

Dies

Center Drills

Centering Tools