

4 Hand Tap Series

Overall length	Thread length	Thread + Neck length	Shank dia.	Size of square	Length of square
L	ℓ	ℓ_n	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

ANSI

④-127

ANSI

ZELX MOLD

Hand Taps for Hard-to-Machine Materials



Specification

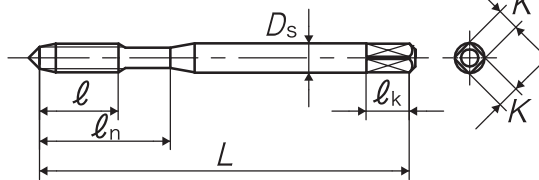


Tapping Speed depending on Materials

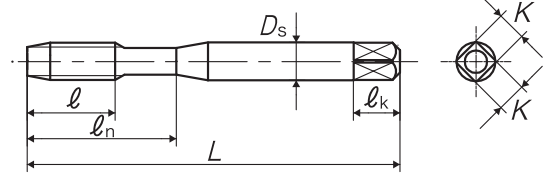
Thermal refined steels 調質鋼	Tool steels 工具鋼
~5 (m/min)	~5 (m/min)
35~45HRC	

■ Suitable for hard steels of 35 ~ 45HRC, such as forgings and thermal refined steels of high carbon steels and alloy steels, and die steels.

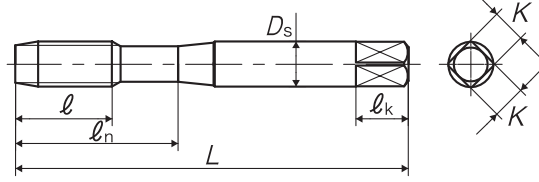
TYPE: 1



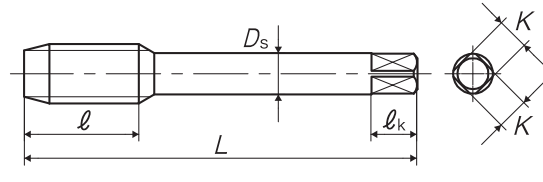
TYPE: 2



TYPE: 3



TYPE: 4



Segment : 1B

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	ℓ_n (inch)	Ds (inch)	K (inch)	ℓ_k (inch)	No. of flutes	TYPE
For Unified Threads											
No.4-40UNC	GH2	Y89599	5P	1.875	0.335	0.562	0.141	0.11	0.187	3	1
No.5-40UNC	GH2	Y89601	5P	1.937	0.374	0.625	0.141	0.11	0.187	3	1
No.6-32UNC	GH3	Y89602	5P	2	0.413	0.687	0.141	0.11	0.187	3	1
No.8-32UNC	GH3	Y89604	5P	2.125	0.453	0.75	0.168	0.131	0.25	3	1
No.10-24UNC	GH3	Y89606	5P	2.375	0.531	0.875	0.194	0.152	0.25	3	1
No.10-32UNF	GH3	Y89607	5P	2.375	0.531	0.875	0.194	0.152	0.25	3	1
1/4-20UNC	GH3	Y89613	5P	2.5	0.591	1	0.255	0.191	0.312	3	2
1/4-28UNF	GH3	Y89614	5P	2.5	0.591	1	0.255	0.191	0.312	3	2
5/16-18UNC	GH3	Y89615	5P	2.718	0.669	1.125	0.318	0.238	0.375	4	3
5/16-24UNF	GH3	Y89616	5P	2.718	0.669	1.125	0.318	0.238	0.375	4	3
3/8-16UNC	GH3	Y89617	5P	2.937	0.748	1.25	0.381	0.286	0.437	4	3
3/8-24UNF	GH3	Y89618	5P	2.937	0.748	1.25	0.381	0.286	0.437	4	3
7/16-14UNC	GH3	Y89619	5P	3.156	0.866	-	0.323	0.242	0.406	4	4
7/16-20UNF	GH3	Y89620	5P	3.156	0.866	-	0.323	0.242	0.406	4	4
1/2-13UNC	GH3	Y89621	5P	3.375	0.984	-	0.367	0.275	0.437	4	4
1/2-20UNF	GH3	Y89622	5P	3.375	0.984	-	0.367	0.275	0.437	4	4
5/8-11UNC	GH3	Y89625	5P	3.812	1.083	-	0.48	0.36	0.562	4	4
5/8-18UNF	GH3	Y89626	5P	3.812	1.083	-	0.48	0.36	0.562	4	4
3/4-10UNC	GH3	Y89627	5P	4.25	1.201	-	0.59	0.422	0.687	4	4
3/4-16UNF	GH3	Y89628	5P	4.25	1.201	-	0.59	0.422	0.687	4	4

Think threads with
YAMAWA

· This product is different from JIS products in shape and dimensions, please be careful when using.