

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

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ZELX NI SP STI



Spiral Fluted Taps for Helical Coil Wire Screw Thread Inserts and for Nickel Base Alloys

Specification

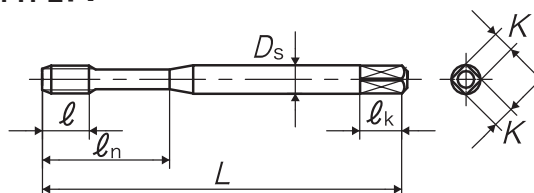


■ ZELX NI SP STI is the tap for nickel base alloys which, with nickel as main composition, have much higher corrosion resistance and higher heat resistance than steels, and produces threads oversize enough to accommodate helical coil wire thread inserts.

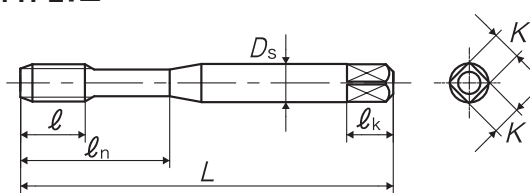
Tapping Speed depending on Materials



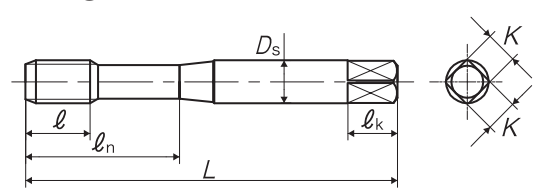
TYPE:1



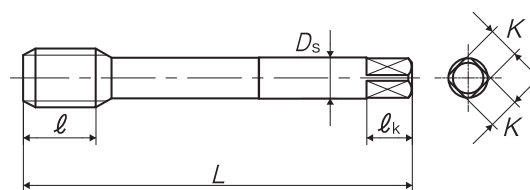
TYPE:2



TYPE:3



TYPE:4



Segment : 1D

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.2-56UNC	GH2	Y87400	3P	1.875	0.236	0.562	0.141	0.11	0.187	3	1
No.4-40UNC	GH1	Y87403	3P	2	0.276	0.687	0.141	0.11	0.187	3	1
No.4-40UNC	GH2	Y87404	3P	2	0.276	0.687	0.141	0.11	0.187	3	1
No.4-40UNC	GH2	Y87004	1.5P	2	0.276	0.687	0.141	0.11	0.187	3	1
No.4-40UNC	GH3	Y87420	3P	2	0.276	0.687	0.141	0.11	0.187	3	1
No.4-40UNC	GH3	Y87419	1.5P	2	0.276	0.687	0.141	0.11	0.187	3	1
No.6-32UNC	GH2	Y87408	3P	2.375	0.354	0.875	0.194	0.152	0.25	3	1
No.6-32UNC	GH2	Y87008	1.5P	2.375	0.354	0.875	0.194	0.152	0.25	3	1
No.6-32UNC	GH3	Y87424	3P	2.375	0.354	0.875	0.194	0.152	0.25	3	1
No.6-32UNC	GH3	Y87425	1.5P	2.375	0.354	0.875	0.194	0.152	0.25	3	1
No.6-32UNC	GH5	Y87042	1.5P	2.375	0.354	0.875	0.194	0.152	0.25	3	1
No.6-40UNF	GH2	Y87409	3P	2.125	0.276	0.75	0.168	0.131	0.25	3	1
No.8-32UNC	GH1	Y81409	3P	2.375	0.354	0.937	0.22	0.165	0.281	3	1
No.8-32UNC	GH2	Y87410	3P	2.375	0.354	0.937	0.22	0.165	0.281	3	1
No.8-32UNC	GH2	Y87026	1.5P	2.375	0.354	0.937	0.22	0.165	0.281	3	1
No.8-32UNC	GH3	Y87426	3P	2.375	0.354	0.937	0.22	0.165	0.281	3	1

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Think threads with
YAMAWA

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

Overall length	Thread length	Thread + Neck length	Shank dia.	Size of square	Length of square
L	ℓ	ℓn	Ds	K	ℓk

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Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	ℓn (inch)	Ds (inch)	K (inch)	ℓk (inch)	No. of flutes	TYPE
No.10-24UNC	GH2	Y87412	3P	2.5	0.433	1	0.255	0.191	0.312	3	2
No.10-24UNC	GH2	Y87012	1.5P	2.5	0.433	1	0.255	0.191	0.312	3	2
No.10-24UNC	GH3	Y87428	3P	2.5	0.433	1	0.255	0.191	0.312	3	2
No.10-24UNC	GH3	Y87028	1.5P	2.5	0.433	1	0.255	0.191	0.312	3	2
No.10-24UNC	GH5	Y87445	1.5P	2.5	0.433	1	0.255	0.191	0.312	3	2
No.10-32UNF	GH2	Y87413	3P	2.5	0.354	1	0.255	0.191	0.312	3	2
No.10-32UNF	GH3	Y87429	3P	2.5	0.354	1	0.255	0.191	0.312	3	2
No.10-32UNF	GH3	Y87029	1.5P	2.5	0.354	1	0.255	0.191	0.312	3	2
No.10-32UNF	GH5	Y87057	1.5P	2.5	0.354	1	0.255	0.191	0.312	3	2
1/4-20UNC	GH2	Y87448	3P	2.718	0.472	1.125	0.318	0.238	0.375	3	3
1/4-20UNC	GH3	Y87458	3P	2.718	0.472	1.125	0.318	0.238	0.375	3	3
1/4-20UNC	GH3	Y87058	1.5P	2.718	0.472	1.125	0.318	0.238	0.375	3	3
1/4-20UNC	GH5	Y87090	1.5P	2.718	0.472	1.125	0.318	0.238	0.375	3	3
1/4-28UNF	GH2	Y87449	3P	2.718	0.394	1.125	0.318	0.238	0.375	3	3
1/4-28UNF	GH2	Y87059	1.5P	2.718	0.394	1.125	0.318	0.238	0.375	3	3
1/4-28UNF	GH3	Y87459	3P	2.718	0.394	1.125	0.318	0.238	0.375	3	3
1/4-28UNF	GH5	Y87091	1.5P	2.718	0.394	1.125	0.318	0.238	0.375	3	3
5/16-18UNC	GH2	Y87060	1.5P	2.937	0.551	1.25	0.381	0.286	0.437	3	3
5/16-18UNC	GH3	Y87460	3P	2.937	0.551	1.25	0.381	0.286	0.437	3	3
5/16-18UNC	GH4	Y87470	3P	2.937	0.551	1.25	0.381	0.286	0.437	3	3
5/16-24UNF	GH2	Y87451	3P	2.937	0.394	1.25	0.381	0.286	0.437	3	3
5/16-24UNF	GH3	Y87461	3P	2.937	0.394	1.25	0.381	0.286	0.437	3	3
5/16-24UNF	GH3	Y87061	1.5P	2.937	0.394	1.25	0.381	0.286	0.437	3	3
3/8-16UNC	GH3	Y87462	3P	3.375	0.63	-	0.367	0.275	0.437	3	4
3/8-16UNC	GH3	Y87062	1.5P	3.375	0.63	-	0.367	0.275	0.437	3	4
3/8-16UNC	GH4	Y87472	3P	3.375	0.63	-	0.367	0.275	0.437	3	4
3/8-24UNF	GH2	Y87453	3P	3.156	0.472	-	0.323	0.242	0.406	3	4
3/8-24UNF	GH2	Y87063	1.5P	3.156	0.472	-	0.323	0.242	0.406	3	4
3/8-24UNF	GH3	Y87463	3P	3.156	0.472	-	0.323	0.242	0.406	3	4
3/8-24UNF	GH5	Y87085	1.5P	3.156	0.472	-	0.323	0.242	0.406	3	4
7/16-14UNC	GH3	Y87464	3P	3.593	0.709	-	0.429	0.322	0.5	3	4
7/16-20UNF	GH3	Y87465	3P	3.375	0.472	-	0.367	0.275	0.437	3	4
7/16-20UNF	GH3	Y87065	1.5P	3.375	0.472	-	0.367	0.275	0.437	3	4
7/16-20UNF	GH4	Y87475	3P	3.375	0.472	-	0.367	0.275	0.437	3	4
1/2-13UNC	GH3	Y87466	3P	3.812	0.748	-	0.48	0.36	0.562	3	4
1/2-13UNC	GH3	Y87066	1.5P	3.812	0.748	-	0.48	0.36	0.562	3	4
1/2-13UNC	GH5	Y87088	1.5P	3.812	0.748	-	0.48	0.36	0.562	3	4
1/2-20UNF	GH3	Y87467	3P	3.593	0.512	-	0.429	0.322	0.5	3	4
1/2-20UNF	GH3	Y87067	1.5P	3.593	0.512	-	0.429	0.322	0.5	3	4

Spiral Fluted Taps
(for blind hole)

①

Spiral Fluted Taps
(for through hole)

②

Spiral Pointed Taps
(for through hole)

③

Hand Taps

④

Cemented
Carbide Taps

⑤

Roll Taps

⑥

Special Thread Taps
Simple inspection tools

⑦

Pipe Taps

⑧

Thread Mills
Premium Thread Mills

⑨

Dies

⑩

Center Drills
Centering Tools

⑪

Precision Machinery/
Medical Surgical Instruments

⑫

ANSI

⑦-20