

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

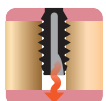
ANSI

ZELX NI PO STI



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

Specification



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

Tapping Speed depending on Materials

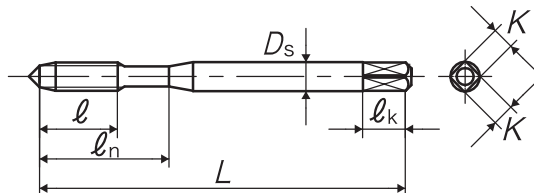
Low carbon steels
低炭素鋼
5~10
(m/min)

Medium carbon steels
中炭素鋼
5~10
(m/min)

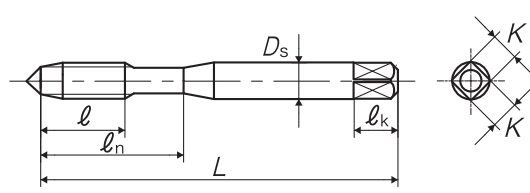
Stainless steels
ステンレス鋼
5~10
(m/min)

Nickel base alloys
ニッケル基合金
5~10
(m/min)

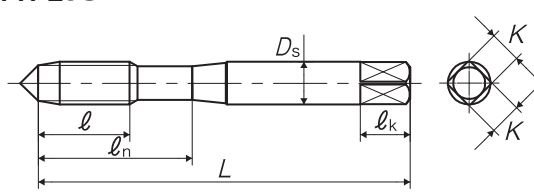
TYPE:1



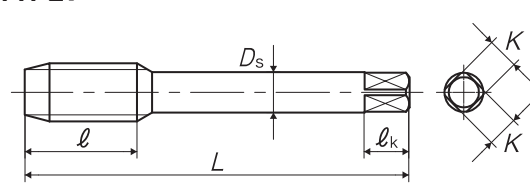
TYPE:2



TYPE:3



TYPE:4



Segment : 1E

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	Y87200	4.5P	1.875	0.335	0.562	0.141	0.11	0.187	2	1
No.4-40UNC	GH1	Y87203	4.5P	2	0.413	0.687	0.141	0.11	0.187	3	1
No.4-40UNC	GH2	Y87204	4.5P	2	0.413	0.687	0.141	0.11	0.187	3	1
No.6-32UNC	GH2	Y87208	4.5P	2.375	0.531	0.875	0.194	0.152	0.25	3	1
No.6-32UNC	GH3	Y87224	4.5P	2.375	0.531	0.875	0.194	0.152	0.25	3	1
No.6-40UNF	GH2	Y87209	4.5P	2.125	0.453	0.75	0.168	0.131	0.25	3	1
No.8-32UNC	GH2	Y87210	4.5P	2.375	0.571	0.937	0.22	0.165	0.281	3	1
No.8-32UNC	GH3	Y87226	4.5P	2.375	0.571	0.937	0.22	0.165	0.281	3	1
No.10-24UNC	GH2	Y87212	4.5P	2.5	0.591	1	0.255	0.191	0.312	3	2
No.10-24UNC	GH3	Y87228	4.5P	2.5	0.591	1	0.255	0.191	0.312	3	2
No.10-32UNF	GH2	Y87213	4.5P	2.5	0.591	1	0.255	0.191	0.312	3	2
No.10-32UNF	GH3	Y87229	4.5P	2.5	0.591	1	0.255	0.191	0.312	3	2
1/4-20UNC	GH2	Y87248	4.5P	2.718	0.669	1.125	0.318	0.238	0.375	3	3
1/4-20UNC	GH3	Y87258	4.5P	2.718	0.669	1.125	0.318	0.238	0.375	3	3
1/4-28UNF	GH2	Y87249	4.5P	2.718	0.669	1.125	0.318	0.238	0.375	3	3
1/4-28UNF	GH3	Y87259	4.5P	2.718	0.669	1.125	0.318	0.238	0.375	3	3
5/16-18UNC	GH3	Y87260	4.5P	2.937	0.748	1.25	0.381	0.286	0.437	3	3

Spiral Fluted Taps
(for blind hole) ①

Spiral Fluted Taps
(for through hole) ②

Spiral Pointed Taps
(for through hole) ③

Hand Taps
(for blind hole) ④

Cemented
Carbide Taps ⑤

Roll Taps
(for blind hole) ⑥

Special Thread Taps
Simple inspection tools ⑦

Pipe Taps
(for blind hole) ⑧

Thread Mills
Premium Thread Mills ⑨

Dies
(for blind hole) ⑩

Center Drills
Centering Tools ⑪

Precision Machinery/
Metal Surgical Instruments ⑫

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L	ℓ	ℓn	Ds	K	ℓk

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ZELX NI PO STI Spiral Pointed Taps for Helical Coil Wire Screw Thread Inserts and for Nickel Base Alloys

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	ℓn (inch)	Ds (inch)	K (inch)	ℓk (inch)	No. of flutes	TYPE
5/16-18UNC	GH4	Y87272	4.5P	2.937	0.748	1.25	0.381	0.286	0.437	3	3
5/16-24UNF	GH2	Y87251	4.5P	2.937	0.748	1.25	0.381	0.286	0.437	3	3
5/16-24UNF	GH3	Y87261	4.5P	2.937	0.748	1.25	0.381	0.286	0.437	3	3
3/8-16UNC	GH3	Y87262	4.5P	3.375	0.984	-	0.367	0.275	0.437	3	4
3/8-16UNC	GH4	Y87270	4.5P	3.375	0.984	-	0.367	0.275	0.437	3	4
3/8-24UNF	GH2	Y87253	4.5P	3.156	0.866	-	0.323	0.242	0.406	3	4
3/8-24UNF	GH3	Y87263	4.5P	3.156	0.866	-	0.323	0.242	0.406	3	4
7/16-14UNC	GH3	Y87264	4.5P	3.593	0.984	-	0.429	0.322	0.5	3	4
7/16-20UNF	GH3	Y87265	4.5P	3.375	0.984	-	0.367	0.275	0.437	3	4
7/16-20UNF	GH4	Y87275	4.5P	3.375	0.984	-	0.367	0.275	0.437	3	4
1/2-13UNC	GH3	Y87266	4.5P	3.812	1.083	-	0.48	0.36	0.562	3	4
1/2-20UNF	GH3	Y87267	4.5P	3.593	0.984	-	0.429	0.322	0.5	3	4

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

⑦-27

 Think threads with
YAMAWA

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