

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

ANSI

PO STI

Spiral Pointed Taps for Helical Coil Wire Screw Thread Inserts



Specification

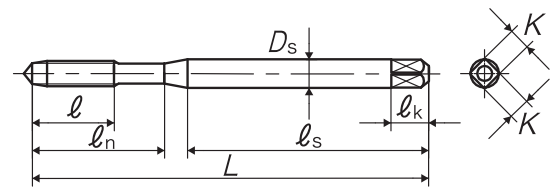


■ Spiral pointed tap to cut internal threads for helical coil to enter.

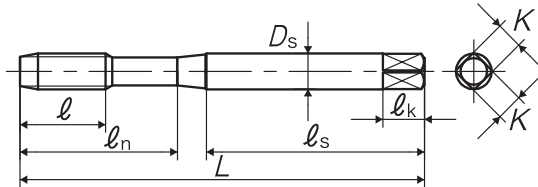
Tapping Speed depending on Materials

Brass 黄銅	Brass castings 黄銅鑄物	Bronze 青銅	Wrought aluminum アルミ圧延材	Aluminum alloy castings アルミ合金鑄物	Magnesium alloy die castings マグネシウム合金鑄物	Zinc alloy castings 亜鉛合金鑄物
5~15 (m/min)	5~15 (m/min)	5~15 (m/min)	5~15 (m/min)	5~15 (m/min)	5~15 (m/min)	5~15 (m/min)

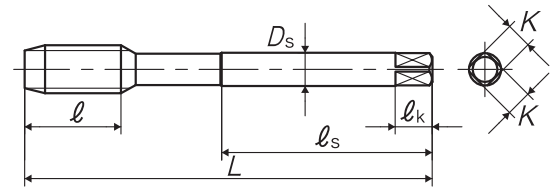
TYPE: 1



TYPE: 2



TYPE: 3



Segment : 1E

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	ℓ_n (inch)	ℓ_s (inch)	Ds (inch)	K (inch)	ℓ_k (inch)	No. of flutes	TYPE
For Unified Threads												
No.2-56UNC	GH1	PUUN2E1NEB	5P	2.205	0.354	0.709	1.28	0.141	0.11	0.187	2	1
No.2-56UNC	GH2	PUUN2E2NEB	5P	2.205	0.354	0.709	1.28	0.141	0.11	0.187	2	1
No.4-40UNC	GH1	PUUN4H1NEB	5P	2.48	0.512	0.827	1.496	0.168	0.131	0.25	2	1
No.4-40UNC	GH2	PUUN4H2NEB	5P	2.48	0.512	0.827	1.496	0.168	0.131	0.25	2	1
No.6-32UNC	GH1	PUUN6J1NEB	5P	2.756	0.551	0.945	1.654	0.194	0.131	0.25	2	1
No.6-32UNC	GH2	PUUN6J2NEB	5P	2.756	0.551	0.945	1.654	0.194	0.131	0.25	2	1
No.8-32UNC	GH1	PUUN8J1NEB	5P	3.15	0.591	0.984	1.929	0.22	0.165	0.281	2	1
No.8-32UNC	GH2	PUUN8J2NEB	5P	3.15	0.591	0.984	1.929	0.22	0.165	0.281	2	1
No.10-24UNC	GH2	PUUNAM2NEB	5P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	2	1
No.10-24UNC	GH3	PUUNAM3NEB	5P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	2	1
No.10-32UNF	GH2	PUUNAJ2NEB	5P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	2	1
No.10-32UNF	GH3	PUUNAJ3NEB	5P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	2	1
1/4-20UNC	GH2	PUU04N2NEB	5P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	2	2
1/4-20UNC	GH3	PUU04N3NEB	5P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	2	2
1/4-28UNF	GH2	PUU04K2NEB	5P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	2	2
1/4-28UNF	GH3	PUU04K3NEB	5P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	2	2

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/
Metal Surgical Instruments ⑫

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⑦-22

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

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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
⑦-23

PO STI Spiral Pointed Taps for Helical Coil Wire Screw Thread Inserts

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	ℓn (inch)	ℓs (inch)	Ds (inch)	K (inch)	ℓk (inch)	No. of flutes	TYPE
5/16-18UNC	GH2	PUU05O2NEB	5P	3.937	0.906	1.535	2.067	0.381	0.286	0.437	2	2
5/16-18UNC	GH3	PUU05O3NEB	5P	3.937	0.906	1.535	2.067	0.381	0.286	0.437	2	2
5/16-24UNF	GH2	PUU05M2NEB	5P	3.937	0.906	1.535	2.028	0.381	0.286	0.437	2	2
5/16-24UNF	GH3	PUU05M3NEB	5P	3.937	0.906	1.535	2.028	0.381	0.286	0.437	2	2
3/8-16UNC	GH3	PUU06P3NEB	5P	4.331	1.024	-	2.205	0.367	0.275	0.437	3	3
3/8-16UNC	GH4	PUU06P4NEB	5P	4.331	1.024	-	2.205	0.367	0.275	0.437	3	3
3/8-24UNF	GH2	PUU06M2NEB	5P	3.937	0.906	-	2.008	0.323	0.242	0.406	3	3
3/8-24UNF	GH3	PUU06M3NEB	5P	3.937	0.906	-	2.008	0.323	0.242	0.406	3	3
7/16-14UNC	GH3	PUU07Q3NEB	5P	4.331	1.024	-	2.205	0.429	0.322	0.5	3	3
7/16-14UNC	GH4	PUU07Q4NEB	5P	4.331	1.024	-	2.205	0.429	0.322	0.5	3	3
7/16-20UNF	GH3	PUU07N3NEB	5P	4.331	1.024	-	2.205	0.429	0.322	0.5	3	3
7/16-20UNF	GH4	PUU07N4NEB	5P	4.331	1.024	-	2.205	0.429	0.322	0.5	3	3
1/2-13UNC	GH3	PUU08R3NEB	5P	4.331	1.024	-	2.205	0.48	0.36	0.562	3	3
1/2-13UNC	GH4	PUU08R4NEB	5P	4.331	1.024	-	2.205	0.48	0.36	0.562	3	3
1/2-20UNF	GH3	PUU08N3NEB	5P	4.331	1.024	-	2.205	0.48	0.36	0.562	3	3
1/2-20UNF	GH4	PUU08N4NEB	5P	4.331	1.024	-	2.205	0.48	0.36	0.562	3	3