

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

ANSI

PM-PO

Spiral Pointed Taps for Hard-to-Machine Materials



Specification

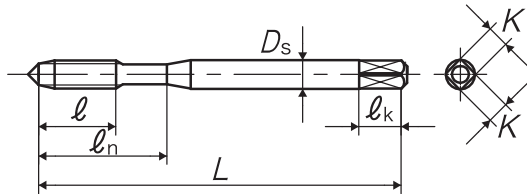


■ Spiral pointed tap suitable for high hardness steels of 25~45HRC such as forgings and thermal refined steels of high carbon steels and alloy steels, and die steel. Through hole use.

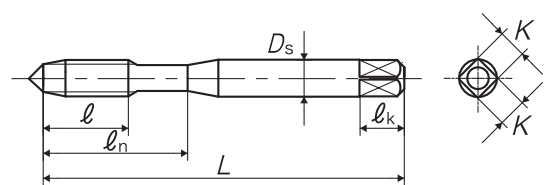
Tapping Speeds depending on Materials

High carbon steels 高炭素鋼	Thermal refined steels 調質鋼	Thermal refined steels 調質鋼
5~10 (m/min)	5~10 (m/min)	~5 (m/min)
	25~35HRC	35~45HRC

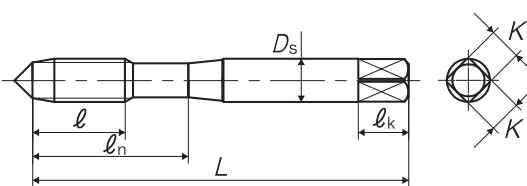
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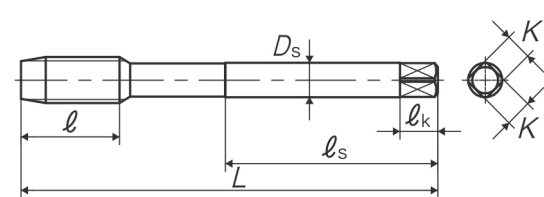
TYPE:2



TYPE:3



TYPE:4



Segment : 1F

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.6-32UNC	GH3	PAUN6J3DPB	5.5P	2	0.413	0.687	0.141	0.11	0.187	2	1
No.6-40UNF	GH3	PAUN6H3DPB	5.5P	2	0.413	0.687	0.141	0.11	0.187	2	1
No.8-32UNC	GH3	PAUN8J3DPB	5.5P	2.125	0.453	0.75	0.168	0.131	0.25	2	1
No.8-36UNF	GH3	PAUN8I3DPB	5.5P	2.125	0.453	0.75	0.168	0.131	0.25	2	1
No.10-24UNC	GH3	PAUNAM3DPB	5.5P	2.375	0.531	0.875	0.194	0.152	0.25	2	1
No.10-32UNF	GH3	PAUNAJ3DPB	5.5P	2.375	0.531	0.875	0.194	0.152	0.25	2	1
No.12-24UNC	GH3	PAUNCM3DPB	5.5P	2.375	0.571	0.937	0.22	0.165	0.281	2	1
No.12-28UNF	GH3	PAUNCK3DPB	5.5P	2.375	0.571	0.937	0.22	0.165	0.281	2	1
1/4-20UNC	GH4	PAU04N4DPB	5.5P	2.5	0.591	1	0.255	0.191	0.312	3	2
1/4-28UNF	GH4	PAU04K4DPB	5.5P	2.5	0.591	1	0.255	0.191	0.312	3	2
5/16-18UNC	GH5	PAU05O5DPB	5.5P	2.718	0.669	1.125	0.318	0.238	0.375	3	3
5/16-24UNF	GH5	PAU05M5DPB	5.5P	2.718	0.669	1.125	0.318	0.238	0.375	3	3
3/8-16UNC	GH6	PAU06P6DPB	5.5P	2.937	0.748	1.25	0.381	0.286	0.437	3	3
3/8-24UNF	GH5	PAU06M5DPB	5.5P	2.937	0.748	1.25	0.381	0.286	0.437	3	3
7/16-14UNC	GH6	PAU07Q6DPB	5.5P	3.156	0.866	-	0.323	0.242	0.406	3	4
7/16-20UNF	GH5	PAU07N5DPB	5.5P	3.156	0.866	-	0.323	0.242	0.406	3	4
1/2-13UNC	GH6	PAU08R6DPB	5.5P	3.375	0.984	-	0.367	0.275	0.437	3	4
1/2-20UNF	GH6	PAU08N6DPB	5.5P	3.375	0.984	-	0.367	0.275	0.437	3	4

③ Spiral Pointed Tap Series for through hole

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

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

③-109

PM-PO Spiral Pointed Taps for Hard-to-Machine Materials

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	ℓn (inch)	Ds (inch)	K (inch)	ℓk (inch)	No. of flutes	TYPE
9/16-12UNC	GH6	PAU09S6DPB	5.5P	3.593	0.984	-	0.429	0.322	0.5	3	4
9/16-18UNF	GH6	PAU09O6DPB	5.5P	3.593	0.984	-	0.429	0.322	0.5	3	4
5/8-11UNC	GH7	PAU10U7DPB	5.5P	3.812	1.083	-	0.48	0.36	0.562	3	4
5/8-18UNF	GH6	PAU10O6DPB	5.5P	3.812	1.083	-	0.48	0.36	0.562	3	4
3/4-10UNC	GH7	PAU12V7DPB	5.5P	4.25	1.201	-	0.59	0.442	0.687	3	4
3/4-16UNF	GH6	PAU12P6DPB	5.5P	4.25	1.201	-	0.59	0.442	0.687	3	4
7/8-9UNC	GH7	PAU14W7DPB	5.5P	4.687	1.339	-	0.697	0.523	0.75	3	4
7/8-14UNF	GH6	PAU14Q6DPB	5.5P	4.687	1.339	-	0.697	0.523	0.75	3	4
1 -8UNC	GH8	PAU16X8DPB	5.5P	5.125	1.496	-	0.8	0.6	0.812	3	4
1 -12UNF	GH7	PAU16S7DPB	5.5P	5.125	1.496	-	0.8	0.6	0.812	3	4



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