

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

1

ANSI

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

11-182

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PM-SP

Spiral Fluted Taps for Hard-to-Machine Materials



Specification

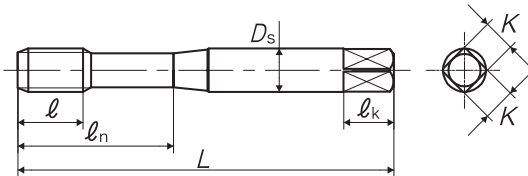


■ Spiral fluted tap suitable for tapping hard steels with hardness between 25-45HRC such as forgings and thermal refined steels of high carbon steels and alloy steels, and mold steels.

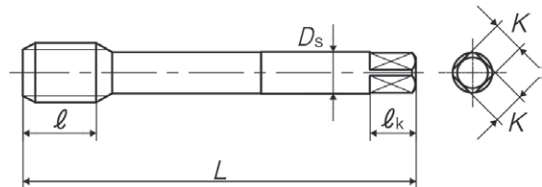
Tapping Speeds depending on Materials

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

TYPE: 1



TYPE: 2



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											
5/16-18UNC	GH4	SAU05O4DPB	2.75P	2.718	0.669	1.125	0.318	0.238	0.375	3	1
5/16-24UNF	GH4	SAU05M4DPB	2.75P	2.718	0.669	1.125	0.318	0.238	0.375	3	1
3/8-16UNC	GH4	SAU06P4DPB	2.75P	2.937	0.748	1.25	0.381	0.286	0.437	3	1
3/8-24UNF	GH4	SAU06M4DPB	2.75P	2.937	0.748	1.25	0.381	0.286	0.437	3	1
7/16-14UNC	GH6	SAU07Q6DPB	2.75P	3.156	0.866	-	0.323	0.242	0.406	3	2
7/16-20UNF	GH4	SAU07N4DPB	2.75P	3.156	0.866	-	0.323	0.242	0.406	3	2
1/2-13UNC	GH6	SAU08R6DPB	2.75P	3.375	0.984	-	0.367	0.275	0.437	3	2
1/2-20UNF	GH4	SAU08N4DPB	2.75P	3.375	0.984	-	0.367	0.275	0.437	3	2
5/8-11UNC	GH6	SAU10U6DPB	2.75P	3.812	1.083	-	0.48	0.36	0.562	3	2
5/8-18UNF	GH4	SAU10O4DPB	2.75P	3.812	1.083	-	0.48	0.36	0.562	3	2
3/4-10UNC	GH6	SAU12V6DPB	2.75P	4.25	1.201	-	0.59	0.442	0.687	3	2
3/4-16UNF	GH6	SAU12P6DPB	2.75P	4.25	1.201	-	0.59	0.442	0.687	3	2
1 -8UNC	GH7	SAU16X7DPB	2.75P	5.125	1.496	-	0.8	0.6	0.812	3	2
1 -12UNF	GH6	SAU16S6DPB	2.75P	5.125	1.496	-	0.8	0.6	0.812	3	2