

Overall length	Thread length	Thread + Neck length	Shank length	Shank dia.	Size of square	Length of square
L	ℓ	ℓ _n	ℓ _s	D _s	K	ℓ _k

3

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/
Metal Surgical Instruments

12

ANSI

3-30

ANSI

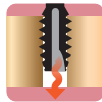
PO

Spiral Pointed Taps



Specification

HSS

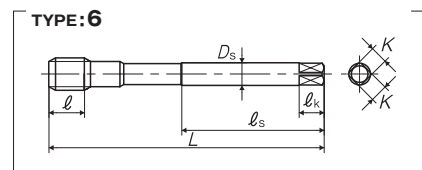
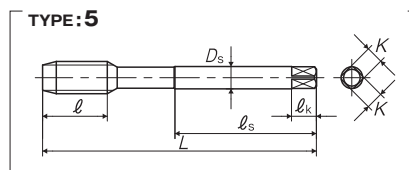
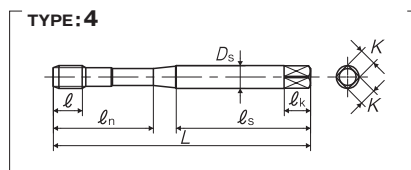
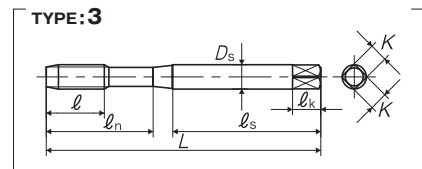
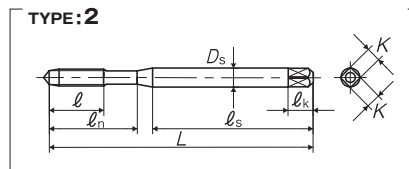
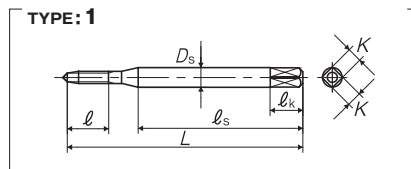


Tapping Speed depending on Materials

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

High carbon steels
高炭素鋼
5~10
(m/min)

■The PO taps push the chips forward and discharge them in the direction of tapping. These taps cut a stable thread with few problems due to chips, making them ideal for through hole machining.



Segment : 1E

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	ℓ _n (inch)	ℓ _s (inch)	D _s (inch)	K (inch)	ℓ _k (inch)	No. of flutes	TYPE
For Metric Threads												
M2 × 0.4	D3	PS2.0E3NEB	5P	1.772	0.314	-	1.161	0.141	0.11	0.187	3	1
M2.2 × 0.45	D3	PS2.2F3NEB	5P	1.772	0.314	-	1.161	0.141	0.11	0.187	3	1
M2.5 × 0.45	D3	PS2.5F3NEB	5P	2.205	0.354	0.693	1.28	0.141	0.11	0.187	3	2
M2.6 × 0.45	D3	PS2.6F3NEB	5P	2.205	0.354	0.709	1.28	0.141	0.11	0.187	3	2
M3 × 0.5	D3	PS3.0G3NEB	5P	2.205	0.433	0.736	1.339	0.141	0.11	0.187	3	2
M3.5 × 0.6	D4	PS3.5H4NEB	5P	2.205	0.433	0.748	1.339	0.141	0.11	0.187	3	2
M4 × 0.7	D4	PS4.0I4NEB	5P	2.48	0.512	0.815	1.535	0.168	0.131	0.25	3	2
M5 × 0.8	D4	PS5.0K4NEB	5P	2.756	0.551	0.984	1.654	0.194	0.152	0.25	3	2
M6 × 1	D5	PS6.0M5NEB	5P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	3	2
M7 × 1	D5	PS7.0M5NEB	5P	3.543	0.748	1.339	1.831	0.318	0.238	0.375	3	3
M7 × 0.75	D4	PS7.0J4NEB	5P	3.543	0.748	1.339	1.831	0.318	0.238	0.375	3	3
M7 × 0.5	D4	PS7.0G4NEB	5P	3.543	0.394	1.339	1.831	0.318	0.238	0.375	3	4
M8 × 1.25	D5	PS8.0N5NEB	5P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	3	3
M8 × 1	D5	PS8.0M5NEB	5P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	3	3
M8 × 0.75	D4	PS8.0J4NEB	5P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	3	3
M8 × 0.5	D4	PS8.0G4NEB	5P	3.543	0.394	1.378	1.831	0.318	0.238	0.375	3	4
M9 × 1.25	D5	PS9.0N5NEB	5P	3.937	0.906	1.535	2.028	0.381	0.286	0.437	3	3
M9 × 1	D5	PS9.0M5NEB	5P	3.937	0.906	1.535	2.028	0.381	0.286	0.437	3	3
M10 × 1.5	D6	PS010O6NEB	5P	3.937	0.906	1.535	2.126	0.381	0.286	0.437	3	3
M10 × 1.25	D5	PS010N5NEB	5P	3.937	0.906	1.535	2.126	0.381	0.286	0.437	3	3

③ Spiral Pointed Tap Series for through hole

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

ANSI

PO Spiral Pointed Taps

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	ℓn (inch)	ℓs (inch)	Ds (inch)	K (inch)	ℓk (inch)	No. of flutes	TYPE
M10 × 1	D5	PS010M5NEB	5P	3.937	0.906	1.535	2.126	0.381	0.286	0.437	3	3
M10 × 0.75	D4	PS010J4NEB	5P	3.937	0.512	1.535	2.126	0.381	0.286	0.437	3	4
M11 × 1.5	D6	PS011O6NEB	5P	3.937	0.906	-	2.008	0.323	0.242	0.406	3	5
M12 × 1.75	D6	PS012P6NEB	5P	4.331	1.024	-	2.205	0.367	0.275	0.437	3	5
M12 × 1.5	D6	PS012O6NEB	5P	4.331	1.024	-	2.205	0.367	0.275	0.437	3	5
M12 × 1.25	D6	PS012N6NEB	5P	4.331	1.024	-	2.205	0.367	0.275	0.437	3	5
M12 × 1	D5	PS012M5NEB	5P	4.331	1.024	-	2.205	0.367	0.275	0.437	3	5
M14 × 2	D7	PS014Q7NEB	5P	4.331	1.024	-	2.205	0.429	0.322	0.5	3	5
M14 × 1.5	D6	PS014O6NEB	5P	4.331	1.024	-	2.205	0.429	0.322	0.5	3	5
M14 × 1.25	D6	PS014N6NEB	5P	4.331	1.024	-	2.205	0.429	0.322	0.5	3	5
M14 × 1	D5	PS014M5NEB	5P	4.331	1.024	-	2.205	0.429	0.322	0.5	3	5
M16 × 2	D7	PS016Q7NEB	5P	4.331	1.024	-	2.205	0.48	0.36	0.562	3	5
M16 × 1.5	D6	PS016O6NEB	5P	4.331	1.024	-	2.205	0.48	0.36	0.562	3	5
M16 × 1	D5	PS016M5NEB	5P	4.331	1.024	-	2.205	0.48	0.36	0.562	3	5
M18 × 2.5	D7	PS018R7NEB	5P	4.921	1.299	-	2.52	0.542	0.406	0.625	3	5
M18 × 2	D7	PS018Q7NEB	5P	4.921	1.299	-	2.52	0.542	0.406	0.625	3	5
M18 × 1.5	D6	PS018O6NEB	5P	4.921	0.945	-	2.52	0.542	0.406	0.625	3	6
M18 × 1	D5	PS018M5NEB	5P	4.921	0.945	-	2.52	0.542	0.406	0.625	3	6
M20 × 2.5	D7	PS020R7NEB	5P	5.512	1.299	-	2.795	0.652	0.489	0.687	3	5
M20 × 2	D7	PS020Q7NEB	5P	5.512	1.299	-	2.795	0.652	0.489	0.687	3	5
M20 × 1.5	D6	PS020O6NEB	5P	5.512	0.945	-	2.795	0.652	0.489	0.687	3	6
M20 × 1	D5	PS020M5NEB	5P	5.512	0.945	-	2.795	0.652	0.489	0.687	3	6
M22 × 2.5	D7	PS022R7NEB	5P	5.512	1.299	-	2.795	0.697	0.523	0.75	3	5
M22 × 2	D7	PS022Q7NEB	5P	5.512	1.299	-	2.795	0.697	0.523	0.75	3	5
M22 × 1.5	D6	PS022O6NEB	5P	5.512	0.945	-	2.795	0.697	0.523	0.75	3	6
M22 × 1	D5	PS022M5NEB	5P	5.512	0.945	-	2.795	0.697	0.523	0.75	3	6
M24 × 3	D8	PS024S8NEB	5P	6.299	1.457	-	3.228	0.76	0.57	0.75	3	5
M24 × 2	D7	PS024Q7NEB	5P	6.299	1.063	-	3.228	0.76	0.57	0.75	3	6
M24 × 1.5	D6	PS024O6NEB	5P	6.299	1.063	-	3.228	0.76	0.57	0.75	3	6
M24 × 1	D5	PS024M5NEB	5P	6.299	1.063	-	3.228	0.76	0.57	0.75	3	6
M25 × 1.5	D6	PS025O6NEB	5P	6.299	1.063	-	3.228	0.8	0.6	0.812	3	6
M26 × 1.5	D6	PS026O6NEB	5P	7.087	1.063	-	3.622	0.896	0.672	0.875	4	6
M27 × 3	D8	PS027S8NEB	5P	7.087	1.732	-	3.622	0.896	0.672	0.875	4	5
M27 × 2	D7	PS027Q7NEB	5P	7.087	1.063	-	3.622	0.896	0.672	0.875	4	6
M27 × 1.5	D6	PS027O6NEB	5P	7.087	1.063	-	3.622	0.896	0.672	0.875	4	6
M27 × 1	D5	PS027M5NEB	5P	7.087	1.063	-	3.622	0.896	0.672	0.875	4	6
M28 × 2	D7	PS028Q7NEB	5P	7.087	1.063	-	3.622	0.896	0.672	0.875	4	6
M28 × 1.5	D6	PS028O6NEB	5P	7.087	1.063	-	3.622	0.896	0.672	0.875	4	6
M28 × 1	D5	PS028M5NEB	5P	7.087	1.063	-	3.622	0.896	0.672	0.875	4	6
M30 × 3.5	D9	PS030T9NEB	5P	7.087	1.732	-	3.622	1.021	0.766	1	4	5
M30 × 2	D7	PS030Q7NEB	5P	7.087	1.063	-	3.622	1.021	0.766	1	4	6
M30 × 1.5	D6	PS030O6NEB	5P	7.087	1.063	-	3.622	1.021	0.766	1	4	6
M30 × 1	D5	PS030M5NEB	5P	7.087	1.063	-	3.622	1.021	0.766	1	4	6
M32 × 2	D7	PS032Q7NEB	5P	7.087	1.063	-	3.622	1.021	0.766	1	4	5
M32 × 1.5	D6	PS032O6NEB	5P	7.087	1.063	-	3.622	1.021	0.766	1	4	5
M32 × 1	D5	PS032M5NEB	5P	7.087	1.063	-	3.622	1.021	0.766	1	4	5
M33 × 3.5	D9	PS033T9NEB	5P	7.087	1.732	-	3.622	1.108	0.831	1.062	4	5
M33 × 2	D7	PS033Q7NEB	5P	7.087	1.142	-	3.622	1.108	0.831	1.062	4	6
M33 × 1.5	D6	PS033O6NEB	5P	7.087	1.142	-	3.622	1.108	0.831	1.062	4	6
M33 × 1	D5	PS033M5NEB	5P	7.087	1.142	-	3.622	1.108	0.831	1.062	4	6

ANSI

③-31

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 length	Shank dia.	Size of square	Length of square
L	ℓ	ℓn	ℓs	Ds	K	ℓk

PO Spiral Pointed Taps

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	ℓn (inch)	ℓs (inch)	Ds (inch)	K (inch)	ℓk (inch)	No. of flutes	TYPE
M36 × 4	D9	PS036U9NEB	5P	7.874	2.047	-	4.016	1.233	0.925	1.125	4	5
M36 × 3	D8	PS036S8NEB	5P	7.874	2.047	-	4.016	1.233	0.925	1.125	4	5
M36 × 2	D7	PS036Q7NEB	5P	7.874	1.142	-	4.016	1.233	0.925	1.125	4	6
M36 × 1.5	D6	PS036O6NEB	5P	7.874	1.142	-	4.016	1.233	0.925	1.125	4	6
M36 × 1	D5	PS036M5NEB	5P	7.874	1.142	-	4.016	1.233	0.925	1.125	4	6
M39 × 4	D9	PS039U9NEB	5P	7.874	2.047	-	4.016	1.305	0.979	1.125	4	5
M39 × 3	D8	PS039S8NEB	5P	7.874	2.047	-	4.016	1.305	0.979	1.125	4	5
M39 × 2	D7	PS039Q7NEB	5P	7.874	1.142	-	4.016	1.305	0.979	1.125	4	6
M39 × 1.5	D6	PS039O6NEB	5P	7.874	1.142	-	4.016	1.305	0.979	1.125	4	6
M39 × 1	D5	PS039M5NEB	5P	7.874	1.142	-	4.016	1.305	0.979	1.125	4	6
M42 × 4.5	D10	PS042VONEB	5P	7.874	2.047	-	4.016	1.43	1.072	1.25	4	5
M42 × 2	D7	PS042Q7NEB	5P	7.874	1.142	-	4.016	1.43	1.072	1.25	4	6
M42 × 1.5	D6	PS042O6NEB	5P	7.874	1.142	-	4.016	1.43	1.072	1.25	4	6
M42 × 1	D5	PS042M5NEB	5P	7.874	1.142	-	4.016	1.43	1.072	1.25	4	6
M45 × 4.5	D10	PS045VONEB	5P	8.661	2.323	-	4.409	1.519	1.139	1.25	4	5
M45 × 3	D8	PS045S8NEB	5P	8.661	2.323	-	4.409	1.519	1.139	1.25	4	5
M45 × 2	D7	PS045Q7NEB	5P	8.661	1.22	-	4.409	1.519	1.139	1.25	4	6
M45 × 1.5	D6	PS045O6NEB	5P	8.661	1.22	-	4.409	1.519	1.139	1.25	4	6
M45 × 1	D5	PS045M5NEB	5P	8.661	1.22	-	4.409	1.519	1.139	1.25	4	6
M48 × 5	D11	PS048W-NEB	5P	9.843	2.559	-	5.039	1.644	1.233	1.375	4	5
M48 × 3	D9	PS048S9NEB	5P	9.843	2.559	-	5.039	1.644	1.233	1.375	4	5
M48 × 2	D7	PS048Q7NEB	5P	9.843	1.22	-	5.039	1.644	1.233	1.375	4	6
M48 × 1.5	D7	PS048O7NEB	5P	9.843	1.22	-	5.039	1.644	1.233	1.375	4	6
M48 × 1	D6	PS048M6NEB	5P	9.843	1.22	-	5.039	1.644	1.233	1.375	4	6
For Unified Threads												
No.0-80UNF	GH1	PSUN0B1NEB	5P	1.772	0.236	-	1.161	0.141	0.11	0.187	2	1
No.0-80UNF	GH2	PSUN0B2NEB	5P	1.772	0.236	-	1.161	0.141	0.11	0.187	2	1
No.1-64UNC	GH1	PSUN1D1NEB	5P	1.772	0.276	-	1.161	0.141	0.11	0.187	2	1
No.1-64UNC	GH2	PSUN1D2NEB	5P	1.772	0.276	-	1.161	0.141	0.11	0.187	2	1
No.1-72UNF	GH1	PSUN1C1NEB	5P	1.772	0.276	-	1.161	0.141	0.11	0.187	2	1
No.1-72UNF	GH2	PSUN1C2NEB	5P	1.772	0.276	-	1.161	0.141	0.11	0.187	2	1
No.2-56UNC	GH1	PSUN2E1NEB	5P	1.772	0.314	-	1.161	0.141	0.11	0.187	2	1
No.2-56UNC	GH2	PSUN2E2NEB	5P	1.772	0.314	-	1.161	0.141	0.11	0.187	2	1
No.2-64UNF	GH1	PSUN2D1NEB	5P	1.772	0.314	-	1.161	0.141	0.11	0.187	2	1
No.2-64UNF	GH2	PSUN2D2NEB	5P	1.772	0.314	-	1.161	0.141	0.11	0.187	2	1
No.3-48UNC	GH1	PSUN3F1NEB	5P	2.205	0.354	0.681	1.28	0.141	0.11	0.187	2	2
No.3-48UNC	GH2	PSUN3F2NEB	5P	2.205	0.354	0.681	1.28	0.141	0.11	0.187	2	2
No.3-56UNF	GH1	PSUN3E1NEB	5P	2.205	0.354	0.681	1.28	0.141	0.11	0.187	2	2
No.3-56UNF	GH2	PSUN3E2NEB	5P	2.205	0.354	0.681	1.28	0.141	0.11	0.187	2	2
No.4-40UNC	GH2	PSUN4H2NEB	5P	2.205	0.354	0.709	1.28	0.141	0.11	0.187	2	2
No.4-40UNC	GH3	PSUN4H3NEB	5P	2.205	0.354	0.709	1.28	0.141	0.11	0.187	2	2
No.4-48UNF	GH1	PSUN4F1NEB	5P	2.205	0.354	0.709	1.28	0.141	0.11	0.187	2	2
No.4-48UNF	GH2	PSUN4F2NEB	5P	2.205	0.354	0.709	1.28	0.141	0.11	0.187	2	2
No.5-40UNC	GH2	PSUN5H2NEB	5P	2.205	0.433	0.736	1.339	0.141	0.11	0.187	2	2
No.5-40UNC	GH3	PSUN5H3NEB	5P	2.205	0.433	0.736	1.339	0.141	0.11	0.187	2	2
No.5-44UNF	GH1	PSUN5G1NEB	5P	2.205	0.433	0.736	1.339	0.141	0.11	0.187	2	2
No.5-44UNF	GH2	PSUN5G2NEB	5P	2.205	0.433	0.736	1.339	0.141	0.11	0.187	2	2
No.5-44UNF	GH3	PSUN5G3NEB	5P	2.205	0.433	0.736	1.339	0.141	0.11	0.187	2	2
No.6-32UNC	GH2	PSUN6J2NEB	5P	2.205	0.433	0.748	1.339	0.141	0.11	0.187	2	2
No.6-32UNC	GH3	PSUN6J3NEB	5P	2.205	0.433	0.748	1.339	0.141	0.11	0.187	2	2

3

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/
Metal Surgical Instruments ⑫

ANSI

③-32

③ Spiral Pointed Tap Series for through hole

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

ANSI

PO Spiral Pointed Taps

	Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	ℓn (inch)	ℓs (inch)	Ds (inch)	K (inch)	ℓk (inch)	No. of flutes	TYPE
① Spiral Fluted Taps (for blind hole)	No.6-40UNF	GH2	PSUN6H2NEB	5P	2.205	0.433	0.748	1.339	0.141	0.11	0.187	2	2
	No.6-40UNF	GH3	PSUN6H3NEB	5P	2.205	0.433	0.748	1.339	0.141	0.11	0.187	2	2
	No.8-32UNC	GH2	PSUN8J2NEB	5P	2.48	0.512	0.827	1.535	0.168	0.131	0.25	2	2
② Spiral Fluted Taps (for through hole)	No.8-32UNC	GH3	PSUN8J3NEB	5P	2.48	0.512	0.827	1.535	0.168	0.131	0.25	2	2
	No.8-36UNF	GH2	PSUN8I2NEB	5P	2.48	0.512	0.827	1.535	0.168	0.131	0.25	2	2
	No.8-36UNF	GH3	PSUN8I3NEB	5P	2.48	0.512	0.827	1.535	0.168	0.131	0.25	2	2
③ Spiral Pointed Taps (for through hole)	No.10-24UNC	GH2	PSUNAM2NEB	5P	2.756	0.551	0.945	1.654	0.194	0.152	0.25	2	2
	No.10-24UNC	GH3	PSUNAM3NEB	5P	2.756	0.551	0.945	1.654	0.194	0.152	0.25	2	2
	No.10-32UNF	GH2	PSUNAJ2NEB	5P	2.756	0.551	0.945	1.654	0.194	0.152	0.25	2	2
④ Hand Taps	No.10-32UNF	GH3	PSUNAJ3NEB	5P	2.756	0.551	0.945	1.654	0.194	0.152	0.25	2	2
	No.12-24UNC	GH2	PSUNCM2NEB	5P	3.15	0.591	0.984	1.953	0.22	0.165	0.281	2	2
	No.12-24UNC	GH3	PSUNCM3NEB	5P	3.15	0.591	0.984	1.953	0.22	0.165	0.281	2	2
⑤ Cemented Carbide Taps	No.12-28UNF	GH2	PSUNCK2NEB	5P	3.15	0.591	0.984	1.953	0.22	0.165	0.281	2	2
	No.12-28UNF	GH3	PSUNCK3NEB	5P	3.15	0.591	0.984	1.953	0.22	0.165	0.281	2	2
	1/4-20UNC	GH3	PSU04N3NEB	4.5P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	3	2
⑥ Roll Taps	1/4-20UNC	GH4	PSU04N4NEB	4.5P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	3	2
	1/4-20UNC	GH5	PSU04N5NEB	4.5P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	3	2
	1/4-28UNF	GH2	PSU04K2NEB	4.5P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	3	2
⑦ Special Thread Taps Simple Inspection Tools	1/4-28UNF	GH3	PSU04K3NEB	4.5P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	3	2
	1/4-28UNF	GH4	PSU04K4NEB	4.5P	3.15	0.591	1.181	1.713	0.255	0.191	0.312	3	2
	5/16-18UNC	GH3	PSU05O3NEB	4.5P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	3	3
⑧ Pipe Taps	5/16-18UNC	GH4	PSU05O4NEB	4.5P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	3	3
	5/16-18UNC	GH5	PSU05O5NEB	4.5P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	3	3
	5/16-24UNF	GH3	PSU05M3NEB	4.5P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	3	3
⑨ Thread Mills Premium Thread Mills	5/16-24UNF	GH4	PSU05M4NEB	4.5P	3.543	0.748	1.378	1.831	0.318	0.238	0.375	3	3
	3/8-16UNC	GH3	PSU06P3NEB	4.5P	3.937	0.906	1.535	2.028	0.381	0.286	0.437	3	3
	3/8-16UNC	GH5	PSU06P5NEB	4.5P	3.937	0.906	1.535	2.028	0.381	0.286	0.437	3	3
⑩ Dies	3/8-24UNF	GH3	PSU06M3NEB	4.5P	3.937	0.906	1.535	2.028	0.381	0.286	0.437	3	3
	3/8-24UNF	GH4	PSU06M4NEB	4.5P	3.937	0.906	1.535	2.028	0.381	0.286	0.437	3	3
	7/16-14UNC	GH4	PSU07Q4NEB	4.5P	3.937	0.906	-	2.008	0.323	0.242	0.406	3	5
⑪ Center Drills Centering Tools	7/16-14UNC	GH5	PSU07Q5NEB	4.5P	3.937	0.906	-	2.008	0.323	0.242	0.406	3	5
	7/16-20UNF	GH3	PSU07N3NEB	4.5P	3.937	0.906	-	2.008	0.323	0.242	0.406	3	5
	7/16-20UNF	GH4	PSU07N4NEB	4.5P	3.937	0.906	-	2.008	0.323	0.242	0.406	3	5
⑫ Precision Machinery/Medical Surgical Instruments	7/16-20UNF	GH5	PSU07N5NEB	4.5P	3.937	0.906	-	2.008	0.323	0.242	0.406	3	5
	1/2-13UNC	GH3	PSU08R3NEB	4.5P	4.331	1.024	-	2.205	0.367	0.275	0.437	3	5
	1/2-13UNC	GH4	PSU08R4NEB	4.5P	4.331	1.024	-	2.205	0.367	0.275	0.437	3	5
	1/2-13UNC	GH5	PSU08R5NEB	4.5P	4.331	1.024	-	2.205	0.367	0.275	0.437	3	5
	1/2-20UNF	GH3	PSU08N3NEB	4.5P	4.331	1.024	-	2.205	0.367	0.275	0.437	3	5
	1/2-20UNF	GH4	PSU08N4NEB	4.5P	4.331	1.024	-	2.205	0.367	0.275	0.437	3	5
	1/2-20UNF	GH5	PSU08N5NEB	4.5P	4.331	1.024	-	2.205	0.367	0.275	0.437	3	5
	9/16-12UNC	GH3	PSU09S3NEB	4.5P	4.331	1.024	-	2.205	0.429	0.322	0.5	3	5
	9/16-12UNC	GH4	PSU09S4NEB	4.5P	4.331	1.024	-	2.205	0.429	0.322	0.5	3	5
	9/16-12UNC	GH5	PSU09S5NEB	4.5P	4.331	1.024	-	2.205	0.429	0.322	0.5	3	5
	9/16-18UNF	GH3	PSU09O3NEB	4.5P	4.331	1.024	-	2.205	0.429	0.322	0.5	3	5
	9/16-18UNF	GH4	PSU09O4NEB	4.5P	4.331	1.024	-	2.205	0.429	0.322	0.5	3	5
	9/16-18UNF	GH5	PSU09O5NEB	4.5P	4.331	1.024	-	2.205	0.429	0.322	0.5	3	5
	5/8-11UNC	GH3	PSU10U3NEB	4.5P	4.331	1.024	-	2.205	0.48	0.36	0.562	3	5
	5/8-11UNC	GH4	PSU10U4NEB	4.5P	4.331	1.024	-	2.205	0.48	0.36	0.562	3	5
	5/8-11UNC	GH5	PSU10U5NEB	4.5P	4.331	1.024	-	2.205	0.48	0.36	0.562	3	5
	5/8-11UNC	GH6	PSU10U6NEB	4.5P	4.331	1.024	-	2.205	0.48	0.36	0.562	3	5

ANSI

③-33

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 length	Shank dia.	Size of square	Length of square
L	ℓ	ℓn	ℓs	Ds	K	ℓk

PO Spiral Pointed Taps

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	ℓn (inch)	ℓs (inch)	Ds (inch)	K (inch)	ℓk (inch)	No. of flutes	TYPE
5/8-18UNF	GH3	PSU1003NEB	4.5P	4.331	1.024	-	2.205	0.48	0.36	0.562	3	5
5/8-18UNF	GH4	PSU1004NEB	4.5P	4.331	1.024	-	2.205	0.48	0.36	0.562	3	5
5/8-18UNF	GH5	PSU1005NEB	4.5P	4.331	1.024	-	2.205	0.48	0.36	0.562	3	5
3/4-10UNC	GH5	PSU12V5NEB	4.5P	4.921	1.299	-	2.52	0.59	0.442	0.687	3	5
3/4-10UNC	GH6	PSU12V6NEB	4.5P	4.921	1.299	-	2.52	0.59	0.442	0.687	3	5
3/4-16UNF	GH3	PSU12P3NEB	4.5P	4.921	1.299	-	2.52	0.59	0.442	0.687	3	5
3/4-16UNF	GH4	PSU12P4NEB	4.5P	4.921	1.299	-	2.52	0.59	0.442	0.687	3	5
3/4-16UNF	GH5	PSU12P5NEB	4.5P	4.921	1.299	-	2.52	0.59	0.442	0.687	3	5
7/8-9UNC	GH4	PSU14W4NEB	4.5P	5.512	1.299	-	2.795	0.697	0.523	0.75	3	5
7/8-9UNC	GH5	PSU14W5NEB	4.5P	5.512	1.299	-	2.795	0.697	0.523	0.75	3	5
7/8-9UNC	GH6	PSU14W6NEB	4.5P	5.512	1.299	-	2.795	0.697	0.523	0.75	3	5
7/8-14UNF	GH4	PSU14Q4NEB	4.5P	5.512	1.299	-	2.795	0.697	0.523	0.75	3	5
7/8-14UNF	GH6	PSU14Q6NEB	4.5P	5.512	1.299	-	2.795	0.697	0.523	0.75	3	5
1 -8UNC	GH4	PSU16X4NEB	4.5P	6.299	1.457	-	3.228	0.8	0.6	0.812	3	5
1 -8UNC	GH5	PSU16X5NEB	4.5P	6.299	1.457	-	3.228	0.8	0.6	0.812	3	5
1 -8UNC	GH6	PSU16X6NEB	4.5P	6.299	1.457	-	3.228	0.8	0.6	0.812	3	5
1 -8UNC	GH7	PSU16X7NEB	4.5P	6.299	1.457	-	3.228	0.8	0.6	0.812	3	5
1 -12UNF	GH4	PSU16S4NEB	4.5P	6.299	1.457	-	3.228	0.8	0.6	0.812	3	5
1 -12UNF	GH5	PSU16S5NEB	4.5P	6.299	1.457	-	3.228	0.8	0.6	0.812	3	5
1 -12UNF	GH6	PSU16S6NEB	4.5P	6.299	1.457	-	3.228	0.8	0.6	0.812	3	5
1 1/8-7UNC	GH6	PSU18Y6NEB	4.5P	7.087	1.732	-	3.622	0.896	0.672	0.875	4	5
1 1/8-7UNC	GH7	PSU18Y7NEB	4.5P	7.087	1.732	-	3.622	0.896	0.672	0.875	4	5
1 1/8-12UNF	GH5	PSU18S5NEB	4.5P	7.087	1.732	-	3.622	0.896	0.672	0.875	4	5
1 1/8-12UNF	GH6	PSU18S6NEB	4.5P	7.087	1.732	-	3.622	0.896	0.672	0.875	4	5
1 1/4-7UNC	GH6	PSU20Y6NEB	4.5P	7.087	1.929	-	3.622	1.021	0.766	1	4	5
1 1/4-7UNC	GH8	PSU20Y8NEB	4.5P	7.087	1.929	-	3.622	1.021	0.766	1	4	5
1 1/4-12UNF	GH5	PSU20S5NEB	4.5P	7.087	1.929	-	3.622	1.021	0.766	1	4	5
1 1/4-12UNF	GH6	PSU20S6NEB	4.5P	7.087	1.929	-	3.622	1.021	0.766	1	4	5
1 3/8-6UNC	GH6	PSU22Z6NEB	4.5P	7.874	2.165	-	4.016	1.108	0.831	1.062	4	5
1 3/8-6UNC	GH8	PSU22Z8NEB	4.5P	7.874	2.165	-	4.016	1.108	0.831	1.062	4	5
1 3/8-12UNF	GH5	PSU22S5NEB	4.5P	7.874	2.165	-	4.016	1.108	0.831	1.062	4	5
1 3/8-12UNF	GH6	PSU22S6NEB	4.5P	7.874	2.165	-	4.016	1.108	0.831	1.062	4	5
1 1/2-6UNC	GH6	PSU24Z6NEB	4.5P	7.874	2.323	-	4.016	1.233	0.925	1.125	4	5
1 1/2-6UNC	GH8	PSU24Z8NEB	4.5P	7.874	2.323	-	4.016	1.233	0.925	1.125	4	5
1 1/2-12UNF	GH5	PSU24S5NEB	4.5P	7.874	2.323	-	4.016	1.233	0.925	1.125	4	5
1 1/2-12UNF	GH7	PSU24S7NEB	4.5P	7.874	2.323	-	4.016	1.233	0.925	1.125	4	5

3

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

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