

HT-CI

Hand Taps for Cast Irons

Specification

HSS

NI
Nitride



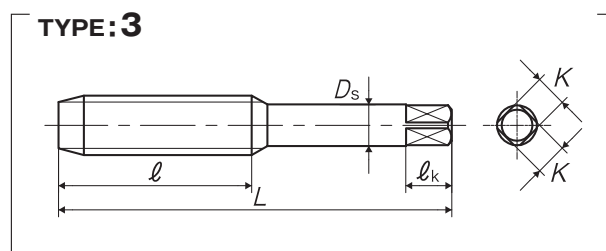
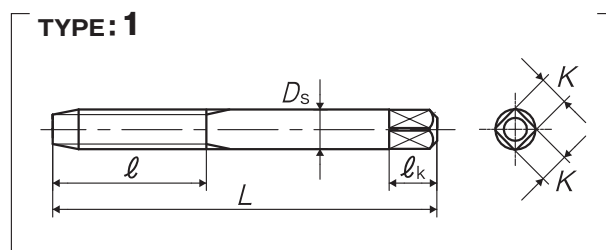
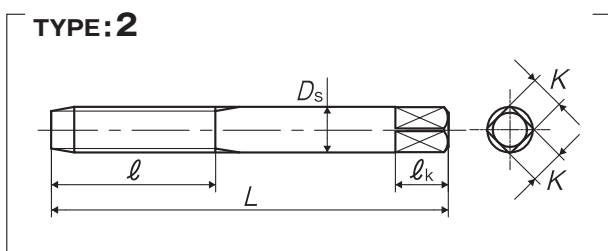
■ Suitable for hard and abrasive materials such as cast irons.

Tapping Speed depending on Materials

Cast irons
鑄鉄
5~10
(m/min)

Ductile cast irons
強靱鑄鉄
5~10
(m/min)

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



Segment : 1A

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	Ds (inch)	K (inch)	ℓ_k (inch)	No. of flutes	TYPE
For Unified Threads										
1/4-20UNC	GH3	Y86001	4P	2.5	1	0.255	0.191	0.312	4	1
1/4-20UNC	GH3	Y86002	1.5P	2.5	1	0.255	0.191	0.312	4	1
1/4-20UNC	GH5	Y86003	4P	2.5	1	0.255	0.191	0.312	4	1
1/4-20UNC	GH5	Y86004	1.5P	2.5	1	0.255	0.191	0.312	4	1
1/4-28UNF	GH3	Y86005	4P	2.5	1	0.255	0.191	0.312	4	1
1/4-28UNF	GH3	Y86006	1.5P	2.5	1	0.255	0.191	0.312	4	1
5/16-18UNC	GH3	Y86007	4P	2.718	1.125	0.318	0.238	0.375	4	2
5/16-18UNC	GH3	Y86008	1.5P	2.718	1.125	0.318	0.238	0.375	4	2
5/16-18UNC	GH5	Y86009	4P	2.718	1.125	0.318	0.238	0.375	4	2
5/16-18UNC	GH5	Y86010	1.5P	2.718	1.125	0.318	0.238	0.375	4	2
5/16-24UNF	GH3	Y86011	4P	2.718	1.125	0.318	0.238	0.375	4	2
5/16-24UNF	GH3	Y86012	1.5P	2.718	1.125	0.318	0.238	0.375	4	2
3/8-16UNC	GH3	Y86013	4P	2.937	1.25	0.381	0.286	0.437	4	2
3/8-16UNC	GH3	Y86014	1.5P	2.937	1.25	0.381	0.286	0.437	4	2
3/8-16UNC	GH5	Y86015	4P	2.937	1.25	0.381	0.286	0.437	4	2
3/8-16UNC	GH5	Y86016	1.5P	2.937	1.25	0.381	0.286	0.437	4	2
3/8-24UNF	GH3	Y86017	4P	2.937	1.25	0.381	0.286	0.437	4	2

④ Hand Tap Series

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

ANSI

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Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	Ds (inch)	K (inch)	ℓk (inch)	No. of flutes	TYPE
3/8-24UNF	GH3	Y86018	1.5P	2.937	1.25	0.381	0.286	0.437	4	2
7/16-14UNC	GH3	Y86019	4P	3.156	1.437	0.323	0.242	0.406	4	3
7/16-14UNC	GH3	Y86020	1.5P	3.156	1.437	0.323	0.242	0.406	4	3
7/16-14UNC	GH5	Y86021	4P	3.156	1.437	0.323	0.242	0.406	4	3
7/16-14UNC	GH5	Y86022	1.5P	3.156	1.437	0.323	0.242	0.406	4	3
7/16-20UNF	GH3	Y86023	4P	3.156	1.437	0.323	0.242	0.406	4	3
7/16-20UNF	GH3	Y86024	1.5P	3.156	1.437	0.323	0.242	0.406	4	3
7/16-20UNF	GH5	Y86025	4P	3.156	1.437	0.323	0.242	0.406	4	3
7/16-20UNF	GH5	Y86026	1.5P	3.156	1.437	0.323	0.242	0.406	4	3
1/2-13UNC	GH3	Y86027	4P	3.375	1.656	0.367	0.275	0.437	4	3
1/2-13UNC	GH3	Y86028	1.5P	3.375	1.656	0.367	0.275	0.437	4	3
1/2-13UNC	GH5	Y86029	4P	3.375	1.656	0.367	0.275	0.437	4	3
1/2-13UNC	GH5	Y86030	1.5P	3.375	1.656	0.367	0.275	0.437	4	3
1/2-20UNF	GH3	Y86031	4P	3.375	1.656	0.367	0.275	0.437	4	3
1/2-20UNF	GH3	Y86032	1.5P	3.375	1.656	0.367	0.275	0.437	4	3
1/2-20UNF	GH5	Y86033	4P	3.375	1.656	0.367	0.275	0.437	4	3
1/2-20UNF	GH5	Y86034	1.5P	3.375	1.656	0.367	0.275	0.437	4	3
9/16-12UNC	GH3	Y86035	4P	3.593	1.656	0.429	0.322	0.5	4	3
9/16-12UNC	GH3	Y86036	1.5P	3.593	1.656	0.429	0.322	0.5	4	3
9/16-18UNF	GH3	Y86037	4P	3.593	1.656	0.429	0.322	0.5	4	3
9/16-18UNF	GH3	Y86038	1.5P	3.593	1.656	0.429	0.322	0.5	4	3
5/8-11UNC	GH3	Y86039	4P	3.812	1.812	0.48	0.36	0.562	4	3
5/8-11UNC	GH3	Y86040	1.5P	3.812	1.812	0.48	0.36	0.562	4	3
5/8-18UNF	GH3	Y86041	4P	3.812	1.812	0.48	0.36	0.562	4	3
5/8-18UNF	GH3	Y86042	1.5P	3.812	1.812	0.48	0.36	0.562	4	3
3/4-10UNC	GH3	Y86043	4P	4.25	2	0.59	0.422	0.687	4	3
3/4-10UNC	GH3	Y86044	1.5P	4.25	2	0.59	0.422	0.687	4	3
3/4-16UNF	GH3	Y86045	4P	4.25	2	0.59	0.422	0.687	4	3
3/4-16UNF	GH3	Y86046	1.5P	4.25	2	0.59	0.422	0.687	4	3

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

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④-97



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