

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

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

⑧-97

ANSI

ZELX MOLD NPT



Hand Taps for Hard-to-Machine Materials For American Taper Pipe Threads

Specification

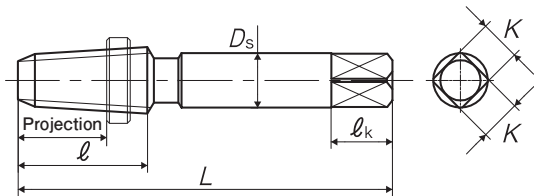


■ Suitable for hard steels of 35 ~ 45HRC, such as forgings and thermal refined steels of high carbon steels and alloy steels, and die steels.

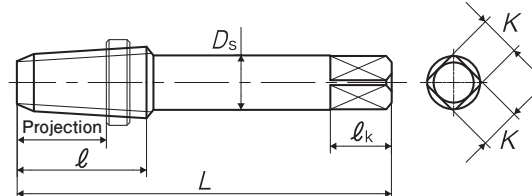
Tapping Speed depending on Materials

Thermal refined steels 調質鋼 ~5 (m/min) 35~45HRC	Tool steels 工具鋼 ~5 (m/min)
--	-------------------------------------

TYPE:1



TYPE:2



Segment : 1H

Size	Class	Code	Chamfer	L (inch)	ℓ (inch)	Projection (inch)	Ds (inch)	K (inch)	ℓ_k (inch)	No. of flutes	TYPE
For American Pipe Threads											
1/8-27 NPT	ANSI G	Y89641	3P	2.125	0.75	0.312	0.437	0.328	0.375	4	1
1/4-18 NPT	ANSI G	Y89643	3P	2.437	1.062	0.459	0.562	0.421	0.437	4	1
3/8-18 NPT	ANSI G	Y89644	3P	2.562	1.062	0.454	0.7	0.531	0.5	4	1
1/2-14 NPT	ANSI G	Y89645	3P	3.125	1.375	0.579	0.687	0.515	0.625	4	2
3/4-14 NPT	ANSI G	Y89646	3P	3.25	1.375	0.565	0.906	0.679	0.687	5	2