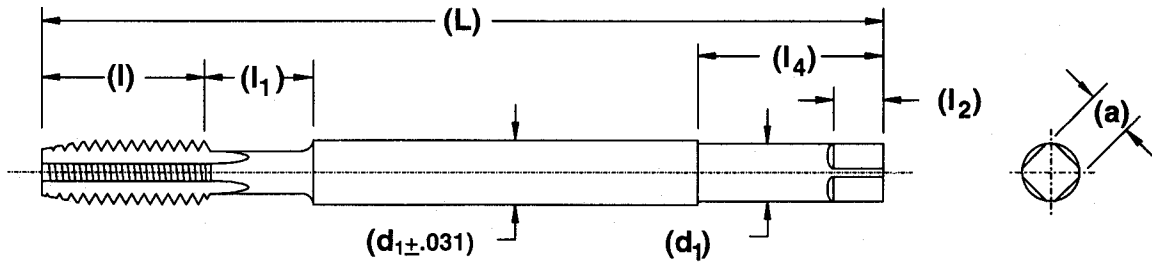


SPECIAL TAPS
ENGINEERING DATA

PULLEY TAP DIMENSIONS • GROUND THREAD

(Ref. USCTI Table 310)



General Dimensions

Nominal Fractional Diameter Inches	Tap Dimensions - Inches						
	Overall Length L	Thread Length l	Neck Length l ₁	Square Length l ₂	Length of Shank Close Tol. Section l ₄	Shank Diameter d ₁	Size of Square a
	1/4 (.2500)	6,8	1.00	.38	.31	1.50	.2550
5/16 (.3125)	6,8	1.13	.38	.38	1.56	.3180	.238
3/8 (.3750)	6,8,10	1.25	.38	.44	1.63	.3810	.286
7/16 (.4375)	6,8	1.44	.44	.50	1.69	.4440	.333
1/2 (.5000)	6,8,10,12	1.66	.50	.56	1.69	.5070	.380
5/8 (.6250)	6,8,10,12	1.81	.63	.69	2.00	.6330	.475
3/4 (.7500)	10,12	2.00	.75	.75	2.25	.7590	.569

Tolerances

Element	Size Range	Direction	Tolerance
Overall Length - L	1/4 to 3/4 inc.	Plus or Minus	.063
Thread Length - l	1/4 to 3/4 inc.	Plus or Minus	.063
Neck Length - l ₁	1/4 to 3/4 inc.	See Note - 1	See Note - 1
Square Length - l ₂	1/4 to 3/4 inc.	Plus or Minus	.031
Length of Shank (close tol.) - l ₄	1/4 to 3/4 inc.	See Note - 2	See Note - 2
Shank Diameter - d ₁	1/4 to 3/4 inc.	Minus	.0050
Size of Square - a	1/4 to 1/2 inc.	Minus	.004
	5/8 to 3/4 inc.	Minus	.006

NOTES

- 1) l₁, (Neck Length); neck and its length is optional with manufacturer.
- 2) l₄, (Length of Close Tolerance Shank) is minimum length which is held to eccentricity tolerances per Table 317.

GENERAL NOTES

- a) These taps have an internal center in the thread end.
- b) These taps are made to the H3 limits shown in Table 327.
- c) For eccentricity tolerances of taps elements see Table 317.
- d) d₁, (Shank Diameter) is approximately the same as the maximum major diameter for that size.
- e) a, (Size of Square) is equal to .75 X d₁ to the nearest .001 inch.