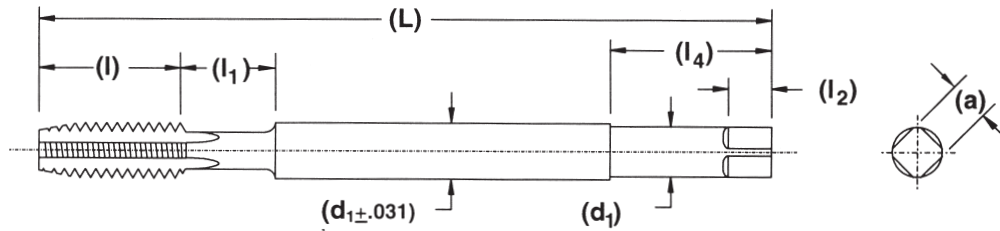


## TABLES FOR TAP DIMENSIONS

**TABLE 310 • PULLEY TAP DIMENSIONS • GROUND THREAD (REF. USCTI TABLE 310)**  
GENERAL DIMENSIONS



NOMINAL FRACTION DIAMETER INCHES	TAP DIMENSIONS - INCHES						
	OVERALL LENGTH L	THREAD LENGTH l	NECK LENGTH l <sub>1</sub>	SQUARE LENGTH l <sub>2</sub>	LENGTH OF SHANK CLOSE TOL. SECTION l <sub>4</sub>	SHANK DIAMETER d <sub>1</sub>	SIZE OF SQUARE a
1/4 (.2500)	6,8	1.00	.38	.31	1.50	.2550	.191
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 included	Plus or Minus	.063
Thread Length - l	1/4 to 3/4 included	Plus or Minus	.063
Neck Length - l <sub>1</sub>	1/4 to 3/4 included	See Note - 1	See Note - 1
Square Length - l <sub>2</sub>	1/4 to 3/4 included	Plus or Minus	.031
Length of Shank (close tol.) l <sub>4</sub>	1/4 to 3/4 included	See Note - 2	See Note - 2
Size of Diameter - d <sub>1</sub>	1/4 to 3/4 included	Minus	.0050
Size of Square - a	1/4 to 1/2 included	Minus	.004
	5/8 to 3/4 included	Minus	.006

### NOTES

1. l<sub>1</sub>, (Neck Length); neck and its length is optional with manufacturer.
2. l<sub>4</sub>, (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. d<sub>1</sub>, (Shank diameter) is approximately the same as the maximum major diameter for that size.
- e. a, (Size of Square) is equal to .75 X d<sub>1</sub> to the nearest .001 inch.