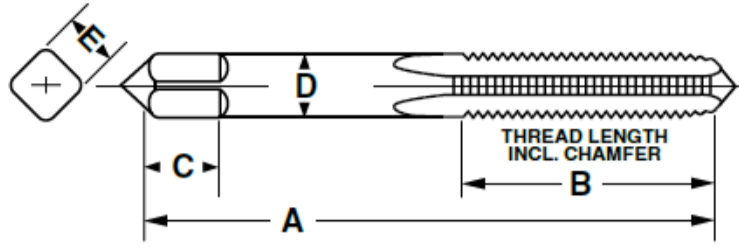
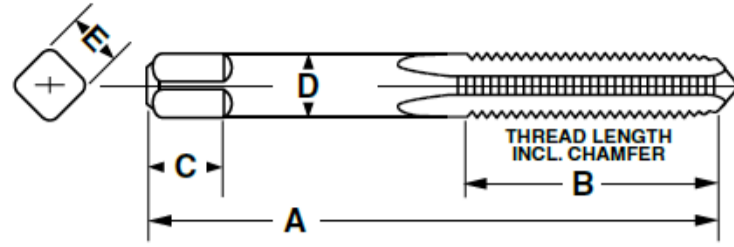


STANDARD TAP DIMENSIONS Table 302 - Up to 1" Diameter



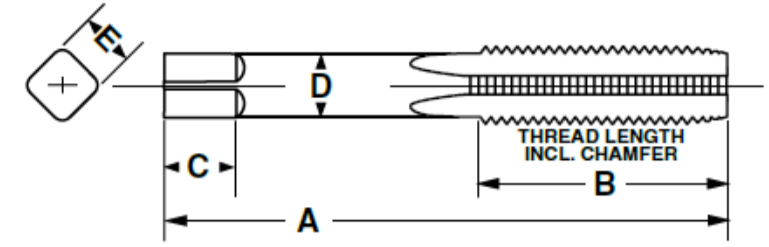
Size #0-12 Machine Screw
Sizes 1.6-6.3mm

STYLE-1



Size #14 Machine Screw
Sizes 7-10mm

STYLE-2



Sizes larger than 3/8"
Sizes 12mm and larger

STYLE-3

Nominal Diameter Range - Inches		Mach. Screw Size Number	Nominal Fractional Diameter (Inches)	Nominal Metric Diameter (Millimeters)	Style*	Tap Dimensions - Inches				
Over	To (Incl.)					A Overall Length	B Thread Length	C Square Length	D Shank Diameter	E Size of Square
.052	.065	0	1/16	M1.6	1	1-5/8	5/16	3/16	.141	.110
.065	.078	1	—	M1.8	1	1-11/16	3/8	3/16	.141	.110
.078	.091	2	—	M2, M2.2	1	1-3/4	7/16	3/16	.141	.110
.091	.104	3	3/32	M2.5	1	1-13/16	1/2	3/16	.141	.110
.104	.117	4	—	—	1	1-7/8	9/16	3/16	.141	.110
.117	.130	5	1/8	M3, M3.15	1	1-15/16	5/8	3/16	.141	.110
.130	.145	6	—	M3.5	1	2	11/16	3/16	.141	.110
.145	.171	8	5/32	M4	1	2-1/8	3/4	1/4	.168	.131
.171	.197	10	3/16	M4.5, M5	1	2-3/8	7/8	1/4	.194	.152
.197	.223	12	7/32	—	1	2-3/8	15/16	9/32	.220	.165
.223	.260	14	1/4	M6, M6.3	2	2-1/2	1	5/16	.255	.191
.260	.323	—	5/16	M7, M8	2	2-23/32	1-1/8	3/8	.318	.238
.323	.395	—	3/8	M10	2	2-15/16	1-1/4	7/16	.381	.286
.395	.448	—	7/16	—	3	3-5/32	1-7/16	13/32	.323	.242
.448	.510	—	1/2	M12, M12.5	3	3-3/8	1-21/32	7/16	.367	.275
.510	.573	—	9/16	M14	3	3-19/32	1-21/32	1/2	.429	.322
.573	.635	—	5/8	M16	3	3-13/16	1-13/16	9/16	.480	.360
.635	.709	—	11/16	M18	3	4-1/32	1-13/16	5/8	.542	.406
.709	.760	—	3/4	—	3	4-1/4	2	11/16	.590	.442
.760	.823	—	13/16	M20	3	4-15/32	2	11/16	.652	.489
.823	.885	—	7/8	M22	3	4-11/16	2-7/32	3/4	.697	.523
.885	.948	—	15/16	M24	3	4-29/32	2-7/32	3/4	.760	.570
.948	1.010	—	1	M25	3	5-1/8	2-1/2	13/16	.800	.600
1.010	1.073	—	1-1/16	M27	3	5-1/8	2-1/2	7/8	.896	.672

* Styles shown are for ground thread taps.

Notes:

1) Special ground thread taps are made to limits shown in USCTI Table 331 for Unified Inch Screw Threads and USCTI Table 341 for Metric M-Profile Screw Threads.

2) Ground thread taps, sizes .395" and smaller, have external center on thread end (may be removed on bottoming taps).

3) For eccentricity tolerances of tap elements refer to Table 317, published by the United States Cutting Tool Institute.