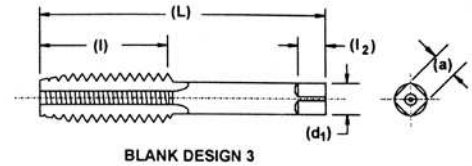
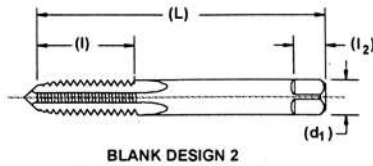
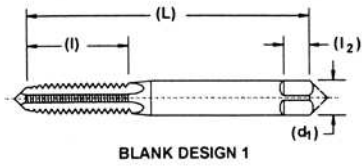


STANDARD TAP DIMENSIONS / GROUND THREAD

(Ref. USCTI Table 302)

General Dimensions



BLANK DESIGN 1

BLANK DESIGN 2

BLANK DESIGN 3

Nominal Diameter Range - Inches		Machine Screw Size No.		Nominal Fractional Diameter Inches	Nominal Metric Diameter Millimeters, (in)	Blank Design No.	Tap Dimensions - Inches				
							Overall Length L	Thread Length l	Square Length l ₂	Shank Dia. d ₁	Size of Square a
0.052	0.065	0	(0.0600)	-	M 1.6 (0.0630)	1	1.63	0.31	0.19	0.1410	0.1100
0.065	0.078	1	(0.0730)	-	M1.8 (0.0709)	1	1.69	0.38	0.19	0.1410	0.1100
0.078	0.091	2	(0.0860)	-	M2 (0.0787), M2.2 (0.0866)	1	1.75	0.44	0.19	0.1410	0.1100
0.091	0.104	3	(0.0990)	-	M2.5 (0.0984)	1	1.81	0.50	0.19	0.1410	0.1100
0.104	0.117	4	(0.1120)	-	-	1	1.88	0.56	0.19	0.1410	0.1100
0.117	0.130	5	(0.1250)	-	M3 (0.1181)	1	1.94	0.63	0.19	0.1410	0.1100
0.130	0.145	6	(0.1380)	-	M3.5 (0.1378)	1	2.00	0.69	0.19	0.1410	0.1100
0.145	0.171	8	(0.1640)	-	M4 (0.1575)	1	2.13	0.75	0.25	0.1680	0.1310
0.171	0.197	10	(0.1900)	-	M4.5 (0.1772), M5 (0.1969)	1	2.38	0.88	0.25	0.1940	0.1520
0.197	0.223	12	(0.2160)	-	-	1	2.38	0.94	0.28	0.2200	0.1650
0.223	0.260	-		1/4 (0.2500)	M6 (0.2362)	2	2.50	1.00	0.31	0.2550	0.1910
0.260	0.323	-		5/16 (0.3125)	M7 (0.2756), M8 (0.3150)	2	2.72	1.13	0.38	0.3180	0.2380
0.323	0.395	-		3/8 (0.3750)	M10 (0.3937)	2	2.94	1.25	0.44	0.3810	0.2860
0.395	0.448	-		7/16 (0.4375)	-	3	3.16	1.44	0.41	0.3230	0.2420
0.448	0.510	-		1/2 (0.5000)	M12 (0.4724)	3	3.38	1.66	0.44	0.3670	0.2750
0.510	0.573	-		9/16 (0.5625)	M14 (0.5512)	3	3.59	1.66	0.50	0.4290	0.3220
0.573	0.635	-		5/8 (0.6250)	M16 (0.6299)	3	3.81	1.81	0.56	0.4800	0.3600
0.635	0.709	-		11/16 (0.6875)	M18 (0.7087)	3	4.03	1.81	0.63	0.5420	0.4060
0.709	0.760	-		3/4 (0.7500)	-	3	4.25	2.00	0.69	0.5900	0.4420
0.760	0.823	-		13/16 (0.8125)	M20 (0.7874)	3	4.47	2.00	0.69	0.6520	0.4890
0.823	0.885	-		7/8 (0.8750)	M22 (0.8661)	3	4.69	2.22	0.75	0.6970	0.5230
0.885	0.948	-		15/16 (0.9375)	M24 (0.9449)	3	4.91	2.22	0.75	0.7600	0.5700
0.948	1.010	-		1 (1.0000)	M25 (0.9843)	3	5.13	2.50	0.81	0.8000	0.6000
1.010	1.073	-		1-1/16 (1.0625)	M27 (1.0630)	3	5.13	2.50	0.88	0.8960	0.6720
1.073	1.135	-		1-1/8 (1.1250)	-	3	5.44	2.56	0.88	0.8960	0.6720
1.135	1.198	-		1-3/16 (1.1875)	M30 (1.1811)	3	5.44	2.56	1.00	1.0210	0.7660
1.198	1.260	-		1-1/4 (1.2500)	-	3	5.75	2.56	1.00	1.0210	0.7660
1.260	1.323	-		1-5/16 (1.3125)	M33 (1.2992)	3	5.75	2.56	1.06	1.1080	0.8310
1.323	1.385	-		1-3/8 (1.3750)	-	3	6.06	3.00	1.06	1.1080	0.8310
1.385	1.448	-		1-7/16 (1.4375)	M36 (1.4173)	3	6.06	3.00	1.13	1.2330	0.9250
1.448	1.510	-		1-1/2 (1.5000)	-	3	6.38	3.00	1.13	1.2330	0.9250
1.510	1.635	-		1-5/8 (1.6250)	M39 (1.5354)	3	6.69	3.19	1.13	1.3050	0.9790
1.635	1.760	-		1-3/4 (1.7500)	M42 (1.6535)	3	7.00	3.19	1.25	1.4300	1.0720
1.760	1.885	-		1-7/8 (1.8750)	-	3	7.31	3.56	1.25	1.5190	1.1390
1.885	2.010	-		2 (2.0000)	M48 (1.8898)	3	7.63	3.56	1.38	1.6440	1.2330

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