

TAP / DRILL SELECTION GUIDE

Machine Screw, Fractional and Metric

TAP SIZE	DRILL SIZE	TAP SIZE	DRILL SIZE	TAP SIZE	DRILL SIZE
0-80	3/64	10-32	21	5/8-18	37/64
M1.6 X .35	1.25MM	M5X.8	4.2MM	M16X2	35/64
1-64	1/16	12-24	17	3/4-10	21/32
M2X.4	1/16	12-28	15	3/4-16	11/16
1-72	52	M6X1	10	M20X2.5	11/16
2-56	51	1/4-20	8	7/8-9	49/64
2-64	50	1/4-28	3	7/8-14	13/16
M2.5X.45	2.05MM	5/16-18	F	M24X3	53/64
3-48	5/64	5/16-24	I	1-8	7/8
3-56	46	M8X1.25	6.7MM	1-12	59/64
4-40	43	3/8-16	5/16	1-14	15/16
4-48	42	3/8-24	Q	1-1/8-7	63/64
M3X.5	40	M10X1.5	8.4MM	1-1/8-12	1-3/64
5-40	39	7/16-14	U	M30X3.5	1-3/64
5-44	37	7/16-20	W	1-1/4-7	1-7/64
M3.5X.6	33	M12X1.75	13/32	1-1/4-12	1-11/64
6-32	36	1/2-13	27/64	1-3/8-6	1-7/32
6-40	33	1/2-20	29/54	1-3/8-12	1-19/64
M4X.7	3.25MM	M14X2	15/32	M36X4	1-1/4
8-32	29	9/16-12	31/64	1-1/2-6	1-11/32
8-36	29	9/16-18	33/64	1-1/2-12	1-27/64
10-24	25	5/8-11	17/32		

NPT, NPTF, AND NPS PIPE TAP SIZES

TAP SIZE	NPT&NPTF (TAPER) DRILL SIZE	DECIMAL EQUIVALENT	NPS (STRAIGHT) DRILL SIZE	DECIMAL EQUIVALENT
1/8-27	R	.3390	S	.3438
1/4-18	7/16	.4375	29/64	.4375
3/8-18	37/64	.5781	19/32	.5781
1/2-14	23/32	.7031	47/64	.7188
3/4-14	59/64	.9219	15/16	.9219
1-11-1/2	1-5/32	1.1562	1-3/16	1.1562
1-1/4-11-	1-1/2	1.5000	1-33/64	1.5000
1/2	1-47/64	1.7344	1-3/4	1.7500
1-1/2-11-	2-7/32	2.2188	2-7/32	2.2188
1/2	2-5/8	2.6406	2-21/32	2.6562
2-11-1/2	3-1/4	3.2656	-	-
2-1/2-8				
3-8				