

FREE

24" x 36" WALL CHART TAP/DRILL & DECIMAL EQUIVALENTS

Add Code 000905 to your next order!

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DECIMAL EQUIVALENTS

mm Inch Wire	Decimal	mm Inch Wire	Decimal	mm Inch Wire	Decimal	mm Inch Wire	Decimal
0.1 mm	.0039	45	.0820	5	.2055	29/64	.4531
0.2 mm	.0079	44	.0860	4	.2090	15/32	.4687
0.3 mm	.0118	43	.0890	3	.2130	12 mm	.4724
80	.0135	42	.0935	7/32	.2187	31/64	.4844
79	.0145	3/32	.0938	2	.2210	1/2	.5000
1/64	.0156	41	.0960	1	.2280	13 mm	.5118
0.4 mm	.0157	40	.0980	A	.2340	33/64	.5156
78	.0160	39	.0995	15/64	.2344	17/32	.5312
77	.0180	38	.1015	6 mm	.2362	35/64	.5469
0.5 mm	.0197	37	.1040	B	.2380	14 mm	.5512
76	.0200	36	.1065	C	.2420	9/16	.5625
75	.0210	7/64	.1094	D	.2460	37/64	.5781
74	.0225	35	.1100	1/4 (E)	.2500	15 mm	.5906
0.6 mm	.0236	34	.1110	F	.2570	19/32	.5937
73	.0240	33	.1130	G	.2610	39/64	.6094
72	.0250	32	.1160	17/64	.2656	5/8	.6250
71	.0260	3 mm	.1181	H	.2660	16 mm	.6299
0.7 mm	.0276	31	.1200	I	.2720	41/64	.6406
70	.0280	1/8	.1250	7 mm	.2756	21/32	.6562
69	.0292	30	.1285	J	.2770	17 mm	.6693
68	.0310	29	.1360	K	.2810	43/64	.6719
1/32	.0312	28	.1405	9/32	.2812	11/16	.6875
0.8 mm	.0315	9/64	.1406	L	.2900	45/64	.7031
67	.0320	27	.1440	M	.2950	18 mm	.7087
66	.0330	26	.1470	19/64	.2969	23/32	.7187
65	.0350	25	.1495	N	.3020	47/64	.7344
0.9 mm	.0354	24	.1520	5/16	.3125	19 mm	.7480
64	.0360	23	.1540	8 mm	.3150	3/4	.7500
63	.0370	5/32	.1562	O	.3160	49/64	.7656
62	.0380	22	.1570	P	.3230	25/32	.7812
61	.0390	4 mm	.1575	21/64	.3281	20 mm	.7874
1 mm	.0394	21	.1590	Q	.3320	51/64	.7969
60	.0400	20	.1610	R	.3390	13/16	.8125
59	.0410	19	.1660	11/32	.3437	21 mm	.8268
58	.0420	18	.1695	S	.3480	53/64	.8281
57	.0430	11/64	.1719	9 mm	.3543	27/32	.8437
56	.0465	17	.1730	T	.3580	55/64	.8594
3/64	.0469	16	.1770	23/64	.3594	22 mm	.8661
55	.0520	15	.1800	U	.3680	7/8	.8750
54	.0550	14	.1820	3/8	.3750	57/64	.8906
53	.0595	13	.1850	V	.3770	23 mm	.9055
1/16	.0625	3/16	.1875	W	.3860	29/32	.9062
52	.0635	12	.1890	25/64	.3906	59/64	.9219
51	.0670	11	.1910	10 mm	.3937	15/16	.9375
50	.0700	10	.1935	X	.3970	24 mm	.9449
49	.0730	9	.1960	Y	.4040	61/64	.9531
48	.0760	5 mm	.1968	13/32	.4062	31/32	.9687
5/64	.0781	8	.1990	Z	.4130	25 mm	.9842
47	.0785	7	.2010	27/64	.4219	63/64	.9844
2 mm	.0787	13/64	.2031	11 mm	.4331	1	1.0000
46	.0810	6	.2040	7/16	.4375	-	-

TAP DRILL CHARTS

Machine Screw Sizes UNC & UNF						Fractional Sizes UNC & UNF					
Nom. Size	Recommended Tap Drill		Probable Hole Size	Actual % Thread	Nom. Size	Recommended Tap Drill		Probable Hole Size	Actual % Thread		
	Drill	Decimal				Drill	Decimal				
0-80	3/64	.0469	.0484	71	1/4-20	7	.2010	.2048	70		
1-64	53	.0595	.0610	59	1/4-28	3	.2130	.2168	72		
1-72	53	.0595	.0610	67	5/16-18	F	.2570	.2608	72		
2-56	50	.0700	.0717	62	5/16-24	I	.2720	.2761	67		
2-64	50	.0700	.0717	70	3/8-16	5/16	.3125	.3169	72		
3-48	47	.0785	.0804	69	3/8-24	Q	.3320	.3364	71		
3-56	46	.0810	.0829	69	7/16-14	U	.3680	.3726	70		
4-40	43	.0890	.0910	65	7/16-20	25/64	.3906	.3952	65		
4-48	3/32	.0938	.0958	60	1/2-13	27/64	.4219	.4266	73		
5-40	38	.1015	.1038	65	1/2-20	29/64	.4531	.4578	65		
5-44	37	.1040	.1063	63	9/16-12	31/64	.4844	.4892	68		
6-32	36	.1065	.1091	71	9/16-18	33/64	.5156	.5204	58		
6-40	33	.1130	.1156	69	5/8-11	17/32	.5313	.5362	75		
8-32	29	.1360	.1389	62	5/8-18	37/64	.5781	.5831	58		
8-36	29	.1360	.1389	70	3/4-10	21/32	.6563	.6613	68		
10-24	26	.1470	.1502	74	3/4-16	11/16	.6875	.6925	71		
10-32	21	.1590	.1622	68	7/8-9	49/64	.7656	.7708	72		
12-24	16	.1770	.1805	66	7/8-14	13/16	.8125	.8177	62		
12-28	15	.1800	.1835	70	1-8	7/8	.8750	.8809	73		
					1-12	59/64	.9219	.9279	67		

Nominal Size	Taper Pipe Taps		Forming Taps Approx. 65% Thread			
	UNPT	UNPTF	Tap	Drill	Tap	Drill
1/16-27	D	C	0-80	54	12-28	8
1/8-27	Q	Q	1-64	1.65 mm	1/4-20	1
1/4-18	7/16	7/16	1-72	1.7 mm	1/4-28	A
3/8-18	9/16	9/16	2-56	5/64	5/16-18	7.3 mm
1/2-14	45/64	45/64	2-64	2 mm	5/16-24	M
3/4-14	29/32	29/32	3-48	43	3/8-16	8.8 mm
1-11-1/2	1-9/64	1-9/64	3-56	2.3 mm	3/8-24	T
1-1/4-11-1/2	1-31/64	1-31/64	4-40	39	7/16-14	13/32
1-1/2-11-1/2	1-47/64	1-23/32	4-48	2.6 mm	7/16-20	10.5 mm
2-11-1/2	2-13/64	2-3/16	5-40	33	1/2-13	11.8 mm
2-1/2-8	2-5/8	2-39/64	5-44	2.9 mm	1/2-20	12 mm
3-8	3-1/4	3-15/64	6-32	1/8	9/16-12	17/32
			6-40	3.2 mm	9/16-18	13.5 mm
			8-32	25	5/8-11	14.75 mm
			8-36	24	5/8-18	15.25 mm
			10-24	11/64	3/4-10	45/64
			10-32	16	3/4-16	23/32
			12-34	5 mm	-	-

Metric Nominal Size/Pitch mm	Tap Limit No.	Inch Series		Metric Series	
		Nom. Size	Inch Diameter	Size	Inch Diameter
M1.6 x 0.35	D3	-	-	1.25 mm	.0492
M2 x 0.4	D3	52	.6635	1.6 mm	.0630
M2.5 x 0.45	D3	45	.8020	2.05 mm	.0807
M3 x 0.5	D3	39	.9995	2.5 mm	.0984
M3.5 x 0.6	D4	32	1.160	2.9 mm	.1142
M4 x 0.7	D4	30	1.285	3.3 mm	.1299
M5 x 0.8	D4	19	1.660	4.2 mm	.1654
M6 x 1	D5	8	1.990	5 mm	.1968
M8 x 1.25	D5	H	2.660	6.8 mm	.2677
M10 x 1.5	D6	Q	3.320	8.5 mm	.3346
M12 x 1.75	D6	13/32	4.062	10.25 mm	.4035
M14 x 2	D7	15/32	4.688	12 mm	.4724
M16 x 2	D7	35/64	5.469	14 mm	.5512
M20 x 2.5	D7	11/16	6.875	17.5 mm	.6890
M24 x 3	D8	53/64	8.281	21 mm	.8268
M30 x 3.5	D9	1-3/64	1.0469	26.5 mm	1.0433
M36 x 4	D9	1-1/4	1.2500	32 mm	1.2598



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