

FRACTIONAL, METRIC, WIRE GAGE & LETTER SIZES

SIZE	DECIMAL INCHES	SIZE	DECIMAL INCHES	SIZE	DECIMAL INCHES	SIZE	DECIMAL INCHES	SIZE	DECIMAL INCHES	SIZE	DECIMAL INCHES	SIZE	DECIMAL INCHES
#80	.0135"	#55	.0520"	#36	.1065"	#15	.1800"	6.5mm	.2559"	S	.3480"	39/64"	.6094"
.35mm	.0138	1.35mm	.0531	2.75mm	.1083	4.6mm	.1811	F	.2570	8.9mm	.3504	15.5mm	.6102
#79	.0145	#54	.0550	7/64"	.1094	#14	.1820	6.6mm	.2598	9mm	.3543	5/8"	.6250
1/64"	.0156	1.4mm	.0551	#35	.1100	#13	.1850	G	.2610	T	.3580	16mm	.6299
.4mm	.0157	1.45mm	.0571	2.8mm	.1102	4.7mm	.1850	6.7mm	.2638	9.1mm	.3583	41/64"	.6406
#78	.0160	1.5mm	.0591	#34	.1110	4.75mm	.1870	17/64"	.2656	23/64"	.3594	16.5mm	.6496
.45mm	.0177	#53	.0595	#33	.1130	3/16"	.1875	6.75mm	.2657	9.2mm	.3622	21/32"	.6562
#77	.0180	1.55mm	.0610	2.9mm	.1142	4.8mm	.1890	H	.2660	9.25mm	.3642	17mm	.6693
.5mm	.0197	1/16"	.0625	#32	.1160	#12	.1890	6.8mm	.2677	9.3mm	.3661	43/64"	.6719
#76	.0200	1.6mm	.0630	3mm	.1181	#11	.1910	6.9mm	.2717	U	.3680	11/16"	.6875
#75	.0210	#52	.0635	#31	.1200	4.9mm	.1929	I	.2720	9.4mm	.3701	17.5mm	.6890
.55mm	.0217	1.65mm	.0650	3.1mm	.1220	#10	.1935	7mm	.2756	9.5mm	.3740	45/64"	.7031
#74	.0225	1.7mm	.0669	1/8"	.1250	#9	.1960	J	.2770	3/8"	.3750	18mm	.7087
.6mm	.0236	#51	.0670	3.2mm	.1260	5mm	.1969	V	.2795	9.6mm	.3780	23/32"	.7188
#73	.0240	1.75mm	.0689	3.25mm	.1280	#8	.1990	K	.2810	9.7mm	.3819	18.5mm	.7283
#72	.0250	#50	.0700	#30	.1285	5.1mm	.2008	9/32"	.2812	9.7mm	.3819	47/64"	.7344
.65mm	.0256	1.8mm	.0709	3.3mm	.1299	#7	.2010	7.2mm	.2835	9.75mm	.3839	19mm	.7480
#71	.0260	1.85mm	.0728	3.4mm	.1339	13/64"	.2031	7.25mm	.2854	9.8mm	.3858	3/4"	.7500
.7mm	.0276	#49	.0730	#29	.1360	#6	.2040	7.3mm	.2874	W	.3860	49/64"	.7656
#70	.0280	1.9mm	.0748	3.5mm	.1378	5.2mm	.2047	L	.2900	9.9mm	.3898	19.5mm	.7677
#69	.0292	#48	.0760	#28	.1405	#5	.2055	7.4mm	.2913	25/64"	.3906	25/32"	.7812
.75mm	.0295	1.95mm	.0768	9/64"	.1406	5.25mm	.2067	M	.2950	10mm	.3937	20mm	.7874
#68	.0310	5/64"	.0781	3.6mm	.1417	5.3mm	.2087	7.5mm	.2953	X	.3970	51/64"	.7969
1/32"	.0312	#47	.0785	#27	.1440	#4	.2090	19/64"	.2969	Y	.4040	20.5mm	.8071
.8mm	.0315	2mm	.0787	3.7mm	.1457	5.4mm	.2126	7.6mm	.2992	13/32"	.4062	13/16"	.8125
#67	.0320	2.05mm	.0807	#26	.1470	#3	.2130	N	.3020	Z	.4130	21mm	.8268
#66	.0330	#46	.0810	3.75mm	.1476	5.5mm	.2165	7.7mm	.3031	10.5mm	.4134	53/64"	.8281
.85mm	.0335	#45	.0820	#25	.1495	7/32"	.2188	7.75mm	.3051	27/64"	.4219	27/32"	.8438
#65	.0350	2.1mm	.0827	3.8mm	.1496	5.6mm	.2205	7.8mm	.3071	11mm	.4331	21.5mm	.8465
.9mm	.0354	2.15mm	.0846	#24	.1520	#2	.2210	7.9mm	.3110	7/16"	.4375	55/64"	.8594
#64	.0360	#44	.0860	3.9mm	.1535	5.7mm	.2244	5/16"	.3125	11.5mm	.4528	22mm	.8661
#63	.0370	2.2mm	.0866	#23	.1540	5.75mm	.2264	8mm	.3150	29/64"	.4531	7/8"	.8750
.95mm	.0374	2.25mm	.0886	5/32"	.1562	#1	.2280	O	.3160	15/32"	.4688	22.5mm	.8858
#62	.0380	#43	.0890	#22	.1570	5.8mm	.2283	8.1mm	.3189	12mm	.4724	57/64"	.8906
#61	.0390	2.3mm	.0906	4mm	.1575	5.9mm	.2323	8.2mm	.3228	31/64"	.4844	23mm	.9055
1mm	.0394	2.35mm	.0925	#21	.1590	A	.2340	P	.3230	12.5mm	.4921	29/32"	.9062
#60	.0400	#42	.0935	#20	.1610	15/64"	.2344	8.25mm	.3248	1/2"	.5000	59/64"	.9219
#59	.0410	3/32"	.0938	4.1mm	.1614	6mm	.2362	8.3mm	.3268	13mm	.5118	23.5mm	.9252
1.05mm	.0413	2.4mm	.0945	4.2mm	.1654	B	.2380	21/64"	.3281	33/64"	.5156	15/16"	.9375
#58	.0420	#41	.0960	#19	.1660	6.1mm	.2402	8.4mm	.3307	17/32"	.5312	24mm	.9449
#57	.0430	2.45mm	.0965	4.25mm	.1673	C	.2420	Q	.3320	13.5mm	.5315	61/64"	.9531
1.1mm	.0433	#40	.0980	4.3mm	.1693	6.2mm	.2441	8.5mm	.3346	35/64"	.5469	24.5mm	.9646
1.15mm	.0453	2.5mm	.0984	#18	.1695	D	.2460	8.6mm	.3386	14mm	.5512	31/32"	.9688
#56	.0465	#39	.0995	11/64"	.1719	6.25mm	.2461	R	.3390	9/16"	.5625	25mm	.9843
3/64"	.0469	#38	.1015	#17	.1730	6.3mm	.2480	8.7mm	.3425	14.5mm	.5709	63/64"	.9844
1.2mm	.0472	2.6mm	.1024	4.4mm	.1732	E	.2500	11/32"	.3438	37/64"	.5781	1"	1.0000
1.25mm	.0492	#37	.1040	#16	.1770	1/4"	.2500	8.75mm	.3445	15mm	.5906		
1.3mm	.0512	2.7mm	.1063	4.5mm	.1772	6.4mm	.2520	8.8mm	.3465	19/32"	.5938		

TAP DRILL SIZES (75% prob. thread)

TAP SIZE	DRILL SIZE	TAP SIZE	DRILL SIZE	TAP SIZE	DRILL SIZE
#0-80	3/64"	#10-32	21	5/8"-18	37/64"
1.6mm x .35	1.25mm	5mm x .8	4.2mm	16mm x 2	14mm
#1-64	53	#12-24	16	3/4"-10	21/32"
2mm x .4	1.6mm	#12-28	14	3/4"-16	11/16"
#1-72	53	6mm x 1	5mm	20mm x 2.5	17mm
2-56	51	1/4"-20	7	7/8"-9	49/64"
#2-64	50	1/4"-28	3	7/8"-14	13/16"
2.5mm x .45	2.05mm	5/16"-18	F	24mm x 3	21mm
#3-48	47	5/16"-24	I	1"-8	7/8"
#3-56	45	8mm x 1.25	6.7mm	1"-12	29/32"
#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"
3mm x .5	2.5mm	10mm x 1.5	8.5mm	1-1/8"-12	1-3/64"
#5-40	38	7/16"-14	U	30mm x 3.5	26.5mm*
#5-44	37	7/16"-20	25/64"	1-1/4"-7	1-7/64**
3.5mm x .6	2.9mm	12mm x 1.75	10mm	1-1/4"-12	1-11/64**
#6-32	36	1/2"-13	27/64"	1-3/8"-6	1-3/16**
#6-40	33	1/2"-20	29/64"	1-3/8"-12	1-9/32**
4mm x .7	3.3mm	14mm x 2	12mm	36mm x 4	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		

*Reaming recommended.

PIPE TAP SIZES

TAP SIZE	DRILL SIZE NPT & NPTF (TAPER)	DECIMAL EQUIVALENT	DRILL SIZE NPS (STRAIGHT)	DECIMAL EQUIVALENT
1/8"-27	R	.3390"	S	.3480"
1/4"-18	7/16"	.4375	29/64"	.4531
3/8"-18	37/64	.5781	19/32	.5938
1/2"-14	23/32	.7188	47/64	.7344
3/4"-14	59/64	.9219	15/16	.9375
1"-11-1/2	1-5/32	1.1562	1-3/16	1.1875
1-1/4"-11-1/2	1-1/2	1.5000	1-33/64	1.5156
1-1/2"-11-1/2	1-47/64	1.7344	1-3/4	1.7500
2"-11-1/2	2-7/32	2.2188	2-7/32	2.2188
2-1/2"-8	2-5/8	2.6250	2-21/32	2.6562
3"-8	3-1/4	3.2500	3-9/32	3.2812
3-1/2"-8	3-3/4	3.7500	3-25/32	3.7812
4"-8	4-1/4	4.1250	4-9/32	4.2812

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