



TECHNICAL RESOURCE | DECIMAL EQUIVALENT CHART



DECIMAL EQUIVALENT CHART: 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	0.0135"	#55	0.0520"	#36	0.1065"	#15	0.1800"	6.5mm	0.2559"	S	0.3480"	39/64"	0.6094"
.35mm	0.0138	1.35mm	0.0531	2.75mm	0.1083	4.6mm	0.1811	F	0.2570	8.9mm	0.3504	15.5mm	0.6102
#79	0.0145	#54	0.055	7/64"	0.1094	#14	0.1820	6.6mm	0.2598	9mm	0.3543	5/8"	0.6250
1/64"	0.0156	1.4mm	0.0551	#35	0.1100	#13	0.1850	G	0.2610	T	0.3580	16mm	0.6299
.4mm	0.0157	1.45mm	0.0571	2.8mm	0.1102	4.7mm	0.1850	6.7mm	0.2638	9.1mm	0.3583	41/64"	0.6406
#78	0.0160	1.5mm	0.0591	#34	0.1110	4.75mm	0.1870	17/64"	0.2656	23/64"	0.3594	16.5mm	0.6496
.45mm	0.0177	#53	0.0595	#33	0.1130	3/16"	0.1875	6.75mm	0.2657	9.2mm	0.3622	21/32"	0.6562
#77	0.0180	1.55mm	0.0610	2.9mm	0.1142	4.8mm	0.1890	H	0.2660	9.25mm	0.3642	17mm	0.6693
.5mm	0.0197	1/16"	0.0625	#32	0.1160	#12	0.1890	6.8mm	0.2677	9.3mm	0.3661	43/64"	0.6719
#76	0.0200	1.6mm	0.0630	3mm	0.1181	#11	0.1910	6.9mm	0.2717	U	0.3680	11/16"	0.6875
#75	0.0210	#52	0.0635	#31	0.1200	4.9mm	0.1929	I	0.2720	9.4mm	0.3701	17.5mm	0.6890
.55mm	0.0217	1.65mm	0.0650	3.1mm	0.1220	#10	0.1935	7mm	0.2756	9.5mm	0.3740	45/64"	0.7031
#74	0.0225	1.7mm	0.0669	1/8"	0.1250	#9	0.1960	J	0.2770	3/8"	0.3750	18mm	0.7087
.6mm	0.0236	#51	0.0670	3.2mm	0.1260	5mm	0.1969	7.1mm	0.2795	V	0.3770	23/32"	0.7188
#73	0.0240	1.75mm	0.0689	3.25mm	0.1280	#8	0.1990	K	0.2810	9.6mm	0.3780	18.5mm	0.7283
#72	0.0250	#50	0.0700	#30	0.1285	5.1mm	0.2008	9/32"	0.2812	9.7mm	0.3819	47/64"	0.7344
.65mm	0.0256	1.8mm	0.0709	3.3mm	0.1299	#7	0.2010	7.2mm	0.2835	9.75mm	0.3839	19mm	0.7480
#71	0.0260	1.85mm	0.0728	3.4mm	0.1339	13/64"	0.2031	7.25mm	0.2854	9.8mm	0.3858	3/4"	0.7500
.7mm	0.0276	#49	0.0730	#29	0.1360	#6	0.2040	7.3mm	0.2874	W	0.3860	49/64"	0.7656
#70	0.0280	1.9mm	0.0748	3.5mm	0.1378	5.2mm	0.2047	L	0.2900	9.9mm	0.3898	19.5mm	0.7677
#69	0.0292	#48	0.0760	#28	0.1405	#5	0.2055	7.4mm	0.2913	25/64"	0.3906	25/32"	0.7812
.75mm	0.0295	1.95mm	0.0768	9/64"	0.1406	5.25mm	0.2067	M	0.2950	10mm	0.3937	20mm	0.7874
#68	0.0310	5/64"	0.0781	3.6mm	0.1417	5.3mm	0.2087	7.5mm	0.2953	X	0.3970	51/64"	0.7969
1/32"	0.0312	#47	0.0785	#27	0.1440	#4	0.2090	19/64"	0.2969	Y	0.4040	20.5mm	0.8071
.8mm	0.0315	2mm	0.0787	3.7mm	0.1457	5.4mm	0.2126	7.6mm	0.2992	13/32"	0.4062	13/16"	0.8125
#67	0.0320	2.05mm	0.0807	#26	0.1470	#3	0.2130	N	0.3020	Z	0.4130	21mm	0.8268
#66	0.0330	#46	0.0810	3.75mm	0.1476	5.5mm	0.2165	7.7mm	0.3031	10.5mm	0.4134	53/64"	0.8281
.85mm	0.0335	#45	0.0820	#25	0.1495	7/32"	0.2188	7.75mm	0.3051	27/64"	0.4219	27/32"	0.8438
#65	0.0350	2.1mm	0.0827	3.8mm	0.1496	5.6mm	0.2205	7.8mm	0.3071	11mm	0.4331	21.5mm	0.8465
.9mm	0.0354	2.15mm	0.0846	#24	0.1520	#2	0.2210	7.9mm	0.3110	7/16"	0.4375	55/64"	0.8594
#64	0.0360	#44	0.0860	3.9mm	0.1535	5.7mm	0.2244	5/16"	0.3125	11.5mm	0.4528	22mm	0.8661
#63	0.0370	2.2mm	0.0866	#23	0.1540	5.75mm	0.2264	8mm	0.3150	29/64"	0.4531	7/8"	0.8750
.95mm	0.0374	2.25mm	0.0886	5/32"	0.1562	#1	0.2280	O	0.3160	15/32"	0.4688	22.5mm	0.8858
#62	0.0380	#43	0.0890	#22	0.1570	5.8mm	0.2283	8.1mm	0.3189	12mm	0.4724	57/64"	0.8906
#61	0.0390	2.3mm	0.0906	4mm	0.1575	5.9mm	0.2323	8.2mm	0.3228	31/64"	0.4844	23mm	0.9055
1mm	0.0394	2.35mm	0.0925	#21	0.1590	A	0.2340	P	0.3230	12.5mm	0.4921	29/32"	0.9062
#60	0.0400	#42	0.0935	#20	0.1610	15/64"	0.2344	8.25mm	0.3248	1/2"	0.5000	59/64"	0.9219
#59	0.0410	3/32"	0.0938	4.1mm	0.1614	6mm	0.2362	8.3mm	0.3268	13mm	0.5118	23.5mm	0.9252
1.05mm	0.0413	2.4mm	0.0945	4.2mm	0.1654	B	0.2380	21/64"	0.3281	33/64"	0.5156	15/16"	0.9375
#58	0.0420	#41	0.0960	#19	0.1660	6.1mm	0.2402	8.4mm	0.3307	17/32"	0.5312	24mm	0.9449
#57	0.0430	2.45mm	0.0965	4.25mm	0.1673	C	0.2420	Q	0.3320	13.5mm	0.5315	61/64"	0.9531
1.1mm	0.0433	#40	0.0980	4.3mm	0.1693	6.2mm	0.2441	8.5mm	0.3346	35/64"	0.5469	24.5mm	0.9646
1.15mm	0.0453	2.5mm	0.0984	#18	0.1695	D	0.2460	8.6mm	0.3386	14mm	0.5512	31/32"	0.9688
#56	0.0465	#39	0.0995	11/64"	0.1719	6.25mm	0.2461	R	0.3390	9/16"	0.5625	25mm	0.9843
3/64"	0.0469	#38	0.1015	#17	0.1730	6.3mm	0.2480	8.7mm	0.3425	14.5mm	0.5709	63/64"	0.9844
1.2mm	0.0472	2.6mm	0.1024	4.4mm	0.1732	E	0.2500	11/32"	0.3438	37/64"	0.5781	1"	1.0000
1.25mm	0.0492	#37	0.1040	#16	0.1770	1/4"	0.2500	8.75mm	0.3445	15mm	0.5906		
1.3mm	0.0512	2.7mm	0.1063	4.5mm	0.1772	6.4mm	0.2520	8.8mm	0.3465	19/32"	0.5938		

TAP DRILL SIZES (75% prob. thread)

TAP SIZE	DRILL SIZE	DECIMAL SIZE	TAP SIZE	DRILL SIZE	DECIMAL SIZE	TAP SIZE	DRILL SIZE	DECIMAL SIZE
#0-80	3/64"	.0469"	#10-32	21	.1590"	5/8"-18	37/64"	.5781"
1.6mm x .35	1.25mm	.0492"	5mm x .8	4.2mm	.1654"	16mm x 2	14mm	.5512"
#1-64	53	.0595"	#12-24	17	.1730"	3/4"-10	21/32"	.6562"
2mm x .4	1.6mm	.0630"	#12-28	15	.1800"	3/4"-16	11/16"	.6875"
#1-72	53	.0595"	6mm x 1	5mm	.1969"	20mm x 2.5	17mm	.6693"
#2-56	51	.0670"	1/4"-20	7	.2010"	7/8"-9	49/64"	.7656"
#2-64	50	.0700"	1/4"-28	3	.2130"	7/8"-14	13/16"	.8125"
2.5mm x .45	2.05mm	.0807"	5/16"-18	F	.2570"	24mm x 3	21mm	.8268"
#3-48	5/64"	.0781"	5/16"-24	I	.2720"	1"-8	7/8"	.8750"
#3-56	46	.0810"	8mm x 1.25	6.7mm	.2638"	1"-12	.918"	.918"
#4-40	43	.0890"	3/8"-16	5/16"	.3125"	1"-14	15/16"	.9375"
#4-48	42	.0935"	3/8"-24	Q	.3320"	1-1/8"-7	63/64"	.9844"
3mm x .5	2.5mm	.0984"	10mm x 1.5	8.5mm	.3346"	1-1/8"-12	1-3/64"	1.0469"
#5-40	39	.0995"	7/16"-14	U	.3680"	30mm x 3.5	26.5mm"	1.0433"
#5-44	37	.1040"	7/16"-20	W	.3860"	1-1/4"-7	1-7/64"	1.1094"
3.5mm x .6	2.9mm	.1142"	12mm x 1.75	10mm	.3937"	1-1/4"-12	1-11/64"	1.1719"
#6-32	36	.1065"	1/2"-13	27/64"	.4219"	1-3/8"-6	1.212"	1.212"
#6-40	33	.1130"	1/2"-20	29/64"	.4531"	1-3/8"-12	1.293"	1.293"
4mm x .7	3.3mm	.1299"	14mm x 2	12mm	.4724"	36mm x 4	1-1/4"	1.250"
#8-32	29	.1360"	9/16"-12	31/64"	.4844"	1-1/2"-6	1-11/32"	1.3438"
#8-36	29	.1360"	9/16"-18	33/64"	.5156"	1-1/2"-12	1-27/64"	1.4219"
#10-24	25	.1495"	5/8"-11	17/32	.5312"			

*Recommended to bore to hole size since standard drill would be either undersized or oversized.

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

YOUR SINGLE SOURCE INDUSTRIAL SUPPLIER