

CONVERSION AND WIRE GAUGE INFORMATION



FRACTION TO DECIMAL EQUIVALENT TABLE

Fraction	Inches	mm	Fraction	Inches	mm	Fraction	Inches	mm	Fraction	Inches	mm
1/64	0.0156	0.396	17/64	0.2656	6.746	33/64	0.5156	13.100	49/64	0.7656	19.446
1/32	0.0312	0.792	9/32	0.2812	7.143	17/32	0.5312	13.492	25/32	0.7812	19.843
3/64	0.0468	1.189	19/64	0.2968	7.541	35/64	0.5468	13.891	51/64	0.7968	20.241
1/16	0.0625	1.588	5/16	0.3125	7.938	9/16	0.5625	14.288	13/16	0.8125	20.637
5/64	0.0781	1.984	21/64	0.3281	8.337	37/64	0.5781	14.684	53/64	0.8281	21.034
3/32	0.0937	2.380	11/32	0.3437	8.730	19/32	0.5937	15.080	27/32	0.8437	21.480
7/64	0.1093	2.779	23/64	0.3593	9.129	39/64	0.6093	15.479	55/64	0.8593	21.828
1/8	0.1250	3.175	3/8	0.3750	9.525	5/8	0.6250	15.875	7/8	0.8750	22.225
9/64	0.1406	3.571	25/64	0.3906	9.921	41/64	0.6406	16.271	57/64	0.8906	22.620
5/32	0.1562	3.968	13/32	0.4062	10.317	21/32	0.6562	16.667	29/32	0.9062	23.017
11/64	0.1718	4.366	27/64	0.4218	10.716	43/64	0.6718	17.066	59/64	0.9218	23.416
3/16	0.1875	4.763	7/16	0.4375	11.113	11/16	0.6875	17.463	15/16	0.9375	23.810
13/64	0.2031	5.159	29/64	0.4531	11.509	45/64	0.7031	17.859	61/64	0.9531	24.208
7/32	0.2187	5.555	15/32	0.4687	11.905	23/32	0.7187	18.255	31/32	0.9687	24.605
15/64	0.2343	5.954	31/64	0.4843	12.304	47/64	0.7343	18.654	63/64	0.9843	25.001
1/4	0.2500	6.350	1/2	0.5000	12.700	3/4	0.7500	19.050	1	1.0000	25.400

STANDARD STUD SIZES AND DIAMETERS

Standard Stud Size US (metric)	Stud Dia. inches (mm)	Terminal Hole Dia. inches (mm)
#2 (M2)	0.0866 (2.18)	0.090 (2.29)
#4 (M2, 5)	0.112 (2.84)	0.118 (3.00)
#5 (M3)	0.125 (3.18)	0.127 (3.23)
#6 (M3, 5)	0.138 (3.51)	0.146 (3.71)
#8 (M4)	0.164 (4.17)	0.173 (4.39)
#10 (M5)	0.190 (4.83)	0.198 (5.03)
1/4" (M6)	0.250 (6.35)	0.270 (6.86)
5/16" (M8)	0.312 (7.92)	0.330 (8.38)
3/8" (M10)	0.375 (9.53)	0.385 (9.78)
1/2" (M12)	0.500 (12.70)	0.520 (13.21)
5/8" (M16)	0.625 (15.88)	0.650 (16.51)
3/4" (M18)	0.750 (19.05)	0.810 (20.57)

WIRE GAUGE SIZE CONVERSION TABLE

Size	Diameter (inches)	Diameter (mm)	Ohms per 1000 feet	Ohms per km
20 AWG	0.032	0.813	10.15	33.29
21 AWG	0.029	0.724	12.80	41.98
22 AWG	0.025	0.645	16.14	52.94
23 AWG	0.023	0.574	20.36	66.78
24 AWG	0.020	0.511	25.67	84.20
25 AWG	0.018	0.455	32.37	106.17
26 AWG	0.016	0.404	40.81	133.86
27 AWG	0.014	0.361	51.47	168.82
28 AWG	0.013	0.320	64.90	212.87
29 AWG	0.011	0.287	81.83	268.40
30 AWG	0.010	0.254	103.20	338.50
31 AWG	0.009	0.226	130.10	426.73
32 AWG	0.008	0.203	164.10	538.25
33 AWG	0.007	0.180	206.90	678.63
34 AWG	0.006	0.160	260.90	855.75
35 AWG	0.006	0.142	329.00	1079.12
36 AWG	0.005	0.127	414.80	1360.00
37 AWG	0.005	0.114	523.10	1715.00
38 AWG	0.004	0.102	659.60	2163.00
2.0 mm	0.008	0.200	169.39	555.61
1.8 mm	0.007	0.180	207.50	680.55
1.6 mm	0.006	0.160	260.90	855.75
1.4 mm	0.006	0.140	339.00	1114.00
1.25 mm	0.005	0.125	428.20	1404.00
1.12 mm	0.004	0.112	533.80	1750.00