

DECIMAL EQUIVALENTS

Stocked items in Bold

Gauge and Letter sizes are not now recommended



Metric	Fract	Gauge	Inch	Metric	Fract	Gauge	Inch		
0.30	1/64"	80	.0118	0.82	3/64"	56	.0323		
0.32			.0126	0.838			.0330		
0.343			.0135	0.85			.0335		
0.35			.0138	0.88			.0346		
0.368			79	.0145			0.889	65	.0350
0.38			.0150	0.9			.0354		
0.397			.0156	0.914			.0360	64	
0.40			.0157	0.92			.0362		
0.406			78	.0160			0.940	63	.0370
0.42			.0165	0.95			.0374		
0.45			.0177	0.965			.0380	62	
0.457			77	.0180			0.98	.0386	
0.48			.0189	0.991			0.991	61	.0390
0.50			.0197	1.00			.0394		
0.508			76	1.016			.0400	60	
0.52			.0205	1.041			.0410	59	
0.533			75	.0210			1.05	.0413	
0.55			.0217	1.067			.0420	58	
0.572			74	.0225			1.092	57	.0430
0.58			.0228	1.10			.0433		
0.60	.0236	1.15	.0453						
0.61	73	1.181	.0465	56					
0.62	.0244	1.191	.0469						
0.635	72	.0250	1.20	.0472					
0.65	.0256	1.25	.0492						
0.660	71	.0260	1.30	.0512					
0.68	.0268	1.321	1.35	55	.0520				
0.7	.0276	1.35	.0531						
0.711	70	1.397	.0550	54					
0.72	.0283	1.40	.0551						
0.742	69	.0292	1.45	.0571					
0.75	.0295	1.50	.0591						
0.78	.0307	1.511	.0595	53					
0.787	68	.0310	1.55	.0610					
0.794	1/32"	.0312	1.588	1/16"	.0625				
0.8		.0315	1.60	.0630					
0.813		67	.0320	1.613	52	.0635			

Number drill diameters are listed to ANSI standard diameters.

Although often referred to as Wire Gauge this is the high speed steel wire, which they are made from and not to any British wire sizes.

For reference to British SWG used on sheet metal, see page 55.

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Metric	Fract	Gauge	Inch	Metric	Fract	Gauge	Inch	
1.65	5/64"	51	.0650	2.794	1/8"	35	.1100	
1.70			.0669	2.80			.1102	
1.702			.0670	2.819			.1110	
1.75			50	.0689			2.85	.1122
1.778				.0700			2.870	.1130
1.80			49	.0709			2.90	.1142
1.85				.0728			2.946	.1160
1.854			48	.0730			2.95	.1161
1.90				.0748			3.00	.1181
1.930			47	.0760			3.048	.1200
1.95				.0768			3.10	.1220
1.984			46	.0781			3.175	.1250
1.994				.0785			3.20	.1260
2.00			45	.0787			3.25	.1280
2.05				.0807			3.264	.1285
2.057			44	.0810			3.30	.1299
2.083				.0820			3.40	.1339
2.10			43	.0827			3.454	.1360
2.15				.0846			3.5	.1378
2.184			42	.0860			3.569	.1405
2.2				.0866			3.572	.1406
2.25			3/32"	.0886			3.6	.1417
2.261				.0890			3.658	.1440
2.30			41	.0906			3.70	.1457
2.35				.0925			3.734	.1470
2.375			40	.0935			3.75	.1476
2.381				.0938			3.797	.1495
2.40			39	.0945			3.80	.1496
2.438				.0960			3.861	.1520
2.45			38	.0965			3.90	.1535
2.489				.0980			3.912	.1540
2.50			37	.0984			3.969	.1562
2.527	.0995	3.988		.1570				
2.55	5/32"	.1004	4.00	.1575				
2.578		.1015	4.039	.1590				
2.60	36	.1024	4.089	.1610				
2.642		.1040	4.10	.1614				
2.65	7/64"	.1043	4.20	.1654				
2.70		.1063	4.216	.1660				
2.705	36	.1065	4.25	.1673				
2.75		.1083	4.30	.1693				
2.778	18	.1094	4.305	.1695				

DECIMAL EQUIVALENTS



Metric	Fract	Gauge	Inch	Metric	Fract	Letter	Inch					
4.366	11/64"	17	.1719	6.10	1/4"	C	.2402					
4.394			.1730	6.147			.2420					
4.40			.1732	6.20			.2441					
4.496			16	.1770			6.248	D	.2460			
4.50				.1772			6.25	.2461				
4.572			15	.1800			6.30	.2480				
4.60				.1811			6.35	E	.2500			
4.623			3/16"	14			.1820	6.40	17/64"	F	.2520	
4.70							13	.1850			6.50	.2559
4.75								.1870			6.528	.2570
4.762	12	.1875			6.60	.2598						
4.80		.1890			6.629	G	.2610					
4.851	11	.1910			6.70	.2638						
4.90		.1929			6.747	H	.2660					
4.915	13/64"	10			.1935	6.75	9/32"	I			.2656	
4.978					9	.1960					6.756	.2657
5.00						.1969					6.80	.2677
5.055			8	.1990	6.90	.2717						
5.10				.2008	6.909	J			.2720			
5.105			7	.2010	7.00	.2756						
5.159				.2031	7.036	K			.2770			
5.182			7/32"	6	.2040	7.10			19/64"	L	.2795	
5.20					.2047	7.137					.2810	
5.220					5	.2055					7.144	M
5.25	.2067	7.20				.2835						
5.30	.2087	7.25			.2854							
5.309	4	.2090			7.30	.2874						
5.40		.2126			7.366	N	.2900					
5.410	15/64"	3			.2130	7.40	5/16"	O			.2913	
5.50					.2165	7.493					.2950	
5.556					2	.2188					7.50	.2953
5.60			.2205	7.541		.2969						
5.613			1	.2210	7.60	.2992						
5.70				.2244	7.671	.3020						
5.75			.2264	7.70	.3031							
5.791			A	.2280	7.75	.3051						
5.80				.2283	7.80	.3071						
5.90			.2323	7.90	.3110							
5.944	B	.2340	7.938	.3125								
5.953		.2344	8.00	.3150								
6.00		.2362	8.026	.3160								
6.045		.2380	8.10	.3189								

DECIMAL EQUIVALENTS



Metric	Fract	Letter	Inch	Metric	Fract	Letter	Inch
8.20			.3228	10.319	13/32"		.4062
8.204		P	.3230	10.40			.4094
8.25			.3248	10.490		Z	.4130
8.30			.3268	10.50			.4134
8.334	21/64"		.3281	10.60			.4173
8.40			.3307	10.70			.4213
8.433		Q	.3320	10.716	27/64"		.4219
8.50			.3346	10.75			.4232
8.60			.3386	10.80			.4252
8.611		R	.3390	10.90			.4291
8.70			.3425	11.00			.4331
8.731	11/32"		.3438	11.10			.4370
8.75			.3445	11.112	7/16"		.4375
8.80			.3465	11.20			.4409
8.839		S	.3480	11.25			.4429
8.90			.3504	11.30			.4449
9.00			.3543	11.40			.4488
9.093		T	.3580	11.50			.4528
9.10			.3583	11.509	29/64"		.4531
9.128	23/64"		.3594	11.60			.4567
9.20			.3622	11.70			.4606
9.25			.3642	11.75			.4626
9.30			.3661	11.80			.4646
9.347		U	.3680	11.90			.4685
9.40			.3701	11.906	15/32"		.4688
9.50			.3740	12.00			.4724
9.525	3/8"		.3750	12.10			.4764
9.576		V	.3770	12.20			.4803
9.60			.3780	12.25			.4823
9.70			.3819	12.30			.4843
9.75			.3839	12.303	31/64"		.4844
9.80			.3858	12.40			.4882
9.804		W	.3860	12.50			.4921
9.90			.3898	12.60			.4961
9.922	25/64"		.3906	12.70	1/2"		.5000
10.00			.3937	12.75			.5020
10.084		X	.3970	12.80			.5039
10.10			.3976	12.90			.5079
10.20			.4016	13.00			.5118
10.25			.4035	13.097	33/64"		.5156
10.262		Y	.4040	13.10			.5157
10.30			.4055	13.20			.5197

DECIMAL EQUIVALENTS



Metric	Fract	Inch	Metric	Fract	Inch
13.25		.5217	18.75		.7382
13.30		.5236	19.00		.7480
13.40		.5276	19.050	3/4"	.7500
13.494	17/32"	.5313	19.25		.7579
13.50		.5315	19.447	49/64"	.7656
13.60		.5354	19.50		.7677
13.70		.5394	19.75		.7776
13.75		.5413	19.844	25/32"	.7813
13.80		.5433	20.00		.7874
13.891	35/64"	.5469	20.241	51/64"	.7969
13.90		.5472	20.25		.7972
14.00		.5512	20.50		.8071
14.25		.5610	20.638	13/16"	.8125
14.288	9/16"	.5625	20.75		.8169
14.50		.5709	21.00		.8268
14.684	37/64"	.5781	21.034	53/64"	.8281
14.75		.5807	21.25		.8366
15.00		.5906	21.431	27/32"	.8437
15.081	19/32"	.5937	21.50		.8465
15.25		.6004	21.75		.8563
15.478	39/64"	.6094	21.828	55/64"	.8594
15.50		.6102	22.00		.8661
15.75		.6201	22.225	7/8"	.8750
15.875	5/8"	.6250	22.25		.8760
16.00		.6299	22.50		.8858
16.25		.6398	22.622	57/64"	.8906
16.272	41/64"	.6406	22.75		.8957
16.50		.6496	23.00		.9055
16.669	21/32"	.6563	23.019	29/32"	.9063
16.75		.6594	23.25		.9154
17.00		.6693	23.416	59/64"	.9219
17.066	43/64"	.6719	23.50		.9252
17.25		.6791	23.75		.9350
17.462	11/16"	.6875	23.812	15/16"	.9375
17.50		.6890	24.00		.9449
17.75		.6988	24.209	61/64"	.9531
17.859	45/64"	.7031	24.25		.9547
18.00		.7087	24.5		.9646
18.25		.7185	24.606	31/32"	.9687
18.256	23/32"	.7187	24.75		.9744
18.50		.7283	25.00		.9843
18.653	47/64"	.7344	25.003	63/64"	.9844

DECIMAL EQUIVALENTS



Metric	Fract	Inch	Metric	Fract	Inch
25.25		.9941	31.750	1-1/4"	1.2500
25.400	1"	1.0000	32.00		1.2598
25.50		1.0039	32.147	1-17/64"	1.2656
25.75		1.0138	32.5		1.2795
25.797	1-1/64"	1.0156	32.544	1-9/32"	1.2813
26.00		1.0236	32.941	1-19/64"	1.2969
26.194	1-1/32"	1.0313	33.00		1.2992
26.25		1.0335	33.338	1-5/16"	1.3125
26.50		1.0433	33.50		1.3189
26.591	1-3/64"	1.0469	33.734	1-21/64"	1.3281
26.75		1.0531	34.00		1.3386
26.988	1-1/16"	1.0625	34.131	1-11/32"	1.3437
27.00		1.0630	34.50		1.3583
27.25		1.0728	34.528	1-23/64"	1.3594
27.384	1-5/64"	1.0781	34.925	1-3/8"	1.3750
27.50		1.0827	35.00		1.3780
27.75		1.0925	35.322	1-25/64"	1.3906
27.781	1-3/32"	1.0937	35.50		1.3976
28.00		1.1024	35.719	1-13/32"	1.4063
28.178	1-7/64"	1.1094	36.00		1.4173
28.25		1.1122	36.116	1-27/64"	1.4219
28.50		1.1220	36.50		1.4370
28.575	1-1/8"	1.1250	36.512	1-7/16"	1.4375
28.75		1.1319	36.909	1-29/64"	1.4531
28.972	1-9/64"	1.1406	37.00		1.4567
29.00		1.1417	37.306	1-15/32"	1.4687
29.25		1.1516	37.50		1.4764
29.369	1-5/32"	1.1563	37.703	1-31/64"	1.4844
29.50		1.1614	38.00		1.4961
29.75		1.1713	38.100	1-1/2"	1.5000
29.766	1-11/64"	1.1719	38.497	1-33/64"	1.5156
30.000		1.1811	38.50		1.5157
30.162	1-3/16"	1.1875	38.894	1-17/32"	1.5313
30.25		1.1909	39.00		1.5354
30.50		1.2008	39.291	1-35/64"	1.5469
30.559	1-13/64"	1.2031	39.50		1.5551
30.75		1.2106	39.688	1-9/16"	1.5625
30.956	1-7/32"	1.2187	40.00		1.5748
31.00		1.2205	40.084	1-37/64"	1.5781
31.250		1.2303	40.481	1-19/32"	1.5937
31.353	1-15/64"	1.2344	40.50		1.5945
31.50		1.2402	40.878	1-39/64"	1.6094

DECIMAL EQUIVALENTS



Metric	Fractional	Inch	Metric	Fractional	Inch
41.00		1.6142	50.403	1-63/64"	1.9844
41.275	1-5/8"	1.6250	50.50		1.9882
41.50		1.6339	50.800	2"	2.0000
41.672	1-41/64"	1.6406	51.00		2.0079
42.00		1.6535	51.594	2-1/32"	2.0313
42.069	1-21/32"	1.6563	52.00		2.0472
42.466	1-43/64"	1.6719	52.388	2-1/16"	2.0625
42.50		1.6732	53.00		2.0866
42.862	1-11/16"	1.6875	53.181	2-3/32"	2.0937
43.00		1.6929	53.975	2-1/8"	2.1250
43.259	1-45/64"	1.7031	54.00		2.1260
43.50		1.7126	54.769	2-5/32"	2.1563
43.656	1-23/32"	1.7187	55.00		2.1654
44.00		1.7323	55.562	2-3/16"	2.1875
44.053	1-47/64"	1.7344	56.00		2.2047
44.450	1-3/4"	1.7500	56.356	2-7/32"	2.2187
44.50		1.7520	57.00		2.2441
44.847	1-49/64"	1.7656	57.150	2-1/4"	2.2500
45.00		1.7717	57.944	2-9/32"	2.2813
45.244	1-25/32"	1.7813	58.00		2.2835
45.50		1.7913	58.738	2-5/16"	2.3125
45.641	1-51/64"	1.7969	59.00		2.3228
46.00		1.8110	59.531	2-11/32"	2.3437
46.038	1-13/16"	1.8125	60.00		2.3622
46.434	1-53/64"	1.8281	60.325	2-3/8"	2.3750
46.50		1.8307	61.00		2.4016
46.831	1-27/32"	1.8437	61.119	2-13/32"	2.4063
47.00		1.8504	61.912	2-7/16"	2.4375
47.228	1-55/64"	1.8594	62.00		2.4409
47.50		1.8701	62.706	2-15/32"	2.4687
47.625	1-7/8"	1.8750	63.00		2.4803
48.00		1.8898	63.500	2-1/2"	2.5000
48.022	1-57/64"	1.8906	64.00		2.5197
48.419	1-29/32"	1.9063	64.294	2-17/32"	2.5313
48.50		1.9094	65.00		2.5591
48.816	1-59/64"	1.9219	65.088	2-9/16"	2.5625
49.00		1.9291	65.881	2-19/32"	2.5937
49.212	1-15/16"	1.9375	66.00		2.5984
49.50		1.9488	66.675	2-5/8"	2.6250
49.609	1-61/64"	1.9531	67.00		2.6378
50.00		1.9685	67.469	2-21/32"	2.6563
50.006	1-31/32"	1.9687	68.00		2.6772

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Metric	Fractional	Inch	Metric	Fractional	Inch
68.262	2-11/16"	2.6875			
69.00		2.7165	83.344	3-9/32"	3.2813
69.056	2-23/32"	2.7187	84.00		3.3071
69.850	2-3/4"	2.7500	84.138	3-5/16"	3.3125
70.00		2.7559	84.931	3-11/32"	3.3437
70.644	2-25/32"	2.7813	85.00		3.3465
71.00		2.7953	85.725	3-3/8"	3.3750
71.438	2-13/16"	2.8125	86.00		3.3858
72.00		2.8346	86.519	3-13/32"	3.4063
72.231	2-27/32"	2.8437	87.00		3.4252
73.00		2.8740	87.312	3-7/16"	3.4375
73.025	2-7/8"	2.8750	88.00		3.4646
73.819	2-29/32"	2.9063	88.106	3-15/32"	3.4687
74.00		2.9134	88.900	3-1/2"	3.5000
74.612	2-15/16"	2.9375	89.00		3.5039
75.00		2.9528	90.00		3.5433
75.406	2-31/32"	2.9687	90.488	3-9/16"	3.5625
76.00		2.9921	91.00		3.5827
76.200	3"	3.0000	92.00		3.6220
76.994	3-1/32"	3.0313	92.075	3-5/8"	3.6250
77.00		3.0315	93.00		3.6614
77.788	3-1/16"	3.0625	93.662	3-11/16"	3.6875
78.00		3.0709	94.00		3.7008
78.581	3-3/32"	3.0937	95.00		3.7402
79.00		3.1102	95.250	3-3/4"	3.7500
79.375	3-1/8"	3.1250	96.00		3.7795
80.00		3.1496	96.838	3-13/16"	3.8125
80.169	3-5/32"	3.1563	97.00		3.8189
80.962	3-3/16"	3.1875	98.00		3.8583
81.00		3.1890	98.425	3-7/8"	3.8750
81.756	3-7/32"	3.2187	99.00		3.8976
82.00		3.2283	100.00		3.9370
82.550	3-1/4"	3.2500	100.012	3-15/16"	3.9375
83.00		3.2677	101.600	4"	4.0000