

## Conversion Charts

### Numerical Prefixes Used in Chemical Names

Numeral	Prefix
1/2	hemi-
1	mono-
1-1/2	sesqui-
2	di-, bi-
2-1/2	hemipenta-
3	tri-
4	tetra-
5	penta-
6	hexa-
7	hepta-
8	octa-
9	ennea-, nona-
10	deca-
11	hendeca-, undeca-
12	dodeca-
13	trideca-
14	tetradeca-
15	pentadeca-
16	hexadeca-
17	heptadeca-
18	octadeca-
19	nonadeca-
20	eicosa-
21	heneicosa-
22	docosa-
23	tricoso-
24	tetracoso-
25	pentacoso-
26	hexacoso-
27	heptacoso-
28	octacoso-
29	nonacoso-
30	triaconta-
40	tetraconta-
50	pentaconta-
60	hexaconta-
70	heptaconta-
80	octaconta-
90	nonaconta-
100	hecta-
101	henhecta-
102	dohecta-
110	decahecta-
120	eicosahecta-
200	dicta-

### Wire Gauge Dimensions

AWG; B&S Gauge No.	Inches	Inches	Millimeters
0000000	.....	0.00001	0.000254
000000	0.580000	0.00005	0.00127
00000	0.516500	0.0001	0.00254
0000	0.460000	0.0005	0.0127
000	0.409642	0.001	0.0254
00	0.364796	0.002	0.0506
0	0.324861	0.003	0.0762
1	0.289297	0.004	0.1016
2	0.257627	0.005	0.1270
3	0.229423	0.006	0.1524
4	0.204307	0.007	0.1778
5	0.181940	0.008	0.2032
6	0.162023	0.009	0.2286
7	0.144285	0.010	0.2540
8	0.128490	0.015	0.3810
9	0.114423	0.020	0.5080
10	0.101897	0.025	0.6350
11	0.090742	0.030	0.7620
12	0.080808	0.035	0.8890
13	0.071962	0.040	1.016
14	0.064084	0.045	1.143
15	0.057068	0.050	1.270
16	0.050821	0.060	1.524
17	0.045257	0.070	1.778
18	0.040303	0.080	2.032
19	0.035890	0.090	2.286
20	0.031961	0.100	2.540
21	0.028462	0.125	3.175
22	0.025346	0.150	3.810
23	0.022572	0.20	5.080
24	0.020101	0.25	6.350
25	0.017900	0.30	7.620
26	0.015941	0.40	10.160
27	0.014195	0.50	12.700
28	0.012641	0.75	19.050
29	0.011257	1.0	25.40
30	0.010025	2	50.80
31	0.008928	3	76.20
32	0.007950	4	101.60
33	0.007080	5	127.00
34	0.006305	6	152.40
35	0.005615	7	177.80
36	0.005000	8	203.20
37	0.004453	9	228.60
38	0.003965	10	254.00
39	0.003531	11	279.40
40	0.003144	12	304.80

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