

EARLE M. JORGENSEN COMPANY

REFERENCE BOOK

ALLOY • ALUMINUM • BRASS • BRONZE
CARBON • CAST IRON • CHROME • NICKEL
STAINLESS • SUPER ALLOY • TITANIUM
BAR • PIPE • PLATE • SHEET • TUBE

SECTION S

WEIGHT TABLES

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Weights for Other Products

Weights for Sheets, Plates, Shapes, Tubing, etc., will be found in connection with the listings of sizes in the preceding sections of this book.

WEIGHTS ARE FOR ESTIMATING PURPOSES ONLY

All weights in this book are theoretical; that is, they are computed on the basis of the specific gravities of the metals involved.

The weights shown would be accurate if steel and aluminum could always be produced to exact size, but this is seldom possible in commercial practice. Accuracy of dimensions, particularly of hot rolled steel products, is influenced by many factors, such as mill design, heating practice, reduction between passes, roll wear, roll pressure, composition of steel, and standard tolerances.

Therefore, all weight tables should be used for estimating purposes only.



ROUNDS

Size		Weigl	ıt in Pou	nds	Size		Weight i	n Pound	ls
in Inches	Per Inch	Per Foot	12-Ft. Bar	20-Ft. Bar	in Inches	Per Inch	Per Foot	12-Ft. Bar	20-Ft. Bar
1/8	.0035	.042	.50	.84	2	.8910	10.69	128.3	213.8
5/32	.0554	.065	.78	1.31	1/16	.9475	11.37	136.4	227.4
³ /16	.0078	.094	1.13	1.88	1/8	1.006	12.07	144.8	241.4
7/32	.0107	.128	1.54	2.56	³ /16	1.066	12.79	153.5	255.8
1/ ₄	.0139	.167	2.01	3.34	1/4	1.128	13.53	162.4	270.6
9/32 5/16	.0176 .0218	.211 .261	2.54 3.13	4.23 5.22	⁵ /16 3/8	1.191 1.256	14.29 15.08	171.5 180.9	285.9 301.5
11/32	.0216	.316	3.13	6.32	7/16	1.323	15.88	190.6	317.6
3/8	.0203	.376	4.51	7.52	1/2	1.392	16.71	200.5	334.1
13/32	.0368	.441	5.29	8.82	9/16	1.463	17.55	210.6	351.0
7/16	.0426	.512	6.14	10.23	5/8	1.535	18.42	221.0	368.4
15/32	.0489	.587	7.05	11.75	11/16	1.609	19.31	231.7	386.1
31/64	.0523	.627	7.53	12.54	³ / ₄ ¹³ / ₁₆	1.684 1.762	20.21 21.14	242.6 253.7	404.3 422.9
1/2	.0557	.668	8.02	13.36	7/8	1.762	22.09	265.1	441.9
17/32	.0629	.754	9.05	15.09	15/16	1.922	23.06	276.8	461.3
9/16 19/-	.0705	.846	10.15	16.91	3	2.005	24.06	288.7	481.1
19/ ₃₂ 39/ ₆₄	.0785 .0827	.942 .993	11.31 11.91	18.85 19.85	1/16	2.089	25.07	300.8	501.4
5/8	.0870	1.044	12.53	20.88	1/8	2.175	26.10	313.2	522.0
⁴¹ / ₆₄	.0914	1.097	13.16	21.94	3/16	2.263	27.16	325.9	543.1
21/32	.0959	1.151	13.81	23.02	1/4	2.353	28.23	338.8	564.6
11/16	.1053	1.263	15.16	25.27	⁵ /16 ³ /8	2.444 2.537	29.33 30.45	351.9 365.3	586.6 608.9
23/32	.1151	1.381	16.57	27.62	7/16	2.632	31.58	379.0	631.7
47/64	.1201	1.442	17.30	28.83	1/2	2.729	32.74	392.9	654.8
3/ ₄	.1253	1.504	18.04	30.07	9/16	2.827	33.92	407.1	678.4
⁴⁹ / ₆₄ 25/ ₃₂	.1306 .1359	1.567 1.631	18.80 19.58	31.34 32.63	5/8	2.927	35.12	421.5	702.5
13/16	.1470	1.765	21.17	35.29	¹¹ / ₁₆ 3/ ₄	3.029 3.132	36.35 37.59	436.1 451.0	726.9 751.7
27/32	.1586	1.903	22.83	38.06	13/16	3.132	38.85	466.2	777.0
55/64	.1645	1.974	23.69	39.48	7/8	3.345	40.14	481.6	802.7
7/8	.1705	2.046	24.56	40.93	¹⁵ /16	3.453	41.44	497.3	828.8
29/32	.1829	2.195	26.34	43.90	4	3.564	42.77	513.2	855.3
¹⁵ / ₁₆	.1958	2.349	28.19	46.98	1/8	3.790	45.48	545.8	909.6
31/ ₃₂ 63/ ₆₄	.2090	2.508	30.10	50.17	³ /16	3.906	46.87	562.4	937.4
9764	.2158	2.590	31.08	51.80	¹ / ₄ ⁵ / ₁₆	4.023 4.142	48.28 49.71	579.3 596.5	965.6 994.2
1	.2227	2.673	32.07	53.46	3/8	4.263	51.16	613.9	1023
¹ /64	.2294	2.752	33.03	55.05	7/16	4.386	52.63	631.6	1053
1/ ₃₂ 1/ ₁₆	.2369 .2515	2.843 3.017	34.11 36.21	56.85 60.35	1/2	4.510	54.13	649.5	1083
1/8	.2819	3.383	40.59	67.66	⁹ /16	4.637	55.64	667.7	1113
³ /16	.3141	3.769	45.23	75.38	5/8 11/16	4.765 4.894	57.18 58.73	686.1 704.8	1143 1175
1/4	.3480	4.176	50.12	83.53	3/4	5.026	60.31	723.7	1206
5/16	.3837	4.604	55.25	92.09	7/8	5.294	63.52	762.3	1270
3/8	.4211	5.053	60.64	101.1	¹⁵ /16	5.430	65.16	781.9	1303
⁷ /16	.4603	5.523	66.28	110.5	5	5.569	66.82	801.9	1336
1/2 9/40	.5012	6.014	72.17	120.3	1/8	5.850	70.21	842.4	1404
9/16 5/8	.5438 .5882	6.526 7.058	78.31 84.70	130.5 141.2	1/4	6.139	73.67	884.0	1473
¹¹ / ₁₆	.6343	7.612	91.34	152.2	³ / ₈ ⁷ / ₁₆	6.435 6.586	77.22 79.03	926.6 948.3	1544 1581
3/4	.6821	8.186	98.23	163.7	1/2	6.738	80.86	970.2	1617
13/16	.7317	8.781	105.4	175.6	5/8	7.048	84.57	1015	1691
7/8	.7831	9.397	112.8	187.9	3/4	7.364	88.37	1060	1767
¹⁵ / ₁₆	.8361	10.03	120.4	200.7	¹⁵ /16	7.852	94.23	1131	1885
						(Contir	nued nex	tt page)	



ROUNDS



SQUARES

Sec. S



HEXAGONS



OCTAGONS

Size		Weigl	nt in Pou	nds	Size -		Weight i	eight in Pounds		
in Inches	Per Inch	Per Foot	12-Ft. Bar	20-Ft. Bar	in Inches	Per Inch	Per Foot	12-Ft. Bar	20-Ft. Bar	
3/16	.0086	.104	1.24	2.07	3/16	.0083	.099	1.19	1.98	
1/4	.0154	.184	2.21	3.68	1/4	.0147	.176	2.11	3.52	
5/16	.0240	.288	3.45	5.76	5/16	.0229	.275	3.30	5.51	
3/8	.0345	.415	4.97	8.29	3/8	.0330	.397	4.76	7.93	
⁷ /16	.0470	.564	6.77	11.28	7/ ₁₆	.0450	.540	6.48	10.79	
1/2	.0614	.737	8.84	14.74	1/2	.0587	.705	8.46	14.10	
9/16	.0777	.933	11.19	18.65	9/16				17.84	
5/8	.0959	1.151	13.82	23.03	5/8	.0743	.892	10.70		
11/16	.1161	1.393	16.72	27.86		.0918	1.101	13.21	22.02	
3/4	.1382	1.658	19.89	33.16	11/16	.1110	1.333	16.00	26.66	
13/ ₁₆	.1621	1.946	23.35	38.91	3/4	.1322	1.586	19.03	31.72	
7/ ₈ 15/ ₁₆	.1880	2.257	27.08	45.13	13/16	.1551	1.861	22.33	37.22	
	.2159	2.590	13.08	51.81	7/8	.1799	2.159	25.91	43.18	
1 1/16	.2456 .2773	2.947 3.327	35.37 39.93	58.95 66.54	15/16	.2065	2.478	29.74	49.56	
1/8	.3108	3.730	39.93 44.76	74.60	1	.2349	2.819	33.83	56.38	
³ / ₁₆	.3463	4.156	49.87	83.12	¹ /16	.2652	3.183	38.20	63.66	
1/4	.3838	4.605	55.26	92.10	1/8	.2973	3.568	42.82	71.36	
5/ ₁₆	.4231	5.077	60.93	101.5	3/16	.3313	3.976	47.71	79.52	
3/8	.4643	5.572	66.87	111.4	1/4	.3671	4.405	52.86	88.10	
⁷ /16	.5075	6.090	73.08	121.8	5/16	.4047	4.857	58.28	97.14	
1/2	.5526	6.631	79.56	132.6	3/8	.4442	5.330	63.96	106.6	
9/16	.5996	7.196	86.35	143.9	7/16	.4855	5.826	69.91	116.5	
5/8	.6485	7.783	93.39	155.7	1/2	.5286	6.343	76.12	126.9	
11/16	.6994	8.393	100.7	167.9	9/16	.5736	6.883	82.60	137.7	
3/4	.7522	9.026	108.3	180.5	5/8	.6204	7.445	89.34	148.9	
13/16	.8068	9.682	116.2	193.6	11/16	.6690	8.028	96.34	160.6	
7/8	.8634	10.36	124.3	207.2	3/4	.7195	8.634	103.6	172.7	
15/16	.9220	11.06	132.8	221.3	13/16	.7718	9.262	111.1	185.4	
2	.9824	11.79	141.5	235.8	7/8	.8260	9.912	118.9	198.2	
1/8	1.109	13.31	159.7	266.2	15/16	.8819	10.58	127.0	211.6	
3/16	1.175	14.10	169.2	282.1	2	.9398	11.28	135.4	225.6	
1/4	1.243	14.92	179.0	298.4	1/8	1.061	12.73	152.8	254.6	
3/8	1.385	16.62	199.5	332.5	3/16	1.124	13.49	161.9	269.8	
⁷ / ₁₆	1.459	17.51	210.1	350.2	1/4	1.189	14.27	171.2	285.4	
1/2	1.535	18.42	221.0	368.4	3/8	1.325	15.90	190.8	318.0	
5/8	1.692	20.31	243.7	406.2	7/16	1.396	16.75	201.0	335.0	
3/ ₄	1.857	22.29	267.5	445.8	1/2	1.468	17.62	211.4	352.4	
⁷ /8	2.030	24.36	292.3	487.2	5/8	1.619	19.43	233.2	388.6	
3 1/8	2.210 2.398	26.53 28.78	318.3 345.4	530.5 575.6	3/4	1.777	21.32	255.8	426.4	
1/8 1/4	2.594	28.78 31.13	345.4 373.6	622.6	7/ ₈	1.777	23.30	279.6	466.0	
1/2	3.009	36.10	433.2	722.1						
3/4	3.454	41.45	497.3	828.9	3	2.114	25.37	304.4	507.4	
4	3.930	47.16	565.9	943.1	1/8	2.294	27.53	330.4	550.6	
-	3.500		555.5	J . J	1/2	2.878	34.54	414.5	690.8	



FLATS

Size		Weig	ht in Pou	nds	Size _	,	Weight i	in Pound	ls
in	Per	Per	12-Ft.	20-Ft.	in	Per	Per	12-Ft.	20-Ft.
Inches	Inch	Foot	Bar	Bar	Inches	Inch	Foot	Bar	Bar
¹ / ₁₆ x ¹ / ₄	.0044	.053	.64	1.06	3/16 x 1/4	.0133	.160	1.91	3.19
3/8	.0066	.080	.96	1.60	5/16	.0166	.199	2.39	3.99
1/2	.0089	.106	1.28	2.13	3/8	.0199	.239	2.87	4.79
5/8	.0111	.133	1.60	2.66	⁷ /16	.0233	.279	3.35	5.58
3/4 7/8	.0133 .0155	.160 .186	1.91 2.23	3.19 3.72	1/ ₂ 5/ ₈	.0266 .0332	.319 .399	3.83 4.79	6.38 7.98
1	.0177	.213	2.55	4.25	3/4	.0399	.479	5.74	9.57
1 1/8	.0199	.239	2.87	4.79	7/8	.0465	.558	6.70	11.17
1 1/4	.0222	.266	3.19	5.32	1	.0532	.638	7.66	12.76
1 ¹ /2 1 ³ /4	.0266 .0310	.319 .372	3.83 4.47	6.38 7.45	1 ¹ /8 1 ¹ /4	.0598 .0665	.718 .798	8.61 9.57	14.36 15.95
2	.0355	.425	5.11	8.51	1 3/8	.0731	.877	10.53	17.55
2 1/2	.0443	.532	6.38	10.64	1 1/2	.0798	.957	11.49	19.14
3	.0532	.638	7.66	12.76	1 3/4	.0931	1.117	13.40	22.33
³ / ₃₂ x ³ / ₈	.0100	.120	1.44	2.39	2 2 ½	.1064 .1196	1.276 1.436	15.31 17.23	25.52 28.71
1/2	.0133	.160	1.91	3.19	2 1/2	.1329	1.595	19.14	31.91
5/8	.0166	.199	2.39	3.99	2 ½ 2 ¾	.1462	1.755	21.06	35.10
3/ ₄	.0199	.239	2.87	4.79	3	.1595	1.914	22.97	38.29
7/ ₈ 1	.0233 .0266	.279 .319	3.35 3.83	5.58 6.38	3 ½ 4	.1861 .2127	2.233 2.552	26.80 30.63	44.67 51.05
1 ¹ /8	.0299	.359	4.31	7.18	4 1/2	.2393	2.871	34.46	57.43
1 1/4	.0332	.399	4.79	7.98	5	.2659	3.191	38.29	63.81
1 1/2	.0399	.479	5.74	9.57	6	.3191	3.829	45.94	76.57
1 ³ /4 2	.0465 .0532	.558 .638	6.70 7.66	11.17 12.76	8 10	.4254 .5318	5.105 6.381	61.26 76.57	102.1 127.6
2 1/2	.0665	.798	9.57	15.95	12	.6381	7.657	91.89	153.1
3	.0798	.957	11.49	19.14	1/4				
1/8	0000	000	00	4.00	x 5/16	.0222	.266	3.19	5.32
x 3/16 1/4	.0066	.080 .106	.96 1.28	1.60 2.13	3/8 7/16	.0266 .0310	.319 .372	3.83 4.47	6.38 7.44
5/ ₁₆	.0111	.133	1.60	2.66	1/2	.0355	.425	5.11	8.51
3/8	.0133	.160	1.91	3.19	9/16	.0399	.479	5.74	9.57
1/ ₂ 5/ ₈	.0177	.213 .266	2.55 3.19	4.25	5/ ₈ 3/ ₄	.0443 .0532	.532 .638	6.38	10.64
3/ ₄	.0222 .0266	.319	3.13	5.32 6.38	7/8	.0620	.745	7.66 8.93	12.76 14.89
7/8	.0310	.372	4.47	7.45	1	.0709	.851	10.21	17.02
1	.0355	.425	5.11	8.51	1 1/8	.0798	.957	11.49	19.14
1 ¹ /8 1 ¹ /4	.0399 .0443	.479 .532	5.74 6.38	9.57 10.64	1 ¹ / ₄ 1 ³ / ₈	.0886 .0975	1.064 1.170	12.76 14.04	21.27 23.40
1 1/2	.0532	.638	7.66	12.76	1 1/2	.1064	1.176	15.31	25.52
1 3/4	.0620	.745	8.93	14.89	1 5/8	.1152	1.383	16.59	27.65
2	.0709	.851	10.21	17.02	1 3/4	.1241	1.489	17.87	29.78
2 ¹ / ₄ 2 ¹ / ₂	.0798 .0886	.957 1.064	11.49 12.76	19.14 21.27	2 2 ½	.1418 .1595	1.702 1.914	20.42 22.97	34.03 38.29
2 3/4	.0000	1.170	14.04	23.40	2 1/2	.1773	2.127	25.52	42.54
3	.1064	1.276	15.31	25.52	2 3/4	.1950	2.340	28.08	46.79
3 1/2	.1241	1.489	17.87	29.78	3	.2127	2.552	30.63	51.05
4 4 ½	.1418 .1595	1.702 1.914	20.42 22.97	34.03 38.29	3 ¹ / ₄ 3 ¹ / ₂	.2304 .2482	2.765 2.978	33.18 35.73	55.30 59.56
5	.1773	2.127	25.52	42.54	3 3/4	.2659	3.191	38.29	63.81
6	.2127	2.552	30.63	51.05	4	.2836	3.403	40.84	68.06
8	.2836	3.403	40.84	68.06	4 1/2	.3191	3.829	45.94	76.57
10	.3545	4.254	51.05	85.08 102.1	4 3/4	.3368 (Conti	4.041	48.49	80.82
12	.4254	5.105	61.26	102.1		(COITII	iueu ne	xt page)	



FLATS (Continued)

		Weigh	nt in Pou	nds			Weight i	n Pound	s
Size in Inches	Per Inch	Per Foot	12-Ft. Bar	20-Ft. Bar	Size - in Inches	Per Inch	Per Foot	12-Ft. Bar	20-Ft. Bar
Inches 1/4 x 5 5 1/2 6 6 1/2 7 8 9 10 12 5 5 1/2 5 8 3 4 7 7 8 1 1 1 1 1 1 1 1 1	.3545 .3900 .4254 .4609 .4963 .5672 .6381 .7090 .8508 .0332 .0443 .0554 .0665 .0775 .0886 .0997	4.254 4.679 5.105 5.530 5.956 6.806 7.657 8.508 10.21 .399 .532 .665 .798 .931 1.064	51.05 56.15 61.26 61.26 671.47 81.68 91.88 102.1 122.5 4.79 6.38 7.98 9.57 11.17 12.76 14.36	85.08 93.59 102.1 110.6 119.1 136.1 153.1 170.2 204.2 7.98 10.64 13.29 15.95 18.61 21.27 23.93	3/8 x 3 3 1/4 3 3/8 3 1/2 3 3/4 4 1/4 4 1/2 5 1/2 6 6 1/2 7 8 9 10 12 7/16	3191 .3436 .3589 .3722 .3988 .4254 .4520 .4786 .5318 .5849 .6381 .6913 .7445 .8508 .9572 1.064 1.276	3.829 4.148 4.307 4.467 4.786 5.105 5.424 5.743 6.381 7.019 7.657 8.295 8.993 10.21 11.49 12.76 15.31	45.94 49.77 51.69 53.60 57.43 61.26 65.09 68.91 76.57 84.23 91.89 99.54 107.2 122.5 137.9 153.1 183.8	76.57 82.95 86.14 89.33 95.72 102.1 108.5 114.9 127.6 140.4 153.1 165.9 178.7 204.2 229.8 255.2 306.3
1 1/4 1 3/8 1 1/2 1 5/8 1 3/4 2 1/2 2 1/4 2 1/2 2 3/4 3 1/2 4 1/2 5 1/2 6 7	.1108 .1219 .1329 .1440 .1551 .1773 .1994 .2216 .2437 .2659 .3102 .3545 .3988 .4431 .4874 .5318 .6204	1.329 1.462 1.595 1.729 1.861 2.127 2.393 2.659 2.925 3.191 3.722 4.254 4.786 5.318 5.849 6.381 7.445	15.95 17.55 19.14 20.74 22.33 25.52 28.71 31.91 35.10 38.29 44.68 51.05 57.43 63.81 70.19 76.57 89.33	26.59 29.25 31.91 34.56 37.22 42.54 47.86 53.18 58.50 63.81 74.45 85.08 95.72 106.4 117.0 127.6 148.9	x 1/2 5/8 3/4 7/8 1 1/4 1 1/2 1 3/4 2 1/2 3 1/2 4 5 6 1/2	.0620 .0775 .0931 .1086 .1241 .1551 .1861 .2171 .2482 .2792 .3102 .3722 .4343 .6204 .7445	.745 .931 1.117 1.303 1.489 1.861 2.333 2.606 2.978 3.350 3.722 4.467 5.211 5.956 7.445 8.933	8.93 11.17 13.40 15.63 17.87 22.33 26.80 31.27 35.73 40.20 44.67 53.60 62.53 107.2	14.89 18.61 22.33 26.06 29.78 37.22 44.67 52.11 59.56 67.00 74.45 89.33 104.2 119.1 148.9 178.7
1/2 5/8 3/4 7/8 1 1 1/8 1 1/4 1 3/8 1 1/2 1 5/8 1 3/4 2 1/4	.7090 .8863 1.064 .0465 .0532 .0665 .0798 .0931 .1064 .1329 .1462 .1595 .1728 .1861 .2127 .2393 .2659 .2925	8.508 10.64 12.76 .558 .638 .957 1.117 1.276 1.436 1.595 1.755 1.914 2.074 2.233 2.552 2.871 3.191 3.510	102.1 127.6 153.1 6.70 7.66 9.57 11.49 13.40 15.31 17.23 19.14 21.06 22.97 24.89 26.80 30.63 34.46 38.29 42.11	170.2 212.7 255.2 11.17 12.76 15.95 19.14 22.33 25.52 28.71 35.10 35.10 38.29 41.48 44.67 51.05 57.43 63.81 70.19	x 5/8 3/4 7/8 1 1/8 1 1/4 1 3/8 1 1/2 1 5/8 1 3/4 2 1/2 2 3/4 3 1/2 3 3/4 4 1/4	.0886 .1064 .1241 .1418 .1595 .1773 .1950 .2127 .2304 .2482 .2836 .3191 .3545 .3900 .4254 .4609 .4963 .5813 .5672 .6027 (Conti	1.064 1.276 1.489 1.702 1.914 2.127 2.340 2.552 2.765 3.403 3.829 4.254 4.679 5.105 5.530 5.956 6.381 6.806 7.232 nued ne	12.76 15.31 17.87 20.42 22.97 25.52 28.08 30.63 33.18 40.84 45.94 51.05 56.15 61.26 66.36 71.47 76.57 81.68 86.78 xt page)	21.27 25.52 29.78 34.03 38.29 42.54 46.79 51.05 55.30 68.06 76.57 85.08 93.59 102.1 110.6 119.1 127.6 136.1 144.6



FLATS (Continued)

Size		Weigh	nt in Pou	nds	Size -		Weight	in Pound	ls
in Inches	Per Inch	Per Foot	12-Ft. Bar	20-Ft. Bar	in Inches	Per Inch	Per Foot	12-Ft. Bar	20-Ft. Bar
1/2 x 4 ½ 4 ¾ 5 5 ½ 6 6 ½ 7 8 9 10 12 5/8 x ¾ 4	.6381 .6736 .7090 .7799 .8508 .9217 .9926 1.134 1.276 1.418 1.702 .1329 .1551 .1773 .1994 .2216	7.657 8.083 8.508 9.359 10.21 11.06 11.91 13.61 15.31 17.02 20.42 1.595 1.861 2.127 2.393 2.659	91.89 97.00 102.1 112.3 122.5 132.7 142.9 163.4 183.8 204.2 245.0 19.14 22.33 25.52 28.71 31.91	153.1 161.7 170.2 187.2 204.2 221.2 238.2 272.3 306.3 340.3 408.4 31.91 37.22 42.54 47.86 53.18	3/4 x 4 4 1/2 5 1/2 6 7 8 9 10 12 7/8 x 1 1 1/8 1 1/4 1 3/8 1 1/2 1 3/4 2	.8508 .9572 1.064 1.170 1.276 1.489 1.702 1.914 2.127 2.552 .2482 .2792 .3102 .3412 .3722 .4343 .4963	10.21 11.49 12.76 14.04 15.31 17.87 20.42 22.97 25.52 30.63 2.978 3.350 3.722 4.094 4.467 5.215 5.956	122.5 137.8 153.1 168.5 183.8 214.4 245.0 275.7 306.3 367.5 35.73 40.20 44.67 49.13 53.60 62.53 71.47	204.2 229.7 255.2 280.8 306.3 357.3 408.4 459.4 510.5 612.6 59.56 67.00 74.45 81.89 89.33 104.2 119.1
1 3/8 1 1/2 1 5/8 1 3/4 2 1/4 2 1/2 2 3/4 3 1/4 3 1/2 4 1/2	.2216 .2437 .2659 .2880 .3102 .3545 .3988 .4431 .4874 .5318 .5761 .6204 .7090 .7976 .8863	2.925 3.191 3.456 3.722 4.254 4.786 5.318 5.849 6.381 6.913 7.445 8.508 9.572	31.91 35.10 38.29 41.47 44.67 51.05 57.43 63.81 70.19 76.57 82.95 89.33 102.1 114.9 127.6	53.18 58.49 63.81 69.12 74.45 85.08 95.72 106.4 117.0 127.6 138.3 148.9 170.2 191.4 212.7	2 1/4 2 1/2 2 3/4 3 1/2 4 1/2 5 6 7 8 10 12 1 1/8	.5583 .6204 .6824 .7445 .8685 .9926 1.117 1.241 1.489 1.737 1.985 2.482 2.975	6.700 7.445 8.189 8.933 10.42 11.91 13.40 14.89 17.87 20.84 23.82 29.78 35.73	80.40 89.33 98.27 107.2 125.1 142.9 160.8 178.7 214.4 250.1 285.9 357.4 428.4	134.0 148.9 163.8 178.7 208.4 238.2 268.0 297.8 357.3 416.9 476.4 595.6 714.7
6 7 8 10 12 3/4 x ⁷ /8	.9749 1.064 1.241 1.418 1.773 2.127	10.64 11.70 12.76 14.89 17.02 21.27 25.52	140.4 153.1 178.7 204.2 255.2 306.3 26.80	234.0 255.2 297.8 340.3 425.4 510.5	1 1/4 1 3/8 1 1/2 1 5/8 1 3/4 2 1/2 2 1/4 2 3/4 3	.3545 .3900 .4254 .4609 .4963 .5672 .6381 .7090 .7799	4.254 4.679 5.105 5.530 5.956 6.806 7.657 8.508 9.359	51.05 56.15 61.26 66.36 71.47 81.68 91.89 102.1 112.3	85.08 93.59 102.1 110.6 119.1 136.1 153.1 170.2 187.2
2 ½ 2 ¾ 3 3 ¼ 3 ½	.2127 .2393 .2659 .2925 .3191 .3456 .3722 .4254 .4786 .5318 .5849 .6381 .6913 .7445 .7976	2.552 2.871 3.191 3.510 3.829 4.148 4.467 5.105 5.743 6.381 7.019 7.657 8.295 8.933 9.572	30.63 34.46 38.29 42.11 45.94 49.77 53.60 61.26 68.91 76.57 84.23 91.89 99.54 107.2 114.9	51.05 57.43 63.81 70.19 76.57 82.95 89.33 102.1 114.9 127.6 140.4 153.1 165.9 178.7 191.4	3 1/4 3 1/2 4 1/2 5 1/2 6 1/2 7 8 9 10 11 12	.8508 .9217 .9926 1.134 1.276 1.418 1.560 1.702 1.843 1.985 2.269 2.552 2.836 3.120 3.403 (Conti	10.21 11.06 11.91 13.61 17.02 18.72 20.42 22.12 23.82 27.23 30.63 34.03 37.44 40.84 nued ne	122.5 132.7 142.9 163.4 183.8 204.2 224.6 245.0 265.4 285.9 326.7 367.5 408.4 449.3 490.1 xt page)	204.2 221.2 238.2 272.3 306.3 340.3 374.4 408.4 476.4 544.4 612.6 680.6 748.8 816.8



FLATS (Continued)

Size		Weigh	t in Pou	nds	Size -		Weight i	n Pound	ls
in Inches	Per Inch	Per Foot	12-Ft. Bar	20-Ft. Bar	in Inches	Per Inch	Per Foot	12-Ft. Bar	20-Ft. Bar
1 1/8 x 1 1/4	.3988	4.786	57.43	95.72	1 ³ / ₄ x 2 2 ¹ / ₄	.9926 1.117	11.91	142.9	238.2
1 ½ 1 ¾	.4786 .5583	5.743 6.700	68.92 80.40	114.9 134.0	2 ¹ / ₂ 2 ³ / ₄	1.117 1.241 1.365	13.40 14.89 16.38	160.8 178.7 196.5	268.0 297.8 327.6
2 2 ½	.6381 .7179	7.657 8.614	91.89 103.4	153.1 172.3	3 3 1/2	1.489 1.737	17.87 20.84	214.4 250.1	357.3 416.9
2 ½ 3	.7976 .9572	9.572 11.49	114.9 137.8	191.4 229.7	4 4 1/2	1.985	23.82 26.80	285.9 321.6	476.4 536.0
4 5	1.276 1.595	15.31 19.14	183.8 229.7	306.3 382.9	5 6	2.482 2.978	29.78 35.73	357.3 428.8	595.6 714.7
6	1.914	22.97	275.7	459.4	8 9	3.970 4.467	47.64 53.60	571.7 643.2	952.8 1072
1 ¹ / ₄ x 1 ³ / ₈	.4874	5.849	70.19	117.0	10	4.963	59.56	714.7	1191
1 ½ 1 5/8	.5318 .5761	6.381 6.913	76.57 82.96	127.6 138.3	2 x 2 ¹ / ₄	1.276	15.31	183.8	306.3
1 ³ / ₄ 2	.6204 .7090	7.445 8.508	89.33 102.1	148.9 170.2	2 ½ 2 ¾	1.418 1.560	17.02 18.72	204.2 224.6	340.3 374.4
2 ¹ / ₄ 2 ¹ / ₂	.7976 .8863	9.572 10.64	114.9 127.6	191.4 221.7	3 1/4	1.702 1.843	20.42 22.12	245.0 265.4	408.4 442.4
2 ³ / ₄ 3	.9749 1.064	11.70 12.76	140.4 153.1	234.0 255.2	3 ¹ / ₂ 3 ³ / ₄	1.985 2.127	23.82 25.52	285.9 306.2	476.4 510.4
3 ½ 3 ½	1.152 1.241	13.82 14.89	165.8 178.7	276.4 297.8	4 4 ¹ / ₂	2.269	27.23 30.63	326.7 367.5	544.5 612.6
3 ³ / ₄ 4	1.329 1.418	15.95 17.02	191.4 204.2	319.0 340.3	5 5 ½ 6	2.836 3.120 3.403	34.03 37.44 40.84	408.4 449.3 490.1	680.6 748.8 816.8
4 ½ 5	1.595 1.773	19.14 21.27	229.7 255.2	382.9 425.4	7 8	3.970 4.538	47.64 54.45	571.7 653.4	952.9 1089
5 ½ 6	1.950 2.127	23.40 25.52	280.8 306.3	467.9 510.5	10 12	5.672 6.806	68.06 81.68	816.8 980.1	1361 1634
7 8	2.482 2.836	29.78 34.03	357.3 408.4	595.6 680.6	21/2	0.000	000		
9 10	3.191 3.545	38.29 42.54	459.5 510.5	765.8 850.8	x 2 ³ / ₄	1.949 2.127	23.40 25.52	280.8 306.3	468.0 510.5
12	4.254	51.05	612.6	1021	3 ¹ / ₂	2.482 2.836	29.78 34.03	357.3 408.4	595.6 680.6
1 ¹ / ₂ x 1 ⁵ / ₈	.6913	8.295	99.54	165.9	4 ¹ / ₂ 5	3.191 3.545	38.29 42.54	459.4 510.5	765.7 850.8
1 ³ / ₄ 2	.7445 .8508	8.933 10.21	107.2 122.5	178.7 204.2	5 ½ 6	3.900 4.254	46.79 51.05	561.5 612.6	935.8 1021
2 ¹ / ₄ 2 ¹ / ₂	.9572 1.064	11.49 12.76	137.8 153.1	229.7 255.2	7 8 9	4.963 5.672	59.56 68.06	714.7 816.8	1191 1361
2 ³ / ₄	1.170 1.276	14.04 15.31	168.5 183.8	280.8 306.3	10	6.381 7.090 7.799	76.57 85.08 93.59	918.9 1021 1123	1531 1702 1872
3 ½ 3 ½	1.383 1.489	16.59 17.87	199.1 214.4	331.8 357.3	12	8.508	102.1	1225	2042
4 4 ½	1.702 1.914	20.42 22.97	245.0 275.7	408.4 459.4	3 x 3 ½	2.978	35.73	428.8	714.7
5 5 ½	2.127 2.340	25.52 28.08	306.3 336.9	510.5 561.5	4 4 1/2	3.403 3.829	40.84 45.94	490.1 551.3	816.8 918.9
6 7	2.552 2.978	30.63 35.73	367.5 428.8	612.6 714.7	5 6	4.254 5.105	51.05 61.26	612.6 735.1	1021 1225
8 9	3.403 3.829	40.84 45.94	490.1 551.3	816.8 918.8	7 8	5.957 6.806	71.47 81.68	857.6 980.1	1429 1634
10 12	4.254 5.105	51.05 61.26	612.6 735.1	1021 1225	10 12	8.508 10.21	102.1 122.5	1225 1470	2042 2450

WEIGHTS OF STEEL CIRCLES

For Circumferences and Areas of Circles, see Section Q

Diameter	2/1/1	1./40	= (1 < 1)	2.60	1/0//	E (0)	3/4"	= (0.11	4.11
In Inches	3/16" Thick			3/8" Thick	1/2" Thick	5/8" Thick		7/8" Thick	1" Thick
2 1/4	.17 .21	.22 .28	.28 .35	.33 .42	.45 .56	.56 .70	.67 .85	.78 .99	.89 1.13
1/2	.26	.35	.44	.52	.70	.87	1.04	1.22	1.39
3/4	.32	.42	.53	.63	.84	1.05	1.26	1.47	1.68
3 1/ ₄	.38	.50 .59	.63 .74	.75 .88	1.00 1.18	1.25 1.47	1.50 1.76	1.75 2.06	2.00 2.35
1/2	.51	.68	.85	1.02	1.36	1.71	2.05	2.39	2.73
	.59 .67	.78 .89	.98 1.11	1.17	1.57 1.78	1.96 2.23	2.35	2.74 3.12	3.12 3.56
1/4	.75	1.01	1.26	1.51	2.01	2.51	3.02	3.52	4.02
1/ ₂ 3/ ₄	.85	1.13 1.26	1.41 1.57	1.69 1.88	2.26 2.51	2.82 3.14	3.38 3.77	3.95 4.40	4.51 5.03
5	1.04	1.39	1.74	2.09	2.78	3.48	4.18	4.87	5.57
1/ ₄ 1/ ₂	1.15 1.26	1.53 1.68	1.92 2.11	2.30 2.53	3.07 3.37	3.84 4.21	4.60 5.05	5.37 5.90	6.14 6.74
3/4	1.38	1.84	2.30	2.76	3.68	4.60	5.52	6.44	7.36
6	1.50	2.00	2.51	3.01	4.01	5.01	6.01	7.02	8.02
1/ ₄ 1/ ₂	1.63	2.18 2.35	2.72 2.94	3.26 3.53	4.35 4.71	5.44 5.88	6.53 7.06	7.61 8.23	8.70 9.41
3/4	1.90	2.54	3.17	3.81	5.07	6.34	7.61	8.88	10.15
7 1/4	2.05	2.73 2.93	3.41 3.66	4.09 4.39	5.46 5.85	6.82 7.32	8.19 8.78	9.55 10.24	10.91 11.71
1/2	2.35	3.13	3.92	4.70	6.26	7.83	9.40	10.96	12.53
3/4	2.51	3.34	4.18 4.46	5.02 5.35	6.69 7.13	8.36 8.91	10.03	11.71 12.47	13.38 14.26
1/4	2.84	3.79	4.74	5.69	7.13	9.47	11.37	13.27	15.16
1/ ₂ 3/ ₄	3.18	4.02 4.26	5.03 5.33	6.04 6.40	8.05 8.53	10.06 10.66	12.07 12.79	14.08 14.92	16.09 17.05
9	3.38	4.51	5.64	6.77	9.02	11.28	13.53		18.04
1/4	3.57	4.76	5.96	7.15	9.53	11.91	14.29	16.68	19.06
1/ ₂ 3/ ₄	3.77	5.03 5.29	6.28 6.62	7.54 7.94	10.05 10.59	12.56 13.23	15.08 15.88		20.10 21.17
10	4.18	5.57	6.96	8.35	11.14	13.92	16.71		22.27
1/ ₄ 1/ ₂	4.39	5.85 6.14	7.31 7.67	8.78 9.21	11.70 12.28	14.63 15.35	17.55 18.42		23.40 24.56
3/4	4.83	6.44	8.04	9.65	12.87	16.09	19.31		25.74
11 1/4	5.05 5.29	6.74 7.05	8.42 8.81	10.11 10.57	13.48 14.10	16.84 17.62	20.21 21.14		26.95 28.19
1/2	5.52	7.37	9.21	11.05	14.73	18.41	22.09	25.78	29.46
12	5.77 6.01	7.69 8.02	9.61	11.53	15.38 16.04	19.22	23.06		30.75 32.07
1/4	6.27	8.36	10.45	12.53	16.71	20.89	25.07	29.25	33.42
1/ ₂ 3/ ₄	6.53	8.70 9.05	10.88 11.32	13.05 13.58	17.40 18.10	21.75 22.63	26.10 27.16		34.80 36.21
13	7.06	9.41	11.76	14.12	18.82	23.53	28.23		37.64
1/ ₄ 1/ ₂	7.33	9.78 10.15	12.22 12.69	14.66 15.22	19.55 20.30	24.44 25.37	29.33 30.45		39.10 40.59
3/4	7.90	10.53	13.16	15.79	21.06	26.32	31.58	36.85	42.11
14		10.92	13.64	16.37	21.83	27.29	32.74	38.20	
1/ ₄ 1/ ₂		11.31 11.71	14.14 14.64	16.96 17.56	22.62 23.42	28.27 29.27	33.92 35.12	39.58 40.98	
3/4	9.09	12.12	15.14	18.17	24.23	30.29	36.35	42.40	
15 1/ ₄		12.53 12.95	15.66 16.19	18.79 19.43	25.06 25.90	31.32 32.38	37.59 38.85		50.12 51.80
1/2	10.03	13.38	16.72	20.07	26.76	33.45	40.14	46.82	53.51
	10.36 10.69		17.27 17.82	20.72	27.36 28.51	34.53 35.64	41.44		55.25 57.02
1/4	11.03	14.71	18.38	22.06	29.41	36.76	44.11	51.47	58.82
	11.37 11.72		18.95 19.53	22.74 23.44	30.38 31.25	37.90 39.06	45.48 46.87	53.06 54.68	
77	, _	. 0.02			d next p		10.01	3 1.00	J 10

WEIGHTS OF STEEL CIRCLES (Continued)
For Circumferences and Areas of Circles, see Section Q

Diameter		0. 000.		, a.i.a , ii o		,	JOHO!! Q		
In	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
Inches	Thick	Thick	Thick	Thick	Thick	Thick	Thick	Thick	Thick
17	12.07	16.09	20.12	24.14	32.19	40.23	48.28	56.33	64.37
18	13.53	18.04	22.55	27.06	36.08	45.10	54.13	63.15	72.17
19	15.08	20.10	25.13	30.15	40.20	50.25	60.31	70.36	80.41
20	16.70	22.28	27.84	33.41	44.55	55.68	67.82	77.96	89.10
	18.42	24.56	30.70	36.84	49.11	61.39	73.67	85.95	98.23
22	20.21	26.95	33.69	40.43	53.90	67.38	80.86	94.33	108
23	22.09	29.46	36.82	44.19	58.91	73.64	88.37	103	118
24	24.05	32.08	40.10	48.11	64.15	80.18	96.23	112	128
25	26.10	34.81	43.51	52.21	69.61	87.01	104	122	139
26	28.23	37.65	47.06	56.47	75.29	94.11	113	132	151
27	30.44	40.60	50.75	60.89	81.19	101	122	142	162
28	32.74	43.66	54.57	65.49	93.66	109	131	153	175
29	35.12	46.84	58.54	70.25		117	140	164	187
30	37.58	50.12	62.65	75.18	100	125	150	175	200
31	40.13	53.52	66.90	80.27	108	134	161	187	214
31 32	42.76	57.03	71.28	85.53	114	143	171	200	228
33	45.48	60.65	75.81	90.96	121	152	182	212	243
34	48.28	64.38	80.47	96.56	129	161	193	225	257
35	51.16	68.22	86.27	102	136	171	205	239	273
36	54.12	72.17	90.21	108	144	180	217	253	289
37	57.17	76.24	95.30	114	152	191	229	267	303
38	60.30	80.42	101	121	161	201	241	281	322
39	63.52	84.70	106	127	169	212	254	296	339
40	66.82	89.10	11	134	178	223	267	312	356
41	70.20	93.61	117	140	187	234	281	328	374
42	73.67	98.24	123	147	196	246	295	344	393
43	77.21	103	129	154	206	257	309	360	412
44	80.84	108	135	162	216	270	323	377	431
	84.56	113	141	169	226	282	338	395	451
46	88.36	118	147	177	236	295	353	412	471
47	92.25	123	154	185	246	308	369	431	492
48	96.22	128	160	192	257	321	385	449	513
49	100	134	167	201	267	334	401	468	535
50	104	139	174	209	278	348	418	487	557
51	109	145	181	217	290	362	434	507	579
52	113	151	188	226	301	376	452	527	602
53	117	156	196	235	313	391	469	547	626
54 -55	122 126	162	203 211	244 253	325 337	406 421	487	568	650 674
56	131	168 175	218	262	349	437	505 524	590 611	699
57	136	181	226	271	362	452	543	633	724
58	140	187	234	281	375	468	562	656	749
59	145	194	242	291	388	485	582	678	775
60	150 155	200	251 259	301 311	401 414	501 518	601 622	702 725	802 829
62	161	214	268	321	428	535	642	749	856
63	166	221	276	332	442	553	663	774	884
64	171	228	285	342	456	570	684	798	912
65	176	235	294	353	471	588	706	823	941
66	182	243	303	364	485	606	728	849	970
67	187	250	312	375	500	625	750	875	1000
68	193	258	322	386	515	644	772	901	1030

LARGER DIAMETERS

Procedure	Example — 120" Circle, 1" thick
Find weight of a circle one-half the diameter of the circle desired	Weight of 60" Circle 802 Lbs. x4
and multiply by 4.	Weight of 120" Circle 3208 Lbs.

WEIGHT FORMULAS

Steel bar weights are based on .2836 lb. per cubic inch. Aluminum weights are based on .098 lb. per cubic inch, which applies to 1100 alloy. (See next page for conversion factors for other alloys.)

ROUNDS



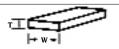
Steel:

Lbs. per lineal foot = $2.6729 \times D^2$ Lbs. per lineal inch = $.22274 \times D^2$

Aluminum:

Lbs. per lineal foot = $.924 \times D^2$ D = Size in inches

FLATS



Steel:

Lbs. per lineal foot = 3.4032 x T x W Lbs. per lineal inch = .2836 x T x W

Aluminum:

Lbs. per lineal foot = 1.18 x T x W

T = Thickness in inches W = Width in inches

SQUARES



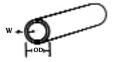
Steel:

Lbs. per lineal foot = $3.4032 \times D^2$ Lbs. per lineal inch = $.2836 \times D^2$

Aluminum:

Lbs. per lineal foot = 1.18 X D² D = Size in inches

TUBING



Steel:

Lbs. per lineal foot = $10.68 \times (OD - W) \times W$ Lbs. per lineal inch = $.89 \times (OD - W) \times W$

Aluminum:

Lbs. per lineal foot = 3.70 x (OD - W) x W
OD = Outside Diameter to 3 decimal places
W = Wall Thickness to 3 decimal places

HEXAGONS



Steel:

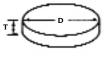
Lbs. per lineal foot = $2.9473 \times D^2$ Lbs. per lineal inch = $.2456 \times D^2$

Aluminum:

Lbs. per lineal foot = $1.02 \times D^2$ D = Size in inches

CIRCLES

Steel:



Wt. of Circle in Lbs. = .22274 x T x D2

Aluminum:

Wt. of Circle in Lbs. = .077 x T x D² D = Diameter in inches T = Thickness in inches

OCTAGONS



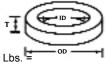
Steel:

Lbs. per lineal foot = $2.8193 \times D^2$ Lbs. per lineal inch = $.23494 \times D^2$

Aluminum:

Lbs. per lineal foot = .974 x D² D = Size in inches

RINGS



Steel:
Wt. of Ring in Lbs.

.22274 x T x (OD²— ID²)

Aluminum:

Wt. of Ring in Lbs. =
.077 x T x (OD² — ID²)
OD = Outside Diameter in inches
ID = Inside Diameter in inches
T = Thickness in inches

WEIGHT CONVERSION FACTORS

To Obtain Weight of	Density (Weight Lbs. per Cubic Inch)	Multiply Weight of Steel by	Density (Weight To Obtain Lbs. per Weight of Cubic Inch)	Multiply Weight of Steel by
Aluminum	0.098	.3462	Gold0.698	2.466
			Tungsten 0.697	2.462
1100 Aluminum	0.098	.3462	Tantalum 0.600	2.120
2011 Aluminum	0.102	.3604	Lead0.410	1.448
			Silver 0.379	1.339
2014 Aluminum	0.101	.3568	Molybdenum 0.369	1.303
			Copper	1.144
2017 Aluminum	0.101	.3568	Nickel	1.137
2024 Aluminum	0.101	.3568	Columbium 0.310	1.095
			Brass	1.084
3003 Aluminum	0.099	.3498	Monel	1.084
5005 Al's	0.000	0.400	Stainless Steels	
5005 Aluminum		.3462	300 Series 0.286	1.010
5052 Aluminum	0.097	.3427	400 Series 0.283	1.000
			Carbon and Alloy	
5056 Aluminum	0.095	.3356	Steels 0.283	1.000
5083 Aluminum	0.096	.3392	Tin0.264	0.932
3003 Aluminum		.5592	Cast Iron 0.258	0.911
5086 Aluminum	0.096	.3392	Zirconium 0.230	0.812
			Titanium Com'l Pure .0.163	0.575
6061 Aluminum	0.098	.3462	Titanium 3AL 21/2 V0.162	0.572
6063 Aluminum	0.097	.3427	Beryllium 0.067	0.236
0000 / ((a))		.0421	Magnesium0.065	0.229
7075 Aluminum	0.101	.3568	Gray Iron	0.919
			Ductile Iron 0.255	0.901
7178 Aluminum	0.102	.3604		

MILLIMETERS CONVERTED TO DECIMAL AND FRACTIONAL INCHES

		DECIM	YE / YI 11	J 1 10 1C 1	IONAL	IIICIIL		
Milli- meters	Decimal Inches	Fractional Inches (to nearest 64th)	Milli- meters	Decimal Inches	Fractional Inches (to nearest 64th)	Milli- meters	Decimal Inches	Fractional Inches (to nearest 64th)
1	.0394	3/64	34	1.339	111/32	67	2.638	241/64
2	.0787	5/64	35	1.378	13/8	68	2.677	2 ⁴³ / ₆₄
3	.1181	1/8	36	1.417	127/64	69	2.717	2 ²³ / ₃₂
4	.1575	5/32	37	1.457	129/64	70	2.756	23/4
5	.1969	13/64	38	1.496	11/2	71	2.795	2 ⁵¹ / ₆₄
6	.2362	15/64	39	1.535	1 ¹⁷ /32	72	2.835	2 ⁵³ / ₆₄
7	.2756	9/32	40	1.575	1 ³⁷ / ₆₄	73	2.874	2 ⁷ /8
8	.3150	5/16	41	1.614	139/64	74	2.913	229/32
9	.3543	23/64	42	1.654	121/32	75	2.953	2 ⁶¹ / ₆₄
10	.3937	25/64	43	1.693	111/16	76	2.992	263/64
11	.4331	⁻⁹⁶⁴ 7/16	43	1.732	147/64	1	3.031	31/32
	.4724	15/32			149/64	77		
12	.4724	1932	45	1.772	1 1964	78	3.071	35/64
13	.5118	33/64	46	1.811	1 ¹³ / ₁₆	79	3.110	37/64
14	.5512	35/64	47	1.850	1 ²⁷ /32	80	3.150	3 5/32
15	.5906	19/32	48	1.890	1 ⁵⁷ /64	81	3.189	33/16
16	.6299	5/8	49	1.929	1 ⁵⁹ / ₆₄	82	3.228	315/64
17	.6693	43/64	50	1.969	131/32	83	3.268	317/64
18	.7087	45/64	51	2.008	21/64	84	3.307	3 5/16
		3/4	-	2.047	23/24	0.5	2 246	311/32
19	.7480	25/32	52 52	2.047	23/64	85	3.346	
20	.7874		53	2.087	23/32	86	3.386	325/64
21	.8268	53/64	54	2.126	21/8	87	3.425	327/64
22	.8661	55/64	55	2.165	211/64	88	3.465	315/32
23	.9055	29/32	56	2.205	2 ¹³ / ₆₄	89	3.504	31/2
24	.9449	15/16	57	2.244	2 ¹ / ₄	90	3.543	3 ³⁵ /64
25	.9843	63/64	58	2.283	2 9/32	91	3.583	337/64
26	1.024	1 ¹ /32	59	2.323	2 ²¹ / ₆₄	92	3.622	35/8
27	1.063	1 ¹ / ₁₆	60	2.362	223/64	93	3.661	321/32
28	1.102	1 ⁷ /64	61	2.402	213/32	94	3.701	3 ⁴⁵ /64
28 29	1.102	19/64		2.402	2 ⁷ /16	1		
		13/16	62		2 ³ 1/64	95	3.740	3 ⁴⁷ / ₆₄
30	1.181		63	2.480		96	3.780	3 ²⁵ / ₃₂
31	1.220	1 ⁷ /32	64	2.520	2 ³³ / ₆₄	97 98	3.819 3.858	3 ¹³ / ₁₆ 3 ⁵⁵ / ₆₄
32	1.260	1 ¹⁷ /64	65	2.559	29/16	99	3.898	3 ⁵⁷ / ₆₄
33	1.299	1 ¹⁹ /64	66	2.598	2 ¹⁹ / ₃₂	100	3.937	3 ¹⁵ / ₁₆
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For all your metal needs... Call EMJ First! (800) 3EMJ-EMJ

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