

WEIGHTS AND AREAS
Square and Round Mild Steel Bars

SIZE AND WEIGHTS
of PIPE

Based on 489.6 Pounds per Cubic Foot					Standard Weight Pipe				
Size or Diameter Inches	SQUARE		ROUND		DIMENSION, INCHES				Weight Pounds Lineal Foot
	Weight Pounds Lineal Foot	Area Square Inches	Weight Pounds Lineal Foot	Area Square Inches	Size	External	Internal	Thickness	
1/16	0.013	0.0039	0.01	0.0031	1/8	0.405	0.269	0.068	0.244
5/64	0.021	0.0061	0.016	0.0048	1/4	0.54	0.364	0.088	0.424
3/32	0.03	0.0088	0.023	0.0069	3/8	0.675	0.493	0.091	0.567
7/64	0.041	0.012	0.032	0.0094	1/2	0.84	0.622	0.109	0.85
1/8	0.053	0.0156	0.042	0.0123	3/4	1.05	0.824	0.113	1.13
9/64	0.067	0.0198	0.053	0.0155	1	1.315	1.049	0.133	1.678
5/32	0.083	0.0244	0.065	0.0192	1-1/4	1.66	1.38	0.14	2.272
11/64	0.1	0.0295	0.079	0.0232	1-1/2	1.9	1.61	0.145	2.717
3/16	0.12	0.0352	0.094	0.0276	2	2.375	2.067	0.154	3.652
13/64	0.14	0.0413	0.11	0.0324	2-1/2	2.875	2.469	0.203	5.793
7/32	0.163	0.0479	0.128	0.0376	3	3.5	3.068	0.216	7.575
15/64	0.187	0.0549	0.147	0.0431	3-1/2	4	3.548	0.226	9.109
1/4	0.213	0.0625	0.167	0.0491	4	4.5	4.028	0.237	10.79
17/64	0.24	0.0706	0.188	0.0554	5	5.563	5.047	0.258	14.617
9/32	0.269	0.0791	0.211	0.0621	6	6.625	6.065	0.28	18.974
19/64	0.3	0.0881	0.235	0.0692	7	8.625	8.071	0.277	24.696
5/16	0.332	0.0977	0.261	0.0767	8	8.625	7.981	0.322	28.554
21/64	0.366	0.1077	0.288	0.0846	8	10.75	10.192	0.279	31.201
11/32	0.402	0.1182	0.316	0.0928	10	10.75	10.136	0.307	34.24
23/64	0.439	0.1292	0.345	0.1014	10	10.75	10.02	0.365	40.483
3/8	0.478	0.1406	0.376	0.1104	12	12.75	12.09	0.33	43.773
25/64	0.519	0.1526	0.407	0.1198	12	12.75	12	0.375	49.562
13/32	0.561	0.165	0.441	0.1296	Extra Strong Pipe				
27/64	0.605	0.178	0.475	0.1398	1/8	0.405	0.215	0.095	0.314
7/16	0.651	0.1914	0.511	0.1503	1/4	0.54	0.302	0.119	0.535
29/64	0.698	0.2053	0.548	0.1613	3/8	0.675	0.423	0.126	0.738
15/32	0.747	0.2197	0.587	0.1726	1/2	0.84	0.546	0.147	1.087
31/64	0.798	0.2346	0.627	0.1843	3/4	1.05	0.742	0.154	1.473
1/2	0.85	0.25	0.668	0.1964	1	1.315	0.947	0.179	2.171
33/64	0.904	0.2659	0.71	0.2088	1-1/4	1.66	1.278	0.191	2.996
17/32	0.96	0.2822	0.754	0.2217	1-1/2	1.9	1.5	0.2	3.631
35/64	1.017	0.2991	0.799	0.2349	2	2.375	1.939	0.218	5.022
9/16	1.076	0.3164	0.845	0.2485	2-1/2	2.875	2.323	0.276	7.661
37/64	1.136	0.3342	0.893	0.2625	3	3.5	2.9	0.3	10.252
19/32	1.199	0.3525	0.941	0.2769	3-1/2	4	3.364	0.318	12.505
39/64	1.263	0.3713	0.992	0.2916	4	4.5	3.826	0.337	14.983
5/8	1.328	0.3906	1.043	0.3068	5	5.563	4.813	0.375	20.778
41/64	1.395	0.4104	1.096	0.3223	6	6.625	5.761	0.432	28.573
21/32	1.464	0.4307	1.15	0.3382	8	8.625	7.625	0.5	43.388
43/64	1.535	0.4514	1.205	0.3545	10	10.75	9.75	0.5	54.735
11/16	1.607	0.4727	1.262	0.3712	12	12.75	11.75	0.5	65.415
45/64	1.681	0.4944	1.32	0.3883	Double Extra Strong Pipe				
23/32	1.756	0.5166	1.38	0.4057	1/2	0.84	0.252	0.294	1.714
47/64	1.834	0.5393	1.44	0.4236	3/4	1.05	0.434	0.308	2.44
3/4	1.913	0.5625	1.502	0.4418	1	1.315	0.599	0.358	3.659
49/64	1.993	0.5862	1.565	0.4604	1-1/4	1.66	0.896	0.382	5.214
25/32	2.075	0.6104	1.63	0.4794	1-1/2	1.9	1.1	0.4	6.408
51/64	2.159	0.635	1.696	0.4987	2	2.375	1.503	0.436	9.029
13/16	2.245	0.6602	1.763	0.5185	2-1/2	2.875	1.771	0.552	13.695
53/64	2.332	0.6858	1.831	0.5386	3	3.5	2.3	0.6	18.583
27/32	2.421	0.7119	1.901	0.5591	3-1/2	4	2.728	0.636	22.85
55/64	2.511	0.7385	1.972	0.58	4	4.5	3.152	0.674	27.541
7/8	2.603	0.7656	2.044	0.6013	5	5.563	4.063	0.75	38.552
57/64	2.697	0.7932	2.118	0.623	6	6.625	4.897	0.864	53.16
29/32	2.792	0.8213	2.193	0.645	8	8.625	6.875	0.875	72.424
59/64	2.89	0.8499	2.269	0.6675	Doubling the diameter of the pipe increases its capacity four times, tripling diameter increases area nine times.				
15/16	2.988	0.8789	2.347	0.6903					
61/64	3.089	0.9084	2.426	0.7135					
31/32	3.191	0.9385	2.506	0.7371					
63/64	3.295	0.969	2.588	0.761					
1	3.4	1	2.67	0.7854					
1-1/8	4.303	1.2656	3.38	0.994					
1-3/16	4.795	1.4102	3.766	1.1075					
1-1/4	5.313	1.5625	4.172	1.2272					
1-5/16	5.857	1.7227	4.6	1.353					
1-3/8	6.428	1.8906	5.049	1.4849					

1-7/16	7.026	2.0664	5.518	1.623
1-1/2	7.65	2.25	6.008	1.7672
1-9/16	8.301	2.4414	6.519	1.9175
1-5/8	8.978	2.6406	7.051	2.0739
1-3/4	10.413	3.0625	8.178	2.4053
1-7/8	11.953	3.5156	9.388	2.7612
2	13.6	4	10.681	3.1416