



TUBULAR STEEL INC.

Nominal Weights and Thicknesses for Round Mechanical Tube

Tube Size		22ga	20ga	19ga	18ga	17ga	16ga	15ga	14ga
	Millimeter	0.71	0.89	1.07	1.24	1.47	1.65	1.83	2.11
Millimeter	Inch	0.028	0.035	0.042	0.049	0.058	0.065	0.072	0.083
8.00 mm	0.315	0.086	0.105	0.123	0.139	0.160	0.174	0.187	0.206
9.00 mm	0.354	0.098	0.119	0.140	0.160	0.184	0.201	0.217	0.241
9.50 mm	0.375	0.104	0.127	0.150	0.171	0.197	0.216	0.233	0.259
10.00 mm	0.394	0.110	0.134	0.158	0.181	0.209	0.229	0.248	0.276
11.00 mm	0.438	0.123	0.151	0.178	0.204	0.236	0.259	0.282	0.315
11.30 mm	0.445	0.125	0.154	0.181	0.208	0.240	0.264	0.287	0.322
11.51 mm	0.453	0.127	0.157	0.185	0.212	0.245	0.270	0.294	0.329
12.00 mm	0.472	0.133	0.164	0.193	0.222	0.257	0.283	0.308	0.346
12.70 mm	0.500	0.141	0.174	0.206	0.236	0.274	0.303	0.330	0.370
13.50 mm	0.531	0.151	0.186	0.220	0.253	0.294	0.324	0.354	0.398
13.82 mm	0.544	0.155	0.191	0.226	0.260	0.302	0.333	0.364	0.409
14.00 mm	0.551	0.157	0.193	0.229	0.263	0.306	0.338	0.369	0.416
14.30 mm	0.563	0.160	0.198	0.234	0.270	0.313	0.346	0.378	0.426
15.00 mm	0.591	0.169	0.208	0.247	0.284	0.331	0.366	0.400	0.451
15.87 mm	0.625	0.179	0.221	0.262	0.302	0.352	0.390	0.426	0.481
16.00 mm	0.63	0.180	0.223	0.264	0.305	0.355	0.393	0.430	0.486
18.00 mm	0.709	0.204	0.252	0.300	0.346	0.404	0.448	0.491	0.556
19.05 mm	0.750	0.216	0.268	0.318	0.368	0.430	0.476	0.522	0.592
20.65 mm	0.813	0.235	0.291	0.347	0.401	0.469	0.520	0.571	0.648
21.25 mm	0.837	0.242	0.300	0.357	0.413	0.483	0.537	0.589	0.670
22.00 mm	0.866	0.251	0.311	0.370	0.428	0.501	0.557	0.612	0.695
22.23 mm	0.875	0.254	0.315	0.374	0.433	0.507	0.563	0.619	0.703
24.10 mm	0.949	0.276	0.342	0.408	0.472	0.553	0.615	0.676	0.769
25.00 mm	0.984	0.286	0.355	0.423	0.490	0.575	0.639	0.703	0.800
25.40 mm	1.000	0.291	0.361	0.431	0.499	0.585	0.650	0.715	0.814
26.00 mm	1.024	0.298	0.370	0.441	0.511	0.600	0.667	0.733	0.836



Nominal Weights and Thicknesses for Square, Rectangular, and Oval Mechanical Tube

Tube Size			20ga	19ga	18ga	17ga	16ga	15ga	14ga	13ga	12ga	11ga
		Millimeters	0.89	1.07	1.24	1.47	1.65	1.83	2.11	2.41	2.77	3.05
Millimeters	Inch	Shape	0.035	0.042	0.049	0.058	0.065	0.072	0.083	0.095	0.109	0.120
15.88 x 15.88 mm	0.625 x 0.625	SQUARE	0.275	0.323	0.373	0.427	0.475	0.512	0.583	0.641		
19.05 x 19.05 mm	0.750 x 0.750	SQUARE	0.335	0.394	0.457	0.525	0.585	0.635	0.724	0.802		
21.00 x 21.00 mm	0.827 x 0.827	SQUARE	0.371	0.438	0.508	0.586	0.654	0.711	0.811	0.902	0.988	1.070
30.00 x 30.00 mm	0.865 x 0.865	SQUARE	0.390	0.460	0.534	0.616	0.687	0.748	0.854	0.951	1.045	1.132
22.22 x 22.22 mm	0.875 x 0.875	SQUARE	0.394	0.466	0.540	0.624	0.696	0.758	0.866	0.964	1.059	1.148
25.00 x 25.00 mm	0.984 x 0.984	SQUARE	0.446	0.528	0.613	0.710	0.793	0.865	0.989	1.105	1.221	1.327
25.40 x 25.40 mm	1.000 x 1.000	SQUARE	0.454	0.537	0.624	0.723	0.807	0.880	1.007	1.126	1.245	1.353
28.58 x 28.58 mm	1.125 x 1.125	SQUARE	0.514	0.609	0.707	0.822	0.918	1.003	1.148	1.288	1.431	1.557
31.75 x 31.75 mm	1.250 x 1.250	SQUARE	0.573	0.680	0.791	0.921	1.028	1.126	1.290	1.450	1.617	1.762
38.10 x 38.10 mm	1.500 x 1.500	SQUARE	0.693	0.824	0.958	1.118	1.250	1.371	1.573	1.774	1.988	2.171
40.20 x 40.20 mm	1.583 x 1.583	SQUARE	0.732	0.871	1.013	1.184	1.323	1.453	1.667	1.881	2.111	2.307
44.45 x 44.45 mm	1.750 x 1.750	SQUARE	0.812	0.967	1.125	1.316	1.471	1.616	1.856	2.097	2.360	2.580
50.80 x 50.80 mm	2.000 x 2.000	SQUARE	0.931	1.110	1.292	1.514	1.693	1.862	2.139	2.421	2.731	2.989
12.70 x 25.40 mm	0.500 x 1.000	RECTANGLE	0.335	0.394	0.457	0.525	0.585	0.635	0.724	0.802		
16.00 x 28.00 mm	0.630 x 1.102	RECTANGLE	0.390	0.461	0.534	0.617	0.688	0.749	0.855	0.953	1.046	1.134
14.00 x 32.00 mm	0.551 x 1.260	RECTANGLE	0.409	0.483	0.561	0.648	0.723	0.788	0.900	1.004	1.105	1.198
22.22 x 25.40 mm	0.875 x 1.000	RECTANGLE	0.424	0.501	0.582	0.674	0.751	0.819	0.936	1.045	1.152	1.251
18.00 x 38.10 mm	0.710 x 1.500	RECTANGLE	0.504	0.597	0.694	0.806	0.900	0.983	1.126	1.262	1.401	1.525
25.40 x 38.10 mm	1.000 x 1.500	RECTANGLE	0.573	0.680	0.791	0.921	1.028	1.126	1.290	1.450	1.617	1.762
25.40 x 50.80 mm	1.000 x 2.000	RECTANGLE	0.693	0.824	0.958	1.118	1.250	1.371	1.573	1.774	1.988	2.171
30.00 x 50.00 mm	1.181 x 1.969	RECTANGLE	0.728	0.866	1.008	1.178	1.316	1.445	1.658	1.871	2.099	2.293
40.40 x 45.40 mm	1.591 x 1.787	RECTANGLE	0.783	0.932	1.084	1.268	1.417	1.557	1.787	2.018	2.269	2.480
38.10 x 50.80 mm	1.500 x 2.000	RECTANGLE	0.812	0.967	1.125	1.316	1.471	1.616	1.856	2.097	2.360	2.580
43.40 x 48.40 mm	1.709 x 1.906	RECTANGLE	0.839	1.000	1.163	1.362	1.522	1.673	1.921	2.172	2.445	2.674
7.90 x 11.40 mm	0.311 x 0.449	OVAL	0.136	0.160	0.183	0.212	0.232	0.252	0.281	0.309		
11.13 x 28.58 mm	0.438 x 1.125	OVAL	0.315	0.375	0.433	0.507	0.564	0.619	0.704	0.794		
12.00 x 34.00 mm	0.472 x 1.339	OVAL	0.371	0.441	0.511	0.600	0.667	0.734	0.836	0.945		
19.05 x 39.00 mm	0.750 x 1.535	OVAL	0.455	0.543	0.630	0.740	0.824	0.908	1.037	1.174	1.331	1.451
15.88 x 42.10 mm	0.625 x 1.657	OVAL	0.467	0.557	0.647	0.760	0.847	0.933	1.065	1.207	1.369	1.493
29.00 x 54.00 mm	1.142 x 2.126	OVAL	0.649	0.776	0.902	1.062	1.185	1.307	1.497	1.702	1.936	2.117
19.05 x 31.75 mm	0.750 x 1.250	ELLIPTICAL	0.361	0.431	0.499	0.585	0.650	0.715	0.814	0.920	1.039	1.130

Note: For sizes not listed and custom shapes please consult your Tubular Steel Inc. sales contact.
Nominal weights are in lb/ft.

27.00 mm	1.063	0.310	0.385	0.459	0.532	0.624	0.694	0.764	0.870
28.00 mm	1.102	0.322	0.400	0.476	0.552	0.648	0.721	0.794	0.905
28.57 mm	1.125	0.329	0.408	0.487	0.564	0.662	0.737	0.811	0.925
30.00 mm	1.181	0.345	0.429	0.512	0.594	0.697	0.776	0.854	0.975
31.00 mm	1.220	0.357	0.444	0.529	0.614	0.721	0.803	0.885	1.010
31.75 mm	1.250	0.366	0.455	0.543	0.630	0.740	0.824	0.908	1.037
34.00 mm	1.339	0.393	0.488	0.583	0.676	0.795	0.886	0.976	1.116
34.92 mm	1.375	0.404	0.502	0.599	0.695	0.817	0.911	1.004	1.148
38.10 mm	1.500	0.441	0.549	0.655	0.761	0.895	0.998	1.100	1.259
40.00 mm	1.575	0.464	0.577	0.689	0.800	0.942	1.050	1.158	1.325
42.70 mm	1.681	0.495	0.616	0.737	0.856	1.007	1.124	1.240	1.419
44.45 mm	1.750	0.516	0.642	0.768	0.892	1.050	1.172	1.293	1.481
45.00 mm	1.772	0.523	0.651	0.778	0.903	1.064	1.187	1.310	1.500
46.00 mm	1.811	0.534	0.665	0.795	0.924	1.088	1.214	1.340	1.535
48.26 mm	1.900	0.561	0.699	0.835	0.971	1.143	1.276	1.408	1.614
50.80 mm	2.000	0.591	0.736	0.880	1.023	1.205	1.346	1.485	1.703
57.15 mm	2.250	0.666	0.830	0.992	1.154	1.360	1.520	1.678	1.925
60.50 mm	2.382	0.705	0.879	1.052	1.223	1.442	1.612	1.780	2.042
63.50 mm	2.500	0.741	0.923	1.105	1.285	1.516	1.694	1.871	2.147
69.85 mm	2.750	0.816	1.017	1.217	1.416	1.671	1.868	2.063	2.369
75.00 mm	2.953	0.876	1.093	1.308	1.523	1.797	2.009	2.220	2.549

Note: For sizes not listed please consult your Tubular Steel Inc. sales contact.
Nominal weights are in lb/ft.

13ga	12ga	11ga
2.41	2.77	3.05
0.095	0.109	0.120
0.349		
0.356		
0.364		
0.383		
0.412		
0.443	0.492	
0.456		
0.464		
0.476	0.530	
0.504	0.562	
0.539	0.602	
0.544		
0.624		
0.666	0.748	0.809
0.730	0.821	
0.754		
0.784		
0.793	0.893	
0.868		
0.904	1.021	1.109
0.920	1.039	1.130
0.944	1.067	1.161

0.984	1.113	1.211
1.024	1.158	1.261
1.047	1.185	1.291
1.104	1.250	1.362
1.144	1.296	1.413
1.174	1.331	1.451
1.265	1.435	1.565
1.301	1.477	1.612
1.428	1.622	1.772
1.505	1.710	1.868
1.612	1.834	2.005
1.682	1.914	2.093
1.705	1.940	2.121
1.744	1.985	2.171
1.835	2.089	2.286
1.937	2.206	2.414
2.191	2.497	2.735
2.325	2.651	2.905
2.445	2.789	3.056
2.699	3.081	3.377
2.905	3.317	3.638