

Bull Moose Tube is a leading producer of Mechanical Tube and Pipe and Hollow Structural Sections.

Bull Moose Tube produces As-Welded Mechanical tubing to meet ASTM specification A 513. Mechanical tubing is available in hot-rolled, hotrolled pickled & oiled, cold-rolled matte and cold-rolled plating quality finishes, and coated steels, including Galvanized and Galvalume. In addition, high-strength, low-alloy (HSLA) grades are available.

The enclosed size charts are representative of Bull Moose Tube Limited's capabilities. Other sizes and gauges are within Bull Moose Tube's capabilities and we welcome inquiries. Certain sizes are produced only at certain locations. For inquiries or additional information or inquiries, please contact your sales representative today at (800) 882-4666 in Canada, from the US call (800) 325-4467 or (636) 537-2600, or from Mexico call (636) 537-2600.

The weight per foot contained in the size charts are based on the theoretical weight per foot calculations generally used in the industry. Actual weight may vary based on actual steel gauge and dimensions in accordance with ASTM specifications.

MECHANICAL SIZE CHART - RECTANGLES

SIZE	20 GA 0.035	19 GA 0.042	18 GA 0.049	17 GA 0.058	16 GA 0.065	15 GA 0.072	14 GA 0.083	13 GA 0.095	12 GA 0.109	11 GA 0.120	10 GA 0.134
1/2 x 3/4	0.281	0.333	0.384	0.447	0.495	0.541					
1/2 x 1	0.340	0.404	0.467	0.546	0.606	0.664					
1/2 x 1-1/4	0.400	0.476	0.550	0.644	0.716	0.786					
1/2 x 1-1/2	0.459	0.547	0.634	0.743	0.827	0.909					
5/8 x 1	0.370	0.440	0.509	0.595	0.661	0.725					
5/8 x 1-1/8	0.400	0.476	0.550	0.644	0.716	0.786					
5/8 x 1-1/4	0.430	0.512	0.592	0.694	0.771	0.847					
3/4 x 1	0.400	0.476	0.550	0.644	0.716	0.786					
3/4 x 1-1/4	0.459	0.547	0.634	0.743	0.827	0.909					
3/4 x 1-1/2	0.519	0.619	0.717	0.842	0.937	1.031	1.176				
3/4 x 1-3/4	0.578	0.690	0.800	0.940	1.048	1.153	1.317				
3/4 x 2	0.638	0.761	0.884	1.039	1.158	1.276	1.458				
1 x 1-1/4	0.519	0.619	0.717	0.842	0.937	1.031	1.176	1.331	1.506		
1 x 1-1/2	0.578	0.690	0.800	0.940	1.048	1.153	1.317	1.492	1.691	1.844	
1 x 1-3/4			0.884	1.039	1.158	1.276	1.458	1.654	1.877	2.048	
1 x 2			0.967	1.137	1.269	1.398	1.600	1.815	2.062	2.252	
1 x 2-1/2			1.134	1.335	1.490	1.643	1.882	2.138	2.433		
1 x 3			1.300	1.532	1.711	1.888	2.164	2.461	2.803		
1.181 x 2.362			1.148	1.352	1.509	1.664	1.906	2.166	2.464	2.695	2.984
1-1/4 x 1-3/4			0.967	1.137	1.269	1.398	1.600	1.815	2.062	2.252	
1-1/4 x 3					1.379	1.521	1.741	1.977	2.247	2.456	
1-1/4 x 3-1/8					1.832	2.023	2.319	2.639	3.007	3.293	
1-3/8 x 2-3/4					1.766	1.949	2.234	2.542	2.896	3.170	
1-1/2 x 2			1.134	1.335	1.490	1.643	1.882	2.138	2.433	2.660	
1-1/2 x 2-1/2			1.300	1.532	1.711	1.888	2.164	2.461	2.803	3.068	
1-1/2 x 3			1.467	1.729	1.932	2.133	2.446	2.784	3.174	3.476	
1.575 x 1.969			1.148	1.352	1.509	1.665	1.907	2.167	2.465	2.696	
1.575 x 2.362			1.279	1.507	1.683	1.857	2.128	2.421	2.757	3.017	
1-3/4 x 2-1/2					1.821	2.010	2.305	2.623	2.989	3.272	
2 x 2-1/2					1.932	2.133	2.446	2.784	3.174	3.476	
2 x 3					2.153	2.377	2.728	3.107	3.544	3.884	4.312
2 x 4					2.595	2.867	3.293	3.753	4.286	4.700	5.223

STRUCTURAL (HSS) SHAPES

SIZE	0.100	0.125	0.134
1 x 1	1.140	1.350	1.420
1-1/4 x 1-1/4	1.480	1.780	1.880
1 x 1-1/2	1.480	1.780	1.880
1-1/2 x 1-1/2	1.820	2.200	2.330
1 x 2	1.820	2.200	2.330
1-3/4 x 1-3/4	2.160	2.630	
1-1/2 x 2	2.160	2.620	2.780
2 x 2	2.500	3.050	3.240
1 x 3	2.500	3.050	3.240
1-1/2 x 2-1/2	2.500	3.050	3.240
2-1/8 x 2-1/8	2.670	3.260	3.470
1-1/2 x 3	2.840	3.480	3.700
2-1/2 x 2-1/2	3.180	3.900	4.150
2 x 3	3.180	3.900	4.150
2-1/2 x 3	3.520	4.320	4.610
3 x 3	3.860	4.750	5.070
2-1/2 x 3-1/2	3.860	4.750	5.070
2 x 4	3.860	4.750	5.070

STRUCTURAL (HSS) ROUNDS

O.D.	0.100	0.125	0.134	0.150	0.180
1.050	1.015	1.235	1.311		
1.315	1.298	1.589	1.690		
1.660	1.666	2.049	2.184		
1.690	1.698	2.089	2.227		
1.900	1.920	2.370	2.527	2.804	
2.375	2.430	3.004	3.207	3.564	
2.875	2.960	3.670	3.920	4.360	
3.000	3.097	3.838	4.100	4.566	5.420
3.500	3.630	4.506	4.817	5.367	6.380

Bull Moose Tube produces Hollow Structural Sections (HSS) to meet ASTM specification A 500. In addition, Bull Moose Tube can roll 80 ksi steel and for certain sizes and gauges, 100 ksi and 110 ksi steel. A full range of HSS sizes and gauges are also available from our Elkhart, Indiana Facility where structural tubing is produced using the Direct Form Method. This method allows Bull Moose Tube to produce deep rectangles rarely manufactured in 2 x 4 the industry as well as hard metrics.

MECHANICAL SIZE CHART - ROUNDS

O.D.	Fraction	20 GA 0.035	19 GA 0.042	18 GA 0.049	17 GA 0.058	16 GA 0.065	15 GA 0.072	14 GA 0.083	13 GA 0.095	12 GA 0.109	11 GA 0.120	10 GA 0.134	9 GA 0.148	8 GA 0.165	7 GA 0.180	SCH 40
0.625	5/8	0.221	0.262	0.301	0.351	0.389	0.425	0.480								
0.706		0.251	0.298	0.344	0.401	0.445										
0.750	3/4	0.267	0.318	0.367	0.429	0.476	0.521	0.591	0.665							
0.787		0.281	0.334	0.386	0.452	0.501	0.550	0.624								
0.812	13/16	0.290	0.345	0.399	0.467	0.519	0.569	0.646								
0.840		0.301	0.358	0.414	0.484	0.538	0.591	0.671	0.756	0.851						
0.875	7/8	0.314	0.374	0.432	0.506	0.562	0.617	0.702	0.791							
0.922		0.332	0.395	0.457	0.535	0.595	0.654	0.744	0.839	0.946	1.028					
0.955		0.344	0.410	0.474	0.556	0.618	0.679	0.773	0.873	0.985	1.070					
0.995		0.359	0.427	0.495	0.580	0.646	0.710	0.808	0.913	1.031	1.121					
1.000	1	0.361	0.430	0.498	0.584	0.649	0.714	0.813	0.918	1.037	1.128					
1.050		0.379	0.452	0.524	0.614	0.684	0.752	0.857	0.969	1.095	1.192					
1.063		0.384	0.458	0.531	0.623	0.693	0.762	0.869	0.982	1.111	1.209					
1.125	1-1/8	0.407	0.486	0.563	0.661	0.736	0.810	0.924	1.045	1.183	1.288	1.418				
1.163		0.422	0.503	0.583	0.684	0.762	0.839	0.957	1.084	1.227	1.337	1.473				
1.250	1-1/4	0.454	0.542	0.629	0.738	0.823	0.906	1.034	1.172	1.328	1.448	1.597	1.742			
1.312	1-5/16	0.477	0.570	0.661	0.777	0.866	0.954	1.089	1.235	1.400	1.528	1.686	1.840			
1.375	1-3/8	0.501	0.598	0.694	0.816	0.909	1.002	1.145	1.299	1.474	1.608	1.776	1.939			
1.500	1-1/2	0.548	0.654	0.759	0.893	0.996	1.098	1.256	1.426	1.619	1.769	1.955	2.137			
1.562	1-9/16	0.571	0.682	0.792	0.932	1.039	1.146	1.311	1.488	1.691	1.848	2.044	2.235			
1.625	1-5/8	0.594	0.710	0.825	0.971	1.083	1.194	1.367	1.552	1.765	1.929	2.134	2.335			
1.660		0.607	0.726	0.843	0.992	1.107	1.221	1.398	1.588	1.806	1.974	2.184	2.390			2.373
1.690		0.619	0.739	0.859	1.011	1.128	1.244	1.425	1.618	1.840	2.012	2.227	2.437			
1.750	1-3/4	0.641	0.766	0.890	1.048	1.170	1.290	1.478	1.679	1.910	2.089	2.313	2.532			
1.875	1-7/8	0.688	0.822	0.956	1.126	1.257	1.386	1.589	1.806	2.056	2.249	2.492	2.730			
1.900		0.697	0.833	0.969	1.141	1.274	1.406	1.611	1.831	2.085	2.281	2.527	2.769			2.718
2.000	2	0.735	0.878	1.021	1.203	1.343	1.483	1.699	1.933	2.201	2.409	2.670	2.927			
2.125	2-1/8			1.086	1.280	1.430	1.579	1.810	2.060	2.347	2.570	2.849	3.125			
2.250	2-1/4			1.152	1.358	1.517	1.675	1.921	2.186	2.492	2.730	3.028	3.323			
2.375	2-3/8			1.217	1.435	1.604	1.771	2.032	2.313	2.638	2.890	3.207	3.520			
2.500	2-1/2			1.253	1.513	1.690	1.867	2.143	2.440	2.783	3.050	3.386	3.718			
2.750	2-3/4			1.413	1.668	1.864	2.059	2.364	2.694	3.074	3.371	3.744	4.113			
2.875	2-7/8			1.479	1.745	1.951	2.155	2.475	2.821	3.220	3.531	3.923				
3.000	3			1.544	1.822	2.037	2.252	2.586	2.947	3.365	3.691	4.102	4.508			
3.500	3-1/2					2.385	2.636	3.029	3.455	3.948	4.332	4.817	5.298			
4.000	4					2.732	3.020	3.472	3.962	4.530	4.973	5.533	6.089	6.758	7.344	

MECHANICAL SIZE CHART - SQUARES

Size	20 GA 0.035	19 GA 0.042	18 GA 0.049	17 GA 0.058	16 GA 0.065	15 GA 0.072	14 GA 0.083	13 GA 0.095	12 GA 0.109	11 GA 0.120	10 GA 0.134	9 GA 0.148	8 GA 0.165	7 GA 0.180
1/2 x 1/2			0.301	0.349	0.385									
5/8 x 5/8	0.281	0.333	0.384	0.447	0.495									
3/4 x 3/4	0.340	0.404	0.467	0.546	0.606	0.664	0.753							
7/8 x 7/8	0.400	0.476	0.550	0.644	0.716	0.786	0.894	1.008	1.136					
1 x 1	0.459	0.547	0.634	0.743	0.827	0.909	1.035	1.169	1.321	1.436				
1-1/8 x 1-1/8	0.519	0.619	0.717	0.842	0.937	1.031	1.176	1.331	1.506	1.640				
1-1/4 x 1-1/4			0.800	0.940	1.048	1.153	1.317	1.492	1.691	1.844	2.034			
1-1/2 x 1-1/2			0.967	1.137	1.269	1.398	1.600	1.815	2.062	2.252				
1-3/4 x 1-3/4			1.134	1.335	1.490	1.643	1.882	2.138	2.433	2.660	2.945			
2 x 2			1.300	1.532	1.711	1.888	2.164	2.461	2.803	3.068	3.401			
2-1/8 x 2-1/8			1.383	1.630	1.821	2.010	2.305	2.623	2.989	3.272	3.628			
2.170 x 2.170			1.413	1.666	1.861	2.054	2.356	2.681	3.055	3.346				
2-3/8 x 2-3/8			1.550	1.828	2.042	2.255	2.587	2.9436	3.359	3.680	4.084			
2-1/2 x 2-1/2			1.633	1.926	2.153	2.377	2.728	3.107	3.544	3.884	4.312			
2.820 x 2.820			1.847	2.179	2.435	2.691	3.090	3.521	4.019	4.406	4.895	5.378		
3 x 3			1.967	2.321	2.595	2.867	3.293	3.753	4.286	4.700	5.223	5.741		