

Member	Thickness in	Area in ²	Weight lb/ft	Gross properties					33 ksi effective properties				50 ksi effective properties				Torsional properties				
				I _x in ⁴	S _x in ³	R _x in	I _y in ⁴	R _y in	I _x in ⁴	S _x in ³	Ma in-k	Va lb	I _x in ⁴	S _x in ³	Ma in-k	Va lb	Jx1000 in ⁴	Cw in ⁶	Xo in	Ro in	Beta
600S137-33	0.0346	0.318	1.08	1.582	0.527	2.229	0.069	0.464	1.548	0.455	8.98	638	1.526	0.387	11.59	638	0.127	0.493	-0.823	2.421	0.884
600S137-43	0.0451	0.413	1.41	2.042	0.681	2.223	0.087	0.459	2.041	0.645	12.74	1416	2.011	0.582	17.42	1416	0.280	0.625	-0.813	2.411	0.886
600S137-54	0.0566	0.514	1.75	2.518	0.839	2.213	0.105	0.452	2.518	0.832	16.44	2739	2.518	0.777	23.26	2823	0.549	0.757	-0.804	2.398	0.888
600S137-68	0.0713	0.640	2.18	3.094	1.031	2.200	0.125	0.443	3.094	1.031	24.05	4347	3.094	1.03	30.84	5350	1.084	0.911	-0.793	2.380	0.889
600S137-97	0.1017	0.889	3.03	4.188	1.396	2.170	0.159	0.422	4.188	1.396	34.48	6911	4.188	1.396	50.80	10472	3.066	1.179	-0.770	2.341	0.892
600S162-33	0.0346	0.344	1.17	1.793	0.598	2.282	0.116	0.581	1.793	0.577	11.41	638	1.793	0.481	14.40	638	0.137	0.851	-1.091	2.595	0.823
600S162-43	0.0451	0.447	1.52	2.316	0.772	2.276	0.148	0.576	2.316	0.767	16.68	1416	2.316	0.706	21.12	1416	0.303	1.082	-1.081	2.585	0.825
600S162-54	0.0566	0.556	1.89	2.860	0.953	2.267	0.180	0.570	2.860	0.953	21.17	2739	2.860	0.916	30.33	2823	0.594	1.318	-1.072	2.572	0.826
600S162-68	0.0713	0.693	2.36	3.525	1.175	2.255	0.218	0.560	3.525	1.175	26.79	4347	3.525	1.164	39.47	5350	1.174	1.596	-1.061	2.554	0.828
600S162-97	0.1017	0.966	3.29	4.797	1.599	2.229	0.283	0.541	4.797	1.599	38.37	6911	4.797	1.599	56.73	10472	3.329	2.093	-1.039	2.518	0.830
600S200-33	0.0346	0.379	1.29	2.075	0.692	2.340	0.209	0.743	2.059	0.617	12.20	638	2.016	0.520	15.57	638	0.151	1.577	-1.479	2.866	0.734
600S200-43	0.0451	0.492	1.67	2.683	0.894	2.335	0.268	0.739	2.683	0.873	17.24	1416	2.683	0.806	24.12	1416	0.334	2.012	-1.468	2.855	0.736
600S200-54	0.0566	0.613	2.09	3.319	1.106	2.327	0.328	0.732	3.319	1.106	24.07	2739	3.319	1.016	30.41	2823	0.655	2.461	-1.459	2.842	0.737
600S200-68	0.0713	0.764	2.60	4.101	1.367	2.316	0.400	0.723	4.101	1.367	30.42	4347	4.101	1.317	43.71	5350	1.295	2.997	-1.448	2.826	0.737
600S200-97	0.1017	1.067	3.63	5.612	1.871	2.293	0.530	0.705	5.612	1.871	43.49	6911	5.612	1.871	64.53	10472	3.679	3.981	-1.427	2.791	0.739
600S250-43	0.0451	0.537	1.83	3.082	1.027	2.396	0.458	0.923	3.082	0.921	18.19	1416	2.973	0.826	24.73	1416	0.364	3.379	-1.898	3.193	0.647
600S250-54	0.0566	0.670	2.28	3.819	1.273	2.388	0.562	0.917	3.819	1.160	22.91	2739	3.763	1.079	32.31	2823	0.715	4.146	-1.889	3.180	0.647
600S250-68	0.0713	0.836	2.84	4.727	1.576	2.378	0.688	0.908	4.727	1.508	32.82	4347	4.722	1.388	41.55	5350	1.416	5.071	-1.878	3.164	0.647
600S250-97	0.1017	1.169	3.98	6.496	2.165	2.357	0.923	0.889	6.496	2.161	48.81	6911	6.496	2.063	69.38	10472	4.030	6.798	-1.857	3.130	0.648
600S300-54	0.0566	0.769	2.62	4.523	1.508	2.426	1.038	1.162	4.522	1.366	26.99	2739	4.363	1.262	37.77	2823	0.821	9.016	-2.605	3.745	0.516
600S300-68	0.0713	0.960	3.27	5.610	1.870	2.417	1.279	1.154	5.610	1.843	36.42	4347	5.610	1.702	50.97	5350	1.627	11.077	-2.596	3.730	0.516
600S300-97	0.1017	1.347	4.58	7.747	2.582	2.398	1.741	1.137	7.747	2.582	57.16	6911	7.747	2.508	82.86	10472	4.644	14.998	-2.577	3.699	0.515
600S350-54	0.0566	0.825	2.81	5.022	1.674	2.467	1.491	1.344	4.916	1.441	28.48	2739	4.715	1.323	39.62	2823	0.881	12.844	-3.072	4.163	0.456
600S350-68	0.0713	1.032	3.51	6.237	2.079	2.459	1.841	1.336	6.237	1.949	38.50	4347	6.170	1.761	52.73	5350	1.748	15.814	-3.062	4.148	0.455
600S350-97	0.1017	1.449	4.93	8.631	2.877	2.441	2.518	1.318	8.631	2.822	61.55	6911	8.631	2.593	77.64	10472	4.994	21.504	-3.044	4.118	0.454
600T100-33	0.0346	0.277	0.94	1.267	0.412	2.140	0.018	0.254	1.170	0.289	5.71	622	1.094	0.250	7.49	622	0.110	0.129	-0.367	2.186	0.972
600T100-43	0.0451	0.36	1.23	1.650	0.536	2.140	0.023	0.252	1.629	0.444	8.78	1377	1.551	0.391	11.69	1377	0.244	0.166	-0.364	2.185	0.972
600T100-54	0.0566	0.452	1.54	2.077	0.670	2.144	0.028	0.250	2.077	0.633	12.51	2728	2.061	0.569	17.05	2728	0.483	0.207	-0.361	2.188	0.973
600T100-68	0.0713	0.569	1.94	2.629	0.841	2.149	0.035	0.247	2.629	0.841	16.62	4347	2.629	0.813	24.35	5350	0.965	0.259	-0.358	2.192	0.973
600T100-97	0.1017	0.811	2.76	3.784	1.191	2.159	0.047	0.241	3.784	1.191	27.68	7359	3.784	1.191	41.07	10885	2.797	0.363	-0.350	2.201	0.975
600T125-33	0.0346	0.294	1.00	1.428	0.465	2.204	0.034	0.339	1.258	0.297	5.87	622	1.169	0.256	7.66	622	0.117	0.237	-0.523	2.291	0.948
600T125-43	0.0451	0.383	1.30	1.861	0.604	2.205	0.044	0.337	1.768	0.461	9.11	1377	1.670	0.402	12.05	1377	0.260	0.306	-0.519	2.290	0.949
600T125-54	0.0566	0.480	1.63	2.344	0.756	2.209	0.054	0.335	2.299	0.666	13.15	2728	2.241	0.592	17.73	2728	0.513	0.383	-0.516	2.293	0.949
600T125-68	0.0713	0.605	2.06	2.969	0.950	2.215	0.067	0.332	2.969	0.916	18.09	4347	2.934	0.858	25.69	5350	1.025	0.481	-0.512	2.298	0.950
600T125-97	0.1017	0.862	2.93	4.281	1.347	2.228	0.092	0.326	4.281	1.347	30.43	7359	4.281	1.347	40.33	10885	2.973	0.681	-0.504	2.308	0.952
600T150-33	0.0346	0.311	1.06	1.590	0.517	2.260	0.057	0.426	1.334	0.303	5.99	622	1.234	0.260	7.79	622	0.124	0.389	-0.691	2.401	0.917
600T150-43	0.0451	0.405	1.38	2.072	0.673	2.261	0.073	0.424	1.890	0.474	9.36	1377	1.775	0.411	12.31	1377	0.275	0.503	-0.687	2.400	0.918
600T150-54	0.0566	0.509	1.73	2.611	0.843	2.266	0.091	0.422	2.473	0.689	13.62	2728	2.400	0.609	18.24	2728	0.543	0.630	-0.684	2.404	0.919
600T150-68	0.0713	0.641	2.18	3.309	1.059	2.273	0.113	0.419	3.262	0.963	19.03	4347	3.162	0.891	26.68	5350	1.086	0.794	-0.680	2.409	0.920
600T150-97	0.1017	0.913	3.11	4.778	1.504	2.288	0.156	0.413	4.778	1.504	29.71	7359	4.778	1.444	43.23	10885	3.148	1.131	-0.672	2.420	0.923
600T200-33	0.0346	0.346	1.18	1.913	0.622	2.352	0.126	0.604	1.542	0.333	6.59	622	1.504	0.275	8.23	622	0.138	0.845	-1.057	2.648	0.841
600T200-43	0.0451	0.451	1.53	2.494	0.809	2.353	0.163	0.602	2.076	0.565	11.16	1377	2.025	0.460	13.76	1377	0.305	1.095	-1.053	2.647	0.842
600T200-54	0.0566	0.565	1.92	3.145	1.015	2.359	0.203	0.600	2.759	0.759	15.00	2728	2.641	0.717	21.48	2728	0.604	1.376	-1.049	2.650	0.843
600T200-68	0.0713	0.712	2.42	3.990	1.277	2.367	0.254	0.597	3.696	1.034	20.42	4347	3.540	0.973	29.12	5350	1.206	1.739	-1.045	2.656	0.845
600T200-97	0.1017	1.015	3.45	5.773	1.816	2.385	0.354	0.591	5.758	1.667	32.95	7359	5.558	1.568	46.94	10885	3.499	2.496	-1.036	2.667	0.849
600T250-43	0.0451	0.496	1.69	2.916	0.946	2.425	0.303	0.781	2.269	0.563	11.13	1377	2.210	0.457	13.67	1377	0.336	1.999	-1.447	2.930	0.756
600T250-54	0.0566	0.622	2.12	3.678	1.187	2.432	0.377	0.779	3.014	0.793	15.68	2728	2.881	0.732	21.92	2728	0.664	2.516	-1.443	2.933	0.758
600T250-68	0.0713	0.783	2.67	4.670	1.495	2.442	0.472	0.776	4.065	1.085	21.45	4347	3.871	1.017	30.46	5350	1.327	3.186	-1.438	2.938	0.760
600T250-97	0.1017	1.116	3.80	6.767	2.129	2.462	0.662	0.770	6.441	1.775	35.08	7359	6.157	1.656	49.58	10885	3.849	4.592	-1.428	2.949	0.765
600T300-54	0.0566	0.679	2.31	4.212	1.359	2.492	0.622	0.957	3.239	0.821	16.22	2728	3.108	0.722	21.61	2728	0.725	4.119	-1.856	3.251	0.674
600T300-68	0.0713	0.854	2.91	5.350	1.712	2.502	0.778	0.954	4.389	1.126	22.25	4347	4.164	1.053	31.53	5350	1.448	5.223	-1.851	3.256	0.677
600T300-97	0.1017	1.218	4.15	7.762	2.442	2.524	1.096	0.948	7.034	1.857	36.69	7359	6.681	1.724	51.62	10885	4.200	7.549	-1.841	3.265	0.682