

## STRUCTURAL TRACK SECTION NOTES

### Section Property Table Notes

1. Web depth for track sections equals nominal depth plus 2 x design thickness plus bend radius.
2. Hems on non-structural track sections are ignored.
3. Effective properties include the strength increase from cold-work of forming per NASPEC section A7.2 where applicable. Where Allowable Moment,  $M_a$  is followed by '\*', a stress increase from cold-work of forming has been applied.
4. For deflection determination, use the effective moment of inertia. Effective moment of inertia is based on Procedure 1 of the NASPEC.
5. Section properties meet the 2009 and 2012 International Building Code."
6. Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.
7. Web-height to thickness ratio exceeds 260. Effective properties not available.

# STRUCTURAL TRACK SECTION PROPERTIES

Section	Gross Properties					Effective Properties Fy = 33 ksi					Effective Properties Fy = 50 ksi					Torsional Properties						
	Thickness (in)	Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	R <sub>x</sub> (in)	I <sub>yy</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	M <sub>aFy</sub> (in-k)	V <sub>a</sub> (lb)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	M <sub>aFy</sub> (in-k)	V <sub>a</sub> (lb)	J (in <sup>4</sup> )	C <sub>w</sub> (in <sup>6</sup> )	X <sub>o</sub> (in)	m (in)	R <sub>o</sub> (in)	B
250T125-33	0.0346	0.173	0.59	0.192	0.145	1.054	0.027	0.397	0.166	0.103	2.03	1024				0.069	0.033	-0.76	0.456	1.358	0.687	
250T125-43	0.0451	0.225	0.77	0.25	0.188	1.055	0.035	0.395	0.231	0.147	2.91	1356				0.153	0.042	-0.755	0.453	1.356	0.69	
250T125-54	0.0566	0.282	0.96	0.318	0.236	1.062	0.043	0.392	0.31	0.203	4.01	1692	0.297	0.188	5.64	2563	0.301	0.054	-0.749	0.449	1.357	0.696
250T125-68	0.0713	0.355	1.21	0.408	0.297	1.072	0.054	0.389	0.408	0.281	5.56	2111	0.402	0.262	7.85	3199	0.602	0.069	-0.74	0.444	1.36	0.704
250T125-97	0.1017	0.506	1.72	0.604	0.423	1.092	0.074	0.383	0.604	0.423	9.56	2954	0.604	0.423	12.67	4476	1.745	0.101	-0.724	0.434	1.365	0.719
250T150-33	0.0346	0.19	0.65	0.221	0.167	1.079	0.045	0.485	0.179	0.107	2.11	1024				0.076	0.054	-0.973	0.573	1.532	0.596	
250T150-43	0.0451	0.248	0.84	0.289	0.217	1.08	0.058	0.483	0.252	0.154	3.03	1356				0.168	0.07	-0.968	0.57	1.529	0.599	
250T150-54	0.0566	0.311	1.06	0.368	0.273	1.088	0.072	0.481	0.342	0.213	4.22	1692	0.325	0.197	5.89	2563	0.332	0.089	-0.961	0.566	1.529	0.605
250T150-68	0.0713	0.391	1.33	0.472	0.344	1.099	0.089	0.478	0.465	0.299	5.92	2111	0.445	0.276	8.27	3199	0.663	0.114	-0.953	0.561	1.531	0.613
250T150-97	0.1017	0.557	1.9	0.701	0.491	1.121	0.124	0.471	0.701	0.491	9.69	2954	0.701	0.463	13.86	4476	1.921	0.168	-0.935	0.55	1.534	0.629
250T200-33	0.0346	0.225	0.76	0.28	0.212	1.117	0.097	0.658	0.203	0.112	2.22	1024				0.09	0.118	-1.418	0.813	1.921	0.455	
250T200-43	0.0451	0.293	1	0.366	0.275	1.118	0.126	0.657	0.288	0.163	3.21	1356				0.198	0.153	-1.413	0.81	1.918	0.457	
250T200-54	0.0566	0.367	1.25	0.466	0.346	1.127	0.157	0.654	0.396	0.228	4.51	1692	0.371	0.209	6.25	2563	0.392	0.195	-1.405	0.806	1.917	0.462
250T200-68	0.0713	0.462	1.57	0.6	0.437	1.139	0.196	0.652	0.548	0.324	6.41	2111	0.517	0.296	8.86	3199	0.783	0.251	-1.396	0.8	1.916	0.469
250T200-97	0.1017	0.659	2.24	0.893	0.626	1.165	0.275	0.646	0.893	0.556	10.99	2954	0.856	0.51	15.27	4476	2.271	0.374	-1.376	0.789	1.915	0.484
250T250-43	0.0451	0.338	1.15	0.443	0.333	1.146	0.23	0.826	0.318	0.169	3.34	1356				0.229	0.283	-1.873	1.053	2.346	0.362	
250T250-54	0.0566	0.424	1.44	0.565	0.419	1.155	0.287	0.824	0.44	0.238	4.7	1692	0.41	0.217	6.5	2563	0.453	0.361	-1.865	1.049	2.343	0.366
250T250-68	0.0713	0.534	1.82	0.728	0.53	1.168	0.36	0.821	0.616	0.341	6.74	2111	0.576	0.31	9.27	3199	0.904	0.466	-1.855	1.043	2.341	0.372
250T250-97	0.1017	0.761	2.59	1.086	0.761	1.195	0.506	0.815	1.028	0.596	11.79	2954	0.972	0.541	16.2	4476	2.622	0.696	-1.834	1.031	2.336	0.384
250T300-33	0.0346	0.294	1	0.398	0.301	1.164	0.29	0.993								0.117	0.36	-2.349	1.301	2.803	0.298	
250T300-43	0.0451	0.383	1.3	0.521	0.391	1.166	0.376	0.991								0.26	0.47	-2.343	1.299	2.798	0.299	
250T300-54	0.0566	0.48	1.63	0.664	0.492	1.176	0.47	0.989	0.477	0.245	4.85	1692	0.443	0.223	6.69	2563	0.513	0.599	-2.335	1.294	2.795	0.302
250T300-68	0.0713	0.605	2.06	0.856	0.623	1.189	0.589	0.987	0.674	0.353	6.98	2111	0.626	0.319	9.56	3199	1.025	0.773	-2.324	1.288	2.791	0.307
250T300-97	0.1017	0.862	2.93	1.279	0.896	1.218	0.83	0.981	1.144	0.625	12.35	2954	1.072	0.563	16.86	4476	2.973	1.158	-2.303	1.276	2.784	0.316
350T125-33	0.0346	0.207	0.71	0.405	0.222	1.397	0.03	0.379	0.354	0.165	3.27	1024				0.083	0.07	-0.668	0.414	1.594	0.824	
350T125-43	0.0451	0.27	0.92	0.528	0.288	1.397	0.038	0.377	0.49	0.233	4.61	1739				0.183	0.09	-0.663	0.412	1.592	0.826	
350T125-54	0.0566	0.339	1.15	0.668	0.361	1.404	0.048	0.375	0.651	0.317	6.26	2392	0.626	0.297	8.89	3372	0.362	0.114	-0.658	0.408	1.595	0.83
350T125-68	0.0713	0.427	1.45	0.851	0.454	1.412	0.059	0.372	0.851	0.433	8.55	2994	0.839	0.407	12.18	4536	0.723	0.144	-0.65	0.403	1.599	0.835
350T125-97	0.1017	0.608	2.07	1.243	0.645	1.43	0.081	0.366	1.243	0.645	14.56	4213	1.243	0.645	19.3	6383	2.096	0.209	-0.636	0.394	1.607	0.844
350T150-33	0.0346	0.225	0.76	0.461	0.253	1.432	0.049	0.469	0.382	0.171	3.39	1024				0.09	0.114	-0.866	0.527	1.738	0.752	
350T150-43	0.0451	0.293	1	0.601	0.328	1.433	0.064	0.467	0.531	0.243	4.8	1739				0.198	0.148	-0.861	0.525	1.736	0.754	
350T150-54	0.0566	0.367	1.25	0.761	0.412	1.44	0.079	0.465	0.712	0.332	6.57	2392	0.679	0.31	9.28	3372	0.392	0.187	-0.855	0.521	1.738	0.758
350T150-68	0.0713	0.462	1.57	0.972	0.518	1.45	0.099	0.462	0.957	0.459	9.07	2994	0.919	0.428	12.81	4536	0.783	0.238	-0.847	0.516	1.741	0.763
350T150-97	0.1017	0.659	2.24	1.422	0.738	1.469	0.136	0.455	1.422	0.738	14.58	4213	1.422	0.701	20.98	6383	2.271	0.346	-0.831	0.506	1.748	0.774
350T200-33	0.0346	0.259	0.88	0.574	0.315	1.487	0.108	0.647	0.428	0.181	3.57	1024				0.103	0.249	-1.285	0.761	2.069	0.614	
350T200-43	0.0451	0.338	1.15	0.749	0.409	1.489	0.14	0.645	0.6	0.257	5.09	1739				0.229	0.323	-1.28	0.758	2.066	0.616	
350T200-54	0.0566	0.424	1.44	0.949	0.513	1.496	0.175	0.642	0.814	0.355	7.01	2392	0.77	0.329	9.85	3372	0.453	0.409	-1.273	0.754	2.067	0.621
350T200-68	0.0713	0.534	1.82	1.213	0.647	1.508	0.218	0.639	1.112	0.496	9.8	2994	1.054	0.458	13.71	4536	0.904	0.522	-1.264	0.749	2.069	0.626
350T200-97	0.1017	0.761	2.59	1.78	0.923	1.53	0.305	0.633	1.779	0.831	16.41	4213	1.708	0.769	23.01	6383	2.622	0.765	-1.247	0.738	2.073	0.638
350T250-43	0.0451	0.383	1.3	0.896	0.49	1.53	0.257	0.819	0.659	0.268	5.29	1739				0.26	0.563	-1.719	0.996	2.443	0.505	
350T250-54	0.0566	0.48	1.63	1.137	0.615	1.538	0.321	0.817	0.9	0.371	7.33	2392	0.846	0.343	10.26	3372	0.513	0.752	-1.712	0.992	2.442	0.509
350T250-68	0.0713	0.605	2.06	1.454	0.776	1.55	0.401	0.814	1.241	0.522	10.31	2994	1.168	0.479	14.35	4536	1.025	0.961	-1.703	0.987	2.443	0.514
350T250-97	0.1017	0.862	2.93	2.139	1.109	1.575	0.563	0.808	2.027	0.889	17.56	4213	1.924	0.815	24.39	6383	2.973	1.413	-1.684	0.975	2.443	0.525
350T300-33	0.0346	0.329	1.12	0.799	0.439	1.56	0.324	0.992								0.131	0.75	-2.178	1.241	2.857	0.419	
350T300-43	0.0451	0.428	1.46	1.044	0.57	1.562	0.42	0.991								0.29	0.976	-2.172	1.238	2.853	0.42	
350T300-54																						

# STRUCTURAL TRACK SECTION PROPERTIES

Section	Gross Properties						Effective Properties Fy = 33 ksi					Effective Properties Fy = 50 ksi					Torsional Properties						
	Thickness (in)	Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	R <sub>x</sub> (in)	I <sub>yy</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	M <sub>aFy</sub> (in-k)	V <sub>a</sub> (lb)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	M <sub>aFy</sub> (in-k)	V <sub>a</sub> (lb)	J (in <sup>4</sup> )	C <sub>w</sub> (in <sup>6</sup> )	X <sub>o</sub> (in)	m (in)	R <sub>o</sub> (in)	$\beta$	
<b>350T400-68</b>	0.0713	0.819	2.79	2.177	1.161	1.631	1.427	1.32	1.536	0.568	11.22	2994	1.427	0.518	15.52	4536	1.388	3.51	-3.085	1.717	3.731	0.316	
<b>362T125-33</b>	0.0346	0.212	0.72	0.438	0.232	1.438	0.03	0.377	0.384	0.174	3.44	1024					0.085	0.076	-0.658	0.409	1.626	0.836	
<b>362T125-43</b>	0.0451	0.276	0.94	0.571	0.302	1.439	0.039	0.375	0.531	0.245	4.84	1739					0.187	0.098	-0.654	0.407	1.625	0.838	
<b>362T125-54</b>	0.0566	0.346	1.18	0.723	0.378	1.445	0.048	0.373	0.705	0.332	6.57	2480	0.678	0.312	9.34	3372	0.369	0.123	-0.648	0.404	1.627	0.841	
<b>362T125-68</b>	0.0713	0.436	1.48	0.921	0.475	1.454	0.06	0.37	0.921	0.453	8.95	3104	0.907	0.427	12.78	4703	0.738	0.156	-0.641	0.399	1.631	0.846	
<b>362T125-97</b>	0.1017	0.621	2.11	1.343	0.675	1.471	0.082	0.363	1.343	0.675	15.24	4370	1.343	0.675	20.2	6622	2.14	0.226	-0.626	0.39	1.639	0.854	
<b>362T125-118</b>	0.1242	0.757	2.58	1.666	0.821	1.483	0.097	0.358					1.666	0.821	28.24	8008	3.894	0.278	-0.615	0.383	1.645	0.860	
<b>362T150-33</b>	0.0346	0.229	0.78	0.499	0.264	1.475	0.05	0.467	0.414	0.18	3.56	1024					0.091	0.124	-0.854	0.522	1.767	0.766	
<b>362T150-43</b>	0.0451	0.298	1.02	0.65	0.343	1.476	0.064	0.465	0.574	0.255	5.04	1739					0.202	0.16	-0.85	0.519	1.766	0.768	
<b>362T150-54</b>	0.0566	0.374	1.27	0.431	1.483	0.08	0.462	0.769	0.349	0.349	2480	2480	0.735	0.325	9.74	3372	0.4	0.202	-0.844	0.516	1.768	0.772	
<b>362T150-68</b>	0.0713	0.471	1.6	1.05	0.542	1.492	0.099	0.459	1.034	0.48	9.49	3104	0.993	0.449	13.43	4703	0.799	0.257	-0.836	0.511	1.771	0.777	
<b>362T150-97</b>	0.1017	0.672	2.29	1.534	0.771	0.138	0.453	1.534	0.771	0.771	4370	4370	1.534	0.733	21.94	6622	2.315	0.374	-0.82	0.501	1.778	0.787	
<b>362T150-118</b>	0.1242	0.819	2.79	1.907	0.939	1.525	0.165	0.448					1.907	0.939	31.65	8008	4.214	0.462	-0.808	0.494	1.784	0.795	
<b>362T200-33</b>	0.0346	0.264	0.9	0.619	0.328	1.532	0.11	0.645	0.464	0.19	3.76	1024					0.105	0.269	-1.27	0.754	2.092	0.631	
<b>362T200-43</b>	0.0451	0.343	1.17	0.808	0.427	1.534	0.142	0.643	0.649	0.27	5.34	1739					0.233	0.35	-1.265	0.752	2.09	0.633	
<b>362T200-54</b>	0.0566	0.431	1.47	1.024	0.536	1.541	0.177	0.64	0.879	0.372	7.35	2480	0.832	0.345	10.34	3372	0.46	0.442	-1.259	0.748	2.091	0.637	
<b>362T200-68</b>	0.0713	0.543	1.85	1.307	0.675	1.552	0.221	0.638	1.199	0.519	10.26	3104	1.138	0.48	14.37	4703	0.919	0.564	-1.25	0.743	2.093	0.643	
<b>362T200-97</b>	0.1017	0.773	2.63	1.917	0.963	1.575	0.308	0.631	1.915	0.867	17.14	4370	1.839	0.803	24.06	6622	2.666	0.825	-1.232	0.732	2.097	0.655	
<b>362T200-118</b>	0.1242	0.944	3.21	2.388	1.176	1.591	0.371	0.627					2.388	1.072	32.09	8008	4.852	1.026	-1.219	0.724	2.100	0.663	
<b>362T250-43</b>	0.0451	0.389	1.32	0.966	0.51	1.577	0.26	0.818	0.713	0.281	5.56	1739					0.263	0.641	-1.702	0.99	2.46	0.521	
<b>362T250-54</b>	0.0566	0.487	1.66	1.224	0.641	1.585	0.324	0.816	0.971	0.389	7.69	2480	0.914	0.36	10.77	3372	0.521	0.812	-1.695	0.986	2.46	0.525	
<b>362T250-68</b>	0.0713	0.614	2.09	1.565	0.808	1.597	0.406	0.813	1.337	0.549	10.79	3104	1.259	0.502	15.04	4703	1.04	1.038	-1.686	0.98	2.46	0.53	
<b>362T250-97</b>	0.1017	0.875	2.98	2.3	1.155	1.621	0.57	0.807	2.18	0.928	18.34	4370	2.069	0.851	25.49	6622	3.016	1.524	-1.667	0.969	2.461	0.541	
<b>362T250-118</b>	0.1242	1.068	3.63	2.868	1.413	1.639	0.687	0.802					2.732	1.149	34.41	8008	5.491	1.900	-1.653	0.961	2.462	0.549	
<b>362T300-33</b>	0.0346	0.333	1.13	0.861	0.457	1.608	0.327	0.992									0.133	0.811	-2.159	1.234	2.869	0.434	
<b>362T300-43</b>	0.0451	0.434	1.48	1.124	0.594	1.61	0.425	0.99									0.294	1.055	-2.153	1.231	2.865	0.435	
<b>362T300-54</b>	0.0566	0.544	1.85	1.425	0.746	1.618	0.531	0.988	1.051	0.402	7.94	2480	0.985	0.371	11.11	3372	0.581	1.337	-2.146	1.227	2.863	0.439	
<b>362T300-68</b>	0.0713	0.685	2.33	1.823	0.941	1.631	0.665	0.985	1.456	0.566	11.19	3104	1.364	0.519	15.55	4703	1.161	1.711	-2.136	1.221	2.862	0.443	
<b>362T300-97</b>	0.1017	0.977	3.32	2.682	1.348	1.657	0.937	0.979	0.979	2.409	0.972	19.21	4370	2.268	0.887	26.54	6622	3.367	2.518	-2.116	1.209	2.86	0.453
<b>362T300-118</b>	0.1242	1.192	4.06	3.349	1.650	1.676	1.133	0.975					3.022	1.205	36.09	8008	6.130	3.145	-2.101	1.201	2.859	0.460	
<b>362T350-118</b>	0.1242	1.316	4.48	3.830	1.887	1.706	1.724	1.145					3.277	1.248	37.37	8008	6.768	4.822	-2.560	1.444	3.282	0.392	
<b>362T400-68</b>	0.0713	0.828	2.82	2.339	1.207	1.681	1.444	1.321	1.654	0.595	11.75	3104	1.537	0.544	16.28	4703	1.403	3.785	-3.063	1.709	3.735	0.328	
<b>362T400-97</b>	0.1017	1.18	4.02	3.447	1.732	1.709	2.042	1.316	2.79	1.033	20.41	4213	2.599	0.936	28.02	6383	4.068	5.585	-3.041	1.697	3.729	0.335	
<b>362T400-97</b>	0.1017	1.18	4.02	3.447	1.732	1.709	2.042	1.316	2.79	1.033	20.41	4370	2.599	0.936	28.02	6622	4.068	5.585	-3.041	1.697	3.729	0.335	
<b>400T125-33</b>	0.0346	0.225	0.76	0.549	0.265	1.563	0.031	0.371	0.484	0.201	3.97	940					0.09	0.095	-0.63	0.396	1.725	0.867	
<b>400T125-43</b>	0.0451	0.293	1	0.716	0.344	1.563	0.04	0.369	0.666	0.282	5.57	1739					0.198	0.122	-0.626	0.394	1.724	0.868	
<b>400T125-54</b>	0.0566	0.367	1.25	0.904	0.431	1.569	0.049	0.366	0.882	0.381	7.53	2739	0.849	0.359	10.74	3372	0.392	0.154	-0.621	0.39	1.727	0.871	
<b>400T125-68</b>	0.0713	0.462	1.57	1.15	0.541	1.577	0.061	0.363	1.15	0.517	10.22	3435	1.134	0.488	14.62	5205	0.783	0.194	-0.614	0.386	1.731	0.874	
<b>400T125-97</b>	0.1017	0.659	2.24	1.673	0.768	1.594	0.084	0.357	1.673	0.768	17.35	4842	1.673	0.768	23	7337	2.271	0.28	-0.6	0.377	1.74	0.881	
<b>400T125-118</b>	0.1242	0.804	2.74	2.071	0.934	1.605	0.100	0.352					2.071	0.934	32.14	8881	4.134	0.343	-0.589	0.370	1.746	0.886	
<b>400T150-33</b>	0.0346	0.242	0.82	0.622	0.3	1.603	0.051	0.46	0.519	0.208	4.12	940					0.097	0.155	-0.821	0.507	1.859	0.805	
<b>400T150-43</b>	0.0451	0.315	1.07	0.811	0.39	1.604	0.066	0.458	0.719	0.293	5.8	1739					0.214	0.2	-0.817	0.504	1.857	0.807	
<b>400T150-54</b>	0.0566	0.396	1.35	1.025	0.489	1.61	0.082	0.456	0.96	0.399	7.89	2739	0.918	0.374	11.19	3372	0.422	0.252	-0.811	0.501	1.86	0.81	
<b>400T150-68</b>	0.0713	0.498	1.69	1.306	0.615	1.619	0.102	0.453	1.286	0.548	10.82	3435	1.237	0.513	15.35	5205	0.844						

# STRUCTURAL TRACK SECTION PROPERTIES

Section	Gross Properties								Effective Properties Fy = 33 ksi					Effective Properties Fy = 50 ksi					Torsional Properties			
	Thickness (in)	Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	R <sub>x</sub> (in)	I <sub>yy</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	M <sub>aFy</sub> (in-k)	V <sub>a</sub> (lb)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	M <sub>aFy</sub> (in-k)	V <sub>a</sub> (lb)	J (in <sup>4</sup> )	C <sub>w</sub> (in <sup>6</sup> )	X <sub>o</sub> (in)	m (in)	R <sub>o</sub> (in)	B
400T200-54	0.0566	0.452	1.54	1.268	0.604	1.675	0.182	0.635	1.093	0.426	8.42	2739	1.037	0.397	11.88	3372	0.483	0.551	-1.217	0.73	2.165	0.684
400T200-68	0.0713	0.569	1.94	1.617	0.761	1.685	0.227	0.632	1.485	0.591	11.68	3435	1.412	0.549	16.42	5205	0.965	0.702	-1.209	0.725	2.168	0.689
400T200-97	0.1017	0.811	2.76	2.363	1.085	1.707	0.317	0.625	2.36	0.981	19.38	4842	2.268	0.911	27.28	7337	2.797	1.022	-1.192	0.715	2.173	0.699
400T200-118	0.1242	0.990	3.37	2.937	1.324	1.722	0.381	0.621				2.937	1.211	36.25	8881	5.092	1.268	-1.179	0.707	2.177	0.707	
400T250-43	0.0451	0.405	1.38	1.193	0.573	1.715	0.268	0.813	0.888	0.324	6.4	1739		0.275	0.799	-1.653	0.97	2.517	0.569			
400T250-54	0.0566	0.509	1.73	1.511	0.72	1.723	0.335	0.811	1.205	0.445	8.8	2739	1.137	0.413	12.38	3372	0.543	1.011	-1.646	0.966	2.517	0.572
400T250-68	0.0713	0.641	2.18	1.928	0.907	1.735	0.418	0.808	1.652	0.622	12.28	3435	1.559	0.574	17.19	5205	1.086	1.289	-1.637	0.961	2.518	0.578
400T250-97	0.1017	0.913	3.11	2.823	1.296	1.758	0.587	0.802	2.679	1.048	20.72	4842	2.546	0.965	28.89	7337	3.148	1.886	-1.618	0.95	2.521	0.588
400T250-118	0.1242	1.114	3.79	3.514	1.585	1.776	0.709	0.798				3.348	1.297	38.84	8881	5.730	2.345	-1.605	0.942	2.523	0.595	
400T300-33	0.0346	0.346	1.18	1.06	0.512	1.751	0.338	0.989			0.138	1.009	-2.103	1.213	2.91	0.478						
400T300-43	0.0451	0.451	1.53	1.384	0.665	1.753	0.439	0.987			0.305	1.313	-2.097	1.21	2.906	0.479						
400T300-54	0.0566	0.565	1.92	1.753	0.835	1.761	0.548	0.985	1.302	0.46	9.09	2739	1.224	0.426	12.77	3372	0.604	1.662	-2.09	1.206	2.905	0.482
400T300-68	0.0713	0.712	2.42	2.239	1.054	1.774	0.686	0.982	1.797	0.645	12.74	3435	1.687	0.594	17.78	5205	1.206	2.122	-2.081	1.2	2.905	0.487
400T300-97	0.1017	1.015	3.45	3.284	1.508	1.799	0.967	0.976	2.953	1.098	21.7	4842	2.786	1.005	30.09	7337	3.499	3.111	-2.061	1.189	2.905	0.496
400T300-118	0.1242	1.239	4.21	4.091	1.845	1.817	1.170	0.972				3.696	1.360	40.72	8881	6.369	3.875	-2.047	1.180	2.904	0.503	
400T400-68	0.0713	0.854	2.91	2.862	1.347	1.83	1.491	1.321	2.038	0.678	13.39	3435	1.9	0.622	18.63	5205	1.448	4.68	-2.998	1.686	3.752	0.362
400T400-97	0.1017	1.218	4.15	4.204	1.93	1.858	2.109	1.316	3.413	1.167	23.06	4842	3.186	1.062	31.79	7337	4.2	6.88	-2.977	1.674	3.747	0.369
550T300-43	0.0451	0.518	1.76	2.755	0.973	2.306	0.485	0.967			0.351	2.687	-1.904	1.133	3.143	0.633						
550T300-54	0.0566	0.65	2.21	3.479	1.221	2.313	0.606	0.965	2.654	0.723	14.28	2739	2.526	0.663	19.84	2980	0.694	3.39	-1.898	1.129	3.144	0.636
550T300-68	0.0713	0.819	2.79	4.424	1.539	2.324	0.758	0.962	3.61	0.996	19.68	4347	3.417	0.929	27.8	5350	1.388	4.307	-1.889	1.123	3.146	0.639
550T300-97	0.1017	1.167	3.97	6.43	2.196	2.347	1.068	0.956	5.816	1.654	32.68	6730	5.516	1.531	45.83	10197	4.024	6.248	-1.871	1.113	3.15	0.647
550T400-68	0.0713	0.961	3.27	5.573	1.939	2.408	1.655	1.312	4.073	1.049	20.74	4347	3.834	0.976	29.21	5350	1.629	9.418	-2.766	1.6	3.895	0.496
550T400-97	0.1017	1.371	4.66	8.113	2.771	2.433	2.339	1.306	6.666	1.759	34.76	6730	6.265	1.619	48.49	10197	4.726	13.707	-2.746	1.589	3.895	0.503
600T125-33	0.0346	0.294	1	1.428	0.465	2.204	0.034	0.339	1.258	0.297	5.87	622		0.117	0.238	-0.516	0.337	2.289	0.949			
600T125-43	0.0451	0.383	1.3	1.861	0.604	2.205	0.044	0.337	1.768	0.461	9.11	1377		0.26	0.307	-0.513	0.335	2.288	0.95			
600T125-54	0.0566	0.48	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	0.384	-0.508	0.332	2.291	0.951
600T125-68	0.0713	0.605	2.06	2.969	0.95	2.215	0.067	0.332	2.969	0.916	18.09	4347	2.934	0.858	25.69	5350	1.025	0.483	-0.503	0.329	2.296	0.952
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	0.685	-0.491	0.321	2.305	0.955
600T125-118	0.1242	1.052	3.58	5.268	1.637	2.237	0.109	0.321	5.268	1.637	37.94	8936	5.268	1.637	56.32	13539	5.411	0.832	-0.483	0.315	2.311	0.956
600T150-33	0.0346	0.311	1.06	1.59	0.517	2.26	0.057	0.426	1.334	0.303	5.99	622		0.124	0.39	-0.684	0.439	2.399	0.919			
600T150-43	0.0451	0.405	1.38	2.072	0.673	2.261	0.073	0.424	1.89	0.474	9.36	1377		0.275	0.504	-0.68	0.437	2.398	0.92			
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	2.4	0.609	18.24	2728	0.543	0.632	-0.675	0.434	2.401	0.921
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	0.797	-0.669	0.43	2.406	0.923
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	1.138	-0.656	0.421	2.415	0.926
600T150-118	0.1242	1.114	3.79	5.886	1.829	2.298	0.186	0.409	5.886	1.829	41.41	8936	5.886	1.829	61.64	13539	5.73	1.389	-0.647	0.415	2.422	0.929
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		0.138	0.847	-1.048	0.655	2.645	0.843			
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		0.305	1.098	-1.044	0.652	2.643	0.844			
600T200-54	0.0566	0.565	1.92	3.145	1.015	2.359	0.203	0.6	2.759	0.759	15	2728	2.641	0.717	21.48	2728	0.604	1.381	-1.038	0.649	2.646	0.846
600T200-68	0.0713	0.712	2.42	3.99	1.277	2.367	0.254	0.597	3.696	1.034	20.42	4347	3.54	0.973	29.12	5350	1.206	1.746	-1.031	0.644	2.65	0.849
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	2.51	-1.016	0.635	2.659	0.854
600T200-118	0.1242	1.239	4.21	7.122	2.214	2.398	0.426	0.586	7.122	2.17	42.88	8936	7.122	2.051	61.42	13539	6.369	3.083	-1.006	0.628	2.665	0.858
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		0.336	2.004	-1.436	0.878	2.925	0.759			
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	2.523	-1.43	0.874	2.927	0.761
600T250-68	0.0713	0.783	2.67	4.67	1.495	2.442	0.472	0.776	4.065	1.085	21.45	4347	3.871	1.017	30.46	5350	1.327	3.198	-1.422	0.869	2.93	0.764
600T250-97	0.1017</td																					

# STRUCTURAL TRACK SECTION PROPERTIES

Section	Gross Properties								Effective Properties Fy = 33 ksi					Effective Properties Fy = 50 ksi					Torsional Properties			
	Thickness (in)	Area (in <sup>2</sup> )	Weight (lb/ft)	Ixx (in <sup>4</sup> )	Sxx (in <sup>3</sup> )	Rx (in)	Iyy (in <sup>4</sup> )	Ry (in)	Ixx (in <sup>4</sup> )	Sxx (in <sup>3</sup> )	MaFy (in-k)	Va (lb)	Ixx (in <sup>4</sup> )	Sxx (in <sup>3</sup> )	MaFy (in-k)	Va (lb)	J (in <sup>4</sup> )	Cw (in <sup>6</sup> )	Xo (in)	m (in)	Ro (in)	B
<b>600T300-54</b>	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	4.129	-1.842	1.105	3.243	0.677
<b>600T300-68</b>	0.0713	0.854	2.91	5.35	1.712	2.502	0.778	0.954	4.389	1.126	22.25	4347	4.164	1.053	31.53	5350	1.448	5.239	-1.834	1.1	3.246	0.681
<b>600T300-97</b>	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	4.2	7.582	-1.816	1.089	3.251	0.688
<b>600T300-118</b>	0.1242	1.487	5.06	9.595	2.982	2.54	1.325	0.944	9.157	2.471	48.82	8936	8.734	2.291	68.59	13539	7.646	9.359	-1.803	1.082	3.255	0.693
<b>600T400-68</b>	0.0713	0.997	3.39	6.711	2.148	2.594	1.702	1.306	4.943	1.187	23.45	4347	4.665	1.107	33.15	5350	1.69	11.435	-2.697	1.573	3.964	0.537
<b>600T400-97</b>	0.1017	1.422	4.84	9.751	3.068	2.619	2.405	1.301	8.042	1.975	39.03	7359	7.574	1.824	54.62	10885	4.901	16.604	-2.678	1.562	3.965	0.544
<b>600T400-118</b>	0.1242	1.735	5.91	12.068	3.751	2.637	2.916	1.296	10.593	2.651	52.39	8936	9.994	2.439	73.03	13539	8.924	20.542	-2.664	1.554	3.966	0.549
<b>725T125-27<sup>1</sup></b>	0.0283	0.276	0.94	1.855	0.502	2.593	0.029	0.323	1.471	0.258	5.09	281		0.074	0.301	-0.467	0.31	2.654	0.969			
<b>725T125-30<sup>1</sup></b>	0.0312	0.304	1.03	2.045	0.553	2.593	0.032	0.323	1.688	0.306	6.04	377		0.099	0.33	-0.466	0.31	2.654	0.969			
<b>725T125-33<sup>1</sup></b>	0.0346	0.337	1.15	2.268	0.613	2.593	0.035	0.322	1.946	0.365	7.22	514		0.135	0.365	-0.465	0.309	2.654	0.969			
<b>725T125-43</b>	0.0451	0.439	1.49	2.955	0.797	2.593	0.045	0.32	2.763	0.573	11.32	1137		0.298	0.471	-0.462	0.307	2.654	0.97			
<b>725T125-54</b>	0.0566	0.551	1.88	3.718	0.998	2.597	0.056	0.318	3.666	0.837	16.54	2252	3.51	0.737	22.06	2252	0.589	0.589	-0.458	0.304	2.656	0.97
<b>725T125-68</b>	0.0713	0.694	2.36	4.702	1.254	2.603	0.069	0.315	4.702	1.198	23.68	4347	4.667	1.081	32.37	4516	1.176	0.738	-0.452	0.301	2.661	0.971
<b>725T125-97</b>	0.1017	0.989	3.37	6.761	1.778	2.614	0.095	0.31	6.761	1.778	40.15	8843	6.761	1.778	53.23	10885	3.411	1.042	-0.442	0.293	2.669	0.973
<b>725T125-118</b>	0.1242	1.208	4.11	8.303	2.161	2.622	0.113	0.305	8.303	2.161	50.08	10857	8.303	2.161	74.33	16235	6.209	1.262	-0.434	0.288	2.675	0.974
<b>725T150-27<sup>1</sup></b>	0.0283	0.29	0.99	2.047	0.554	2.656	0.048	0.409	1.546	0.262	5.17	281		0.077	0.493	-0.623	0.407	2.759	0.949			
<b>725T150-30<sup>1</sup></b>	0.0312	0.32	1.09	2.256	0.611	2.656	0.053	0.408	1.776	0.311	6.14	377		0.104	0.543	-0.622	0.406	2.759	0.949			
<b>725T150-33<sup>1</sup></b>	0.0346	0.355	1.21	2.502	0.677	2.657	0.059	0.407	2.053	0.372	7.36	514		0.141	0.601	-0.62	0.406	2.758	0.949			
<b>725T150-43</b>	0.0451	0.462	1.57	3.26	0.88	2.657	0.076	0.406	2.934	0.587	11.6	1137		0.313	0.777	-0.617	0.403	2.758	0.95			
<b>725T150-54</b>	0.0566	0.579	1.97	4.104	1.102	2.661	0.094	0.403	3.923	0.864	17.07	2252	3.732	0.756	22.63	2252	0.619	0.972	-0.612	0.401	2.761	0.951
<b>725T150-68</b>	0.0713	0.73	2.48	5.194	1.385	2.668	0.117	0.401	5.129	1.251	24.71	4347	5.002	1.118	33.48	4516	1.237	1.222	-0.607	0.397	2.765	0.952
<b>725T150-97</b>	0.1017	1.04	3.54	7.477	1.966	2.681	0.162	0.395	7.477	1.966	38.85	8843	7.477	1.895	56.75	10885	3.586	1.735	-0.595	0.389	2.774	0.954
<b>725T150-118</b>	0.1242	1.27	4.32	9.19	2.392	2.69	0.193	0.39	9.19	2.392	54.14	10857	9.19	2.392	80.59	16235	6.529	2.112	-0.586	0.383	2.781	0.956
<b>725T200-33<sup>1</sup></b>	0.0346	0.389	1.32	2.971	0.803	2.763	0.132	0.583	2.465	0.4	7.91	514		0.155	1.307	-0.962	0.612	2.983	0.896			
<b>725T200-43</b>	0.0451	0.507	1.73	3.872	1.045	2.764	0.171	0.581	3.307	0.678	13.39	1137		0.344	1.695	-0.958	0.61	2.982	0.897			
<b>725T200-54</b>	0.0566	0.636	2.16	4.877	1.31	2.769	0.213	0.579	4.319	1.007	19.9	2252	4.188	0.881	26.37	2252	0.679	2.127	-0.953	0.607	2.985	0.898
<b>725T200-68</b>	0.0713	0.801	2.73	6.178	1.647	2.777	0.266	0.576	5.749	1.359	26.86	4347	5.526	1.287	38.54	4516	1.357	2.684	-0.946	0.602	2.99	0.9
<b>725T200-97</b>	0.1017	1.142	3.89	8.908	2.342	2.793	0.371	0.57	8.881	2.166	42.8	8843	8.593	2.048	61.33	10885	3.937	3.839	-0.933	0.594	2.999	0.903
<b>725T200-118</b>	0.1242	1.394	4.74	10.965	2.854	2.805	0.445	0.565	10.965	2.802	55.37	10857	10.965	2.662	79.69	16235	7.167	4.698	-0.923	0.587	3.006	0.906
<b>725T250-43</b>	0.0451	0.552	1.88	4.484	1.21	2.85	0.318	0.759	3.602	0.673	13.3	1137		0.374	3.092	-1.33	0.828	3.235	0.831			
<b>725T250-54</b>	0.0566	0.693	2.36	5.65	1.517	2.856	0.397	0.757	4.693	1.052	20.78	2252	4.564	0.874	26.16	2252	0.74	3.887	-1.324	0.825	3.238	0.833
<b>725T250-68</b>	0.0713	0.872	2.97	7.161	1.91	2.865	0.496	0.754	6.285	1.426	28.17	4347	6.011	1.345	40.28	4516	1.478	4.914	-1.317	0.82	3.242	0.835
<b>725T250-97</b>	0.1017	1.244	4.23	10.34	2.719	2.884	0.696	0.748	9.863	2.3	45.45	8843	9.457	2.159	64.65	10885	4.287	7.061	-1.302	0.811	3.251	0.84
<b>725T250-118</b>	0.1242	1.518	5.17	12.74	3.316	2.897	0.839	0.744	12.655	3.014	59.56	10857	12.2	2.831	84.76	16235	7.806	8.667	-1.291	0.804	3.257	0.843
<b>725T300-54</b>	0.0566	0.749	2.55	6.424	1.725	2.928	0.657	0.936	5.034	1.075	21.25	2252	4.905	0.868	25.99	2252	0.8	6.354	-1.718	1.05	3.521	0.762
<b>725T300-68</b>	0.0713	0.944	3.21	8.145	2.172	2.938	0.822	0.933	6.761	1.478	29.21	4347	6.444	1.392	41.68	4516	1.599	8.044	-1.71	1.046	3.525	0.765
<b>725T300-97</b>	0.1017	1.345	4.58	11.772	3.095	2.958	1.157	0.927	10.717	2.403	47.49	8843	10.216	2.246	67.26	10885	4.638	11.589	-1.693	1.035	3.532	0.77
<b>725T300-118</b>	0.1242	1.642	5.59	14.515	3.778	2.973	1.398	0.923	13.873	3.173	62.7	10857	13.268	2.96	88.64	16235	8.445	14.256	-1.681	1.028	3.538	0.774
<b>725T400-68</b>	0.0713	1.086	3.7	10.112	2.697	3.051	1.805	1.289	7.582	1.559	30.81	4347	7.256	1.379	41.29	4516	1.841	17.505	-2.542	1.51	4.175	0.629
<b>725T400-97</b>	0.1017	1.549	5.27	14.635	3.848	3.074	2.55	1.283	12.177	2.556	50.51	8843	11.522	2.378	71.19	10885	5.339	25.302	-2.524	1.5	4.18	0.635
<b>725T400-118</b>	0.1242	1.891	6.43	18.064	4.701	3.091	3.092	1.279	15.935	3.402	67.22	10857	15.091	3.151	94.35	16235	9.722	31.2	-2.511	1.492	4.183	0.64
<b>800T125-30<sup>3</sup></b>	0.0312	0.328	1.11	2.611	0.339	2.824	0.032	0.314	2.113	0.339	6.71	341	-	-	-	0.106	0.413	-0.44	-	2.875	0.977	
<b>800T125-33<sup>3</sup></b>	0.0346	0.363	1.24	2.895	0.407	2.824	0.036	0.313	2.441	0.407	8.03	465	-	-	-	0.145	0.456	-0.439	-	2.875	0.977	
<b>800T125-43</b>	0.0451	0.473	1.61	3.773																		

# STRUCTURAL TRACK SECTION PROPERTIES

Section	Gross Properties						Effective Properties Fy = 33 ksi						Effective Properties Fy = 50 ksi						Torsional Properties			
	Thickness (in)	Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	R <sub>x</sub> (in)	I <sub>yy</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	MaFy (in-k)	V <sub>a</sub> (lb)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	MaFy (in-k)	V <sub>a</sub> (lb)	J (in <sup>4</sup> )	C <sub>w</sub> (in <sup>6</sup> )	X <sub>o</sub> (in)	m (in)	R <sub>o</sub> (in)	B
800T200-33 <sup>1</sup>	0.0346	0.415	1.41	3.749	0.921	3.005	0.135	0.571	2.788	0.424	2.788	8.37		0.166	1.638	-0.917	0.589	3.194	0.918			
800T200-43	0.0451	0.541	1.84	4.887	1.197	3.006	0.175	0.569	4.043	0.676	13.35	1030		0.367	2.124	-0.913	0.587	3.193	0.918			
800T200-54	0.0566	0.679	2.31	6.152	1.501	3.011	0.218	0.567	5.505	1.009	19.93	2039	5.149	0.871	26.09	2039	0.725	2.664	-0.908	0.584	3.196	0.919
800T200-68	0.0713	0.854	2.91	7.786	1.888	3.019	0.272	0.564	7.306	1.49	29.45	4087	7.051	1.31	39.22	4087	1.448	3.357	-0.902	0.58	3.201	0.921
800T200-97	0.1017	1.218	4.15	11.212	2.683	3.034	0.379	0.558	11.176	2.491	49.22	8843	10.833	2.347	70.27	10885	4.2	4.792	-0.889	0.571	3.21	0.923
800T200-118	0.1242	1.487	5.06	13.785	3.269	3.045	0.455	0.553	13.785	3.212	63.48	12009	13.785	3.059	91.59	16235	7.646	5.854	-0.879	0.565	3.217	0.925
800T250-43	0.0451	0.586	1.99	5.629	1.38	3.1	0.326	0.746	4.593	0.739	14.6	1030		0.397	3.877	-1.274	0.801	3.433	0.862			
800T250-54	0.0566	0.735	2.5	7.09	1.73	3.106	0.407	0.744	5.948	1.193	23.57	2039	5.816	0.959	28.71	2039	0.785	4.87	-1.268	0.798	3.436	0.864
800T250-68	0.0713	0.926	3.15	8.978	2.177	3.114	0.509	0.741	7.917	1.648	32.57	4087	7.588	1.56	46.72	4087	1.569	6.151	-1.261	0.793	3.441	0.866
800T250-97	0.1017	1.32	4.49	12.944	3.098	3.132	0.713	0.735	12.361	2.641	52.19	8843	11.872	2.487	74.47	10885	4.55	8.818	-1.247	0.784	3.45	0.869
800T250-118	0.1242	1.611	5.48	15.93	3.777	3.144	0.86	0.731	15.822	3.448	68.14	12009	15.272	3.248	97.26	16235	8.285	10.807	-1.236	0.777	3.457	0.872
800T300-33 <sup>1</sup>	0.0346	0.484	1.65	4.887	1.2	3.177	0.416	0.927			0.193	4.872	-1.662	1.026	3.703	0.799						
800T300-43	0.0451	0.631	2.15	6.372	1.562	3.178	0.54	0.925			0.428	6.33	-1.657	1.024	3.702	0.8						
800T300-54	0.0566	0.792	2.69	8.028	1.958	3.184	0.675	0.923	6.396	1.178	23.28	2039	6.237	0.956	28.62	2039	0.845	7.96	-1.652	1.02	3.704	0.801
800T300-68	0.0713	0.997	3.39	10.171	2.466	3.194	0.844	0.92	8.497	1.709	33.76	4087	8.16	1.548	46.36	4087	1.69	10.067	-1.644	1.015	3.708	0.803
800T300-97	0.1017	1.422	4.84	14.676	3.513	3.213	1.188	0.914	13.395	2.757	54.49	8843	12.794	2.586	77.43	10885	4.901	14.472	-1.628	1.006	3.716	0.808
800T300-118	0.1242	1.735	5.91	18.074	4.286	3.227	1.436	0.91	17.291	3.626	71.65	12009	16.563	3.394	101.63	16235	8.924	17.775	-1.617	0.998	3.722	0.811
800T400-68	0.0713	1.14	3.88	12.555	3.044	3.319	1.859	1.277	9.505	1.802	35.62	4087	9.18	1.52	45.51	4087	1.931	21.882	-2.458	1.475	4.323	0.677
800T400-97	0.1017	1.625	5.53	18.141	4.342	3.341	2.626	1.271	15.169	2.932	57.93	8843	14.387	2.737	81.95	10885	5.602	31.564	-2.441	1.464	4.329	0.682
800T400-118	0.1242	1.984	6.75	22.363	5.303	3.357	3.184	1.267	19.784	3.885	76.76	12009	18.774	3.612	108.14	16235	10.201	38.863	-2.428	1.457	4.333	0.686
925T125-43 <sup>1</sup>	0.0451	0.53	1.8	5.436	1.155	3.204	0.047	0.297	4.902	0.752	14.86	890		0.359	0.817	-0.399	0.27	3.243	0.985			
925T125-54	0.0566	0.664	2.26	6.834	1.447	3.207	0.058	0.296	6.607	1.112	21.98	1761	6.228	0.968	28.99	1761	0.709	1.018	-0.395	0.268	3.245	0.985
925T125-68	0.0713	0.837	2.85	8.632	1.817	3.212	0.072	0.293	8.632	1.621	32.04	3528	8.429	1.44	43.11	3528	1.418	1.273	-0.391	0.265	3.249	0.986
925T125-97	0.1017	1.193	4.06	12.377	2.577	3.221	0.099	0.288	12.377	2.577	58.21	8843	12.377	2.495	74.71	10291	4.112	1.787	-0.381	0.258	3.257	0.986
925T125-118	0.1242	1.456	4.95	15.171	3.133	3.228	0.117	0.283	15.171	3.133	72.61	13189	15.171	3.133	107.78	16235	7.487	2.156	-0.375	0.254	3.262	0.987
925T150-43 <sup>1</sup>	0.0451	0.552	1.88	5.931	1.26	3.278	0.079	0.379	5.17	0.769	15.19	890		0.374	1.351	-0.538	0.359	3.343	0.974			
925T150-54	0.0566	0.693	2.36	7.458	1.579	3.281	0.099	0.377	7.013	1.144	22.61	1761	6.575	0.991	29.66	1761	0.74	1.688	-0.534	0.357	3.346	0.975
925T150-68	0.0713	0.872	2.97	9.424	1.984	3.287	0.122	0.374	9.362	1.683	33.26	3528	8.962	1.484	44.42	3528	1.478	2.117	-0.529	0.353	3.35	0.975
925T150-97	0.1017	1.244	4.23	13.526	2.816	3.298	0.169	0.369	13.526	2.816	55.65	8843	13.526	2.636	78.91	10291	4.287	2.99	-0.518	0.346	3.359	0.976
925T150-118	0.1242	1.518	5.17	16.59	3.426	3.306	0.202	0.365	16.59	3.426	77.55	13189	16.59	3.426	115.44	16235	7.806	3.624	-0.511	0.341	3.365	0.977
925T200-43 <sup>1</sup>	0.0451	0.597	2.03	6.92	1.471	3.404	0.18	0.55	5.628	0.791	15.64	890		0.405	2.962	-0.848	0.553	3.551	0.943			
925T200-54	0.0566	0.749	2.55	8.706	1.843	3.409	0.225	0.547	7.706	1.188	23.47	1761	7.168	1.021	30.57	1761	0.8	3.711	-0.843	0.55	3.554	0.944
925T200-68	0.0713	0.944	3.21	11.009	2.318	3.416	0.28	0.545	10.412	1.769	34.95	3528	9.868	1.544	46.22	3528	1.599	4.671	-0.837	0.546	3.559	0.945
925T200-97	0.1017	1.345	4.58	15.822	3.294	3.429	0.391	0.539	15.769	3.075	60.76	8843	15.362	2.805	83.99	10291	4.638	6.647	-0.825	0.538	3.568	0.947
925T200-118	0.1242	1.642	5.59	19.428	4.012	3.439	0.469	0.534	19.428	3.948	78.01	13189	19.423	3.773	112.98	16235	8.445	8.102	-0.816	0.532	3.575	0.948
925T250-43 <sup>1</sup>	0.0451	0.642	2.19	7.909	1.681	3.509	0.338	0.725	6.597	0.849	16.79	890		0.435	5.414	-1.191	0.76	3.776	0.901			
925T250-54	0.0566	0.806	2.74	9.954	2.107	3.515	0.421	0.723	8.526	1.356	26.79	1761	8.343	1.101	32.97	1761	0.861	6.795	-1.186	0.757	3.779	0.902
925T250-68	0.0713	1.015	3.45	12.593	2.651	3.523	0.526	0.72	11.182	2.049	40.5	3528	10.855	1.781	53.33	3528	1.72	8.569	-1.179	0.752	3.784	0.903
925T250-97	0.1017	1.447	4.92	18.119	3.772	3.539	0.738	0.714	17.337	3.252	64.26	8843	16.692	3.077	92.13	10291	4.989	12.249	-1.166	0.744	3.794	0.906
925T250-118	0.1242	1.767	6.01	22.266	4.598	3.55	0.89	0.71	22.112	4.224	83.47	13189	21.385	3.997	119.66	16235	9.083	14.98	-1.156	0.737	3.801	0.908
925T300-54	0.0566	0.862	2.93	11.202	2.371	3.604	0.7	0.901	9.136	1.349	26.66	1761	8.919	1.102	33.01	1761	0.921	11.108	-1.553	0.973	4.026	0.851
925T300-68	0.0713	1.086	3.7	14.178	2.985	3.613	0.877	0.898	11.961	2.123	41.96	3528	11.637	1.771	53.01	3528	1.841	14.029	-1.546	0.969	4.031	0.853
925T300-97	0.1017	1.549	5.27	20.416	4.251	3.631	1.233	0.892	18.708	3.391	67.01	8843	17.92	3.197	95.71	10291	5.339	20.111	-1.531	0.959	4.04	0.856
925																						

# STRUCTURAL TRACK SECTION PROPERTIES

Section	Gross Properties						Effective Properties Fy = 33 ksi						Effective Properties Fy = 50 ksi						Torsional Properties			
	Thickness (in)	Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	R <sub>x</sub> (in)	I <sub>yy</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	MaFy (in-k)	V <sub>a</sub> (lb)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	MaFy (in-k)	V <sub>a</sub> (lb)	J (in <sup>4</sup> )	C <sub>w</sub> (in <sup>6</sup> )	X <sub>o</sub> (in)	m (in)	R <sub>o</sub> (in)	B
1000T125-43 <sup>1</sup>	0.0451	0.563	1.92	6.63	1.305	3.431	0.047	0.29	5.886	0.819	16.19	822		0.382	0.973	-0.379	0.259	3.464	0.988			
1000T125-54	0.0566	0.707	2.41	8.333	1.634	3.434	0.059	0.288	7.96	1.216	24.03	1628	7.479	1.055	31.59	1628	0.755	1.212	-0.376	0.256	3.466	0.988
1000T125-68	0.0713	0.89	3.03	10.522	2.053	3.438	0.073	0.286	10.452	1.781	35.19	3261	10.155	1.575	47.15	3261	1.508	1.515	-0.372	0.253	3.47	0.989
1000T125-97	0.1017	1.269	4.32	15.077	2.912	3.447	0.1	0.28	15.077	2.907	57.44	8843	15.077	2.753	82.42	9507	4.375	2.123	-0.363	0.247	3.477	0.989
1000T125-118	0.1242	1.549	5.27	18.471	3.54	3.453	0.118	0.276	18.471	3.54	82.05	13189	18.471	3.535	105.85	16235	7.966	2.558	-0.357	0.243	3.482	0.99
1000T150-33 <sup>1</sup>	0.0346	0.45	1.53	5.531	1.09	3.507	0.062	0.372			0.179	1.247	-0.516	0.347	3.565	0.979						
1000T150-43 <sup>1</sup>	0.0451	0.586	1.99	7.207	1.419	3.507	0.08	0.37	6.195	0.837	16.54	822		0.397	1.612	-0.513	0.345	3.564	0.979			
1000T150-54	0.0566	0.735	2.5	9.061	1.777	3.511	0.1	0.368	8.43	1.249	24.69	1628	7.88	1.079	32.29	1628	0.785	2.013	-0.509	0.342	3.567	0.98
1000T150-68	0.0713	0.926	3.15	11.445	2.233	3.516	0.124	0.366	11.342	1.846	36.48	3261	10.774	1.621	48.53	3261	1.569	2.522	-0.505	0.339	3.571	0.98
1000T150-97	0.1017	1.32	4.49	16.413	3.17	3.526	0.171	0.36	16.413	3.165	62.54	8843	16.413	2.902	86.9	9507	4.55	3.557	-0.495	0.332	3.579	0.981
1000T150-118	0.1242	1.611	5.48	20.121	3.857	3.534	0.204	0.356	20.121	3.857	87.3	13189	20.121	3.852	115.32	16235	8.285	4.307	-0.488	0.328	3.585	0.982
1000T200-33 <sup>1</sup>	0.0346	0.484	1.65	6.416	1.265	3.64	0.142	0.541			0.193	2.732	-0.817	0.536	3.769	0.953						
1000T200-43 <sup>1</sup>	0.0451	0.631	2.15	8.361	1.646	3.64	0.183	0.539	6.722	0.861	17.01	822		0.428	3.54	-0.813	0.534	3.769	0.953			
1000T200-54	0.0566	0.792	2.69	10.516	2.062	3.645	0.228	0.537	9.231	1.295	25.6	1628	8.56	1.111	33.26	1628	0.845	4.434	-0.809	0.531	3.772	0.954
1000T200-68	0.0713	0.997	3.39	13.292	2.594	3.651	0.284	0.534	12.551	1.936	38.26	3261	11.82	1.684	50.42	3261	1.69	5.576	-0.803	0.527	3.776	0.955
1000T200-97	0.1017	1.422	4.84	19.087	3.686	3.664	0.397	0.528	19.031	3.427	67.72	8843	18.583	3.081	92.25	9507	4.901	7.924	-0.791	0.519	3.786	0.956
1000T200-118	0.1242	1.735	5.91	23.422	4.489	3.674	0.476	0.524	23.422	4.42	87.35	13189	23.422	4.208	125.99	16235	8.924	9.649	-0.783	0.514	3.793	0.957
1000T250-43 <sup>1</sup>	0.0451	0.676	2.3	9.515	1.873	3.751	0.344	0.713	7.172	0.876	17.32	822		0.458	6.477	-1.147	0.737	3.987	0.917			
1000T250-54	0.0566	0.848	2.89	11.972	2.348	3.757	0.429	0.711	9.913	1.326	26.2	1628	9.141	1.132	33.89	1628	0.906	8.125	-1.142	0.734	3.99	0.918
1000T250-68	0.0713	1.068	3.64	15.138	2.954	3.764	0.536	0.708	13.578	1.997	39.46	3261	12.708	1.726	51.68	3261	1.81	10.24	-1.135	0.73	3.995	0.919
1000T250-97	0.1017	1.523	5.18	21.76	4.202	3.78	0.751	0.702	20.871	3.596	71.05	8843	20.254	3.201	95.84	9507	5.252	14.617	-1.122	0.721	4.005	0.921
1000T250-118	0.1242	1.86	6.33	26.723	5.122	3.791	0.905	0.698	26.538	4.721	93.29	13189	25.721	4.422	132.38	16235	9.562	17.858	-1.112	0.715	4.012	0.923
1000T300-33 <sup>1</sup>	0.0346	0.553	1.88	8.184	1.613	3.845	0.441	0.892			0.221	8.147	-1.509	0.953	4.226	0.872						
1000T300-43 <sup>1</sup>	0.0451	0.721	2.45	10.669	2.1	3.846	0.572	0.891			0.489	10.582	-1.505	0.95	4.225	0.873						
1000T300-54 <sup>1</sup>	0.0451	0.721	2.45	10.669	2.1	3.846	0.572	0.891														
1000T300-68	0.0566	0.905	3.08	13.427	2.633	3.852	0.714	0.888	11.083	1.452	28.69	1628	10.826	1.191	35.65	1628	0.966	13.289	-1.5	0.947	4.228	0.874
1000T300-97	0.0713	1.14	3.88	16.985	3.314	3.86	0.893	0.885	14.416	2.377	46.96	3261	14.106	1.904	57.01	3261	1.931	16.771	-1.493	0.943	4.233	0.876
1000T300-118	0.1017	1.14	3.88	16.985	3.314	3.86	0.893	0.885	14.416	2.377	46.96	3261	14.106	1.904	57.01	3261	1.931	16.771	-1.493	0.943	4.233	0.876
1000T300-97	0.1017	1.625	5.53	24.434	4.719	3.878	1.257	0.879	22.441	3.798	75.04	8843	21.53	3.589	107.45	9507	5.602	24.009	-1.478	0.934	4.242	0.879
1000T300-118	0.1242	1.984	6.75	30.024	5.755	3.89	1.519	0.875	28.792	4.95	97.82	13189	27.68	4.668	139.76	16235	10.201	29.395	-1.468	0.927	4.249	0.881
1000T400-68	0.0713	1.282	4.36	20.678	4.035	4.016	1.982	1.243	16.172	2.33	46.04	3261	15.757	1.894	56.72	3261	2.173	36.414	-2.262	1.388	4.774	0.775
1000T400-97	0.1017	1.828	6.22	29.781	5.751	4.036	2.799	1.237	25.207	4.032	79.68	8843	24.036	3.795	113.63	9507	6.304	52.31	-2.246	1.378	4.782	0.779
1000T400-97	0.1017	1.828	6.22	29.781	5.751	4.036	2.799	1.237	25.207	4.032	79.68	8843	24.036	3.795	113.63	9507	6.304	52.31	-2.246	1.378	4.782	0.779
1000T400-118	0.1242	2.232	7.6	36.626	7.02	4.051	3.392	1.233	32.638	5.292	104.58	13189	31.116	4.96	148.5	16235	11.478	64.212	-2.234	1.371	4.787	0.782
1200T125-97	0.1017	1.472	5.01	24.078	3.897	4.044	0.102	0.263	24.078	3.69	72.92	7902	23.751	3.442	103.06	7902	5.076	3.171	-0.322	0.222	4.065	0.994
1200T125-118	0.1242	1.798	6.12	29.472	4.74	4.049	0.121	0.259	29.472	4.74	93.67	13189	29.472	4.49	134.44	14434	9.243	3.812	-0.316	0.218	4.07	0.994
1200T150-33 <sup>1</sup>	0.0346	0.519	1.77	8.782	1.446	4.114	0.064	0.351									0.207	1.881	-0.461	0.314	4.155	0.988
1200T150-43 <sup>1</sup>	0.0451	0.676	2.3	11.442	1.882	4.114	0.083	0.35									0.458	2.431	-0.458	0.312	4.154	0.988
1200T150-54 <sup>1</sup>	0.0566	0.848	2.89	14.378	2.357	4.117	0.103	0.348	12.962	1.53	30.23	1354	12.02	1.313	39.31	1354	0.906	3.033	-0.454	0.31	4.156	0.988
1200T150-68	0.0713	1.068	3.64	18.148	2.963	4.121	0.127	0.345	17.568	2.281	45.08	2713	16.566	1.987	59.48	2713	1.81	3.795	-0.45	0.307	4.16	0.988
1200T150-97	0.1017	1.523	5.18	25.987	4.206	4.13	0.176	0.34	25.987	3.996	78.97	7902	25.719	3.616	108.27	7902	5.252	5.335	-0.441	0.301	4.168	0.989
1200T150-118	0.1242	1.86	6.33	31.825	5.119	4.137	0.21	0.336	31.825	5.119	101.15	13189	31.825	4.865	145.66	14434	9.562	6.444	-0.435	0.296	4.173	0.989
1200T200-33 <sup>1</sup>	0.0346	0.553	1.88	10.051	1.655	4.261	0.146	0.514									0.221	4.143	-0.737	0.491	4.355	0.971
1200T200-43 <sup>1</sup>	0.0451	0.721	2.45	13.097	2.154	4.262	0.189	0.512														

# STRUCTURAL TRACK SECTION PROPERTIES

Section	Gross Properties						Effective Properties Fy = 33 ksi						Effective Properties Fy = 50 ksi						Torsional Properties				
	Thickness (in)	Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	R <sub>x</sub> (in)	I <sub>yy</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	MaFy (in-k)	V <sub>a</sub> (lb)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	MaFy (in-k)	V <sub>a</sub> (lb)	J (in <sup>4</sup> )	C <sub>w</sub> (in <sup>6</sup> )	X <sub>o</sub> (in)	m (in)	R <sub>o</sub> (in)	B	
1200T250-54 <sup>1</sup>	0.0566	0.962	3.27	18.55	3.041	4.392	0.445	0.681	15.021	1.617	31.95	1354	13.756	1.374	41.14	1354	1.027	12.339	-1.039	0.68	4.565	0.948	
1200T250-68	0.0713	1.211	4.12	23.435	3.826	4.399	0.556	0.678	20.72	2.451	48.44	2713	19.255	2.106	63.04	2713	2.052	15.529	-1.033	0.676	4.569	0.949	
1200T250-97	0.1017	1.727	5.88	33.623	5.442	4.413	0.78	0.672	32.479	4.489	88.7	7902	31.31	3.954	118.37	7902	5.953	22.101	-1.021	0.668	4.579	0.95	
1200T250-118	0.1242	2.108	7.17	41.236	6.632	4.423	0.94	0.668	40.963	6.138	121.28	13189	39.954	5.519	165.24	14434	10.839	26.943	-1.013	0.662	4.586	0.951	
1200T300-33 <sup>1</sup>	0.0346	0.623	2.12	12.588	2.073	4.496	0.46	0.859										0.248	12.405	-1.384	0.889	4.782	0.916
1200T300-43 <sup>1</sup>	0.0451	0.811	2.76	16.408	2.698	4.497	0.597	0.857										0.55	16.11	-1.38	0.887	4.781	0.917
1200T300-54 <sup>1</sup>	0.0566	1.018	3.46	20.636	3.383	4.502	0.745	0.855	15.856	1.641	32.44	1354	14.451	1.391	41.65	1354	1.087	20.211	-1.375	0.884	4.784	0.917	
1200T300-68	0.0713	1.282	4.36	26.079	4.258	4.51	0.932	0.852	21.991	2.501	49.41	2713	20.338	2.14	64.06	2713	2.173	25.471	-1.369	0.88	4.789	0.918	
1200T300-97	0.1017	1.828	6.22	37.441	6.06	4.525	1.31	0.847	34.841	4.629	91.46	7902	33.377	4.051	121.3	7902	6.304	36.357	-1.355	0.871	4.799	0.92	
1200T300-118	0.1242	2.232	7.6	45.941	7.389	4.537	1.583	0.842	44.194	6.386	126.18	13189	42.885	5.695	170.51	14434	11.478	44.42	-1.346	0.865	4.806	0.922	
1200T400-68	0.0713	1.425	4.85	31.366	5.121	4.692	2.08	1.208	25.284	2.769	54.71	2713	24.674	2.27	67.95	2713	2.415	55.338	-2.098	1.311	5.279	0.842	
1200T400-97	0.1017	2.032	6.91	45.077	7.296	4.71	2.936	1.202	38.563	5.274	104.22	7902	37.171	4.725	141.46	7902	7.005	79.27	-2.082	1.301	5.288	0.845	
1200T400-118	0.1242	2.481	8.44	55.352	8.903	4.724	3.559	1.198	49.649	6.871	135.78	13189	47.518	6.48	194.02	14434	12.755	97.107	-2.071	1.294	5.295	0.847	
1350T125-54 <sup>1</sup>	0.0566	0.905	3.08	18.15	2.65	4.479	0.061	0.259	16.262	1.698	33.55	1203	15.078	1.459	43.69	1203	0.966	2.362	-0.307	0.214	4.497	0.995	
1350T125-68	0.0713	1.14	3.88	22.894	3.33	4.482	0.075	0.257	21.58	2.526	49.91	2409	20.753	2.203	65.96	2409	1.931	2.944	-0.303	0.211	4.5	0.995	
1350T125-97	0.1017	1.625	5.53	32.74	4.726	4.489	0.103	0.252	32.677	4.282	84.62	7014	31.658	3.961	118.59	7014	5.602	4.105	-0.296	0.206	4.505	0.996	
1350T125-118	0.1242	1.984	6.75	40.054	5.749	4.493	0.123	0.249	40.054	5.577	110.2	12808	39.969	5.212	156.05	12808	10.201	4.928	-0.291	0.202	4.51	0.996	
1350T150-54 <sup>1</sup>	0.0566	0.933	3.18	19.467	2.842	4.567	0.104	0.334	17.098	1.74	34.38	1203	15.773	1.489	44.57	1203	0.997	3.947	-0.421	0.289	4.599	0.992	
1350T150-68	0.0713	1.175	4	24.562	3.573	4.571	0.129	0.332	23.293	2.608	51.53	2409	21.855	2.261	67.68	2409	1.992	4.933	-0.417	0.286	4.602	0.992	
1350T150-97	0.1017	1.676	5.7	35.144	5.073	4.579	0.179	0.327	35.067	4.624	91.38	7014	34.16	4.153	124.33	7014	5.778	6.924	-0.408	0.281	4.609	0.992	
1350T150-118	0.1242	2.046	6.96	43.016	6.174	4.585	0.213	0.323	43.016	6	118.55	12808	42.912	5.631	168.58	12808	10.52	8.353	-0.402	0.276	4.614	0.992	
1350T200-54 <sup>1</sup>	0.0566	0.99	3.37	22.1	3.227	4.725	0.24	0.493	18.481	1.797	35.5	1203	16.933	1.529	45.78	1203	1.057	8.769	-0.68	0.458	4.799	0.98	
1350T200-68	0.0713	1.247	4.24	27.896	4.058	4.73	0.299	0.49	25.437	2.719	53.72	2409	23.666	2.339	70.02	2409	2.113	11.002	-0.675	0.455	4.803	0.98	
1350T200-97	0.1017	1.778	6.05	39.954	5.767	4.741	0.418	0.485	39.954	4.955	97.91	7014	38.298	4.374	130.95	7014	6.128	15.561	-0.666	0.448	4.812	0.981	
1350T200-118	0.1242	2.17	7.38	48.938	7.024	4.749	0.501	0.481	48.938	6.745	133.29	12808	48.938	6.084	182.17	12808	11.159	18.883	-0.658	0.443	4.818	0.981	
1350T250-54 <sup>1</sup>	0.0566	1.046	3.56	24.733	3.611	4.862	0.455	0.66	19.647	1.834	36.25	1203	17.905	1.556	46.57	1203	1.117	16.152	-0.974	0.644	5.002	0.962	
1350T250-68	0.0713	1.318	4.48	31.231	4.543	4.868	0.569	0.657	27.222	2.792	55.18	2409	25.18	2.39	71.56	2409	2.233	20.311	-0.969	0.64	5.007	0.963	
1350T250-97	0.1017	1.879	6.39	44.764	6.461	4.881	0.797	0.651	43.449	5.161	101.99	7014	41.227	4.519	135.3	7014	6.479	28.858	-0.957	0.633	5.016	0.964	
1350T250-118	0.1242	2.294	7.81	54.86	7.874	4.89	0.961	0.647	54.611	7.112	140.55	12808	53.395	6.346	189.99	12808	11.797	35.137	-0.949	0.627	5.023	0.964	
1350T300-54 <sup>1</sup>	0.0566	1.103	3.75	27.366	3.996	4.981	0.764	0.832	20.668	1.862	36.79	1203	18.754	1.574	47.14	1203	1.178	26.494	-1.295	0.842	5.213	0.938	
1350T300-68	0.0713	1.389	4.73	34.566	5.028	4.988	0.955	0.829	28.793	2.846	56.23	2409	26.515	2.427	72.67	2409	2.354	33.361	-1.289	0.838	5.218	0.939	
1350T300-97	0.1017	1.981	6.74	49.574	7.156	5.003	1.343	0.824	46.466	5.312	104.97	7014	43.8	4.624	138.45	7014	6.829	47.541	-1.276	0.83	5.228	0.94	
1350T300-118	0.1242	2.419	8.23	60.782	8.724	5.013	1.623	0.819	58.718	7.381	145.84	12808	57.131	6.535	195.67	12808	12.436	58.014	-1.267	0.824	5.235	0.941	
1350T400-68	0.0713	1.532	5.21	41.236	5.998	5.188	2.141	1.182	33.862	3.099	61.24	2409	33.002	2.552	76.41	2409	2.596	72.561	-1.99	1.258	5.681	0.877	
1350T400-97	0.1017	2.184	7.43	59.194	8.544	5.206	3.023	1.176	51.002	6.297	124.44	7014	49.671	5.259	157.45	7014	7.531	103.775	-1.976	1.249	5.691	0.879	
1350T400-118	0.1242	2.667	9.08	72.626	10.424	5.218	3.663	1.172	65.435	8.167	161.38	12808	62.783	7.733	231.52	12808	13.713	126.976	-1.965	1.243	5.698	0.881	
1400T125-54 <sup>1</sup>	0.0566	0.933	3.18	19.977	2.814	4.627	0.061	0.256	17.725	1.767	34.91	1160	16.407	1.517	45.42	1160	0.997	2.559	-0.299	0.209	4.643	0.996	
1400T125-68	0.0713	1.175	4	25.196	3.536	4.63	0.076	0.254	23.552	2.632	52.01	2322	22.62	2.293	68.64	2322	1.992	3.189	-0.296	0.206	4.646	0.996	
1400T125-97	0.1017	1.676	5.7	36.024	5.019	4.636	0.104	0.249	35.775	4.48	88.53	6761	34.588	4.134	123.76	6761	5.778	4.445	-0.289	0.201	4.652	0.996	
1400T125-118	0.1242	2.046	6.96	44.068	6.106	4.641	0.123	0.245	44.068	5.853	115.67	12344	43.752	5.453	163.27	12344	10.52	5.334	-0.284	0.197	4.656	0.996	
1400T150-54 <sup>1</sup>	0.0566	0.962	3.27	21.392	3.013	4.717	0.105	0.33	18.62	1.81	35.76	1160	17.153	1.547	46.33	1160	1.027	4.28	-0.41	0.283	4.746	0.993	
1400T150-68	0.0713	1.211	4.12	26.987	3.788	4.721	0.13	0.327</td															

## STRUCTURAL TRACK SECTION PROPERTIES

Section	Thickness (in)	Area (in <sup>2</sup> )	Weight (lb/ft)	Gross Properties				Effective Properties Fy = 33 ksi					Effective Properties Fy = 50 ksi					Torsional Properties				
				I <sub>xx</sub> (in <sup>3</sup> )	R <sub>x</sub> (in)	I <sub>yy</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	M <sub>aFy</sub> (in-k)	V <sub>a</sub> (lb)	I <sub>xx</sub> (in <sup>4</sup> )	S <sub>xx</sub> (in <sup>3</sup> )	M <sub>aFy</sub> (in-k)	V <sub>a</sub> (lb)	J (in <sup>4</sup> )	C <sub>w</sub> (in <sup>6</sup> )	X <sub>o</sub> (in)	m (in)	R <sub>o</sub> (in)	B	
1400T250-54 <sup>1</sup>	0.0566	1.075	3.66	27.051	3.811	5.017	0.458	0.653	21.342	1.907	37.68	1160	19.421	1.616	48.38	1160	1.148	17.55	-0.954	0.633	5.149	0.966
1400T250-68	0.0713	1.354	4.61	34.154	4.794	5.023	0.573	0.65	29.615	2.906	57.42	2322	27.352	2.485	74.4	2322	2.294	22.063	-0.949	0.629	5.153	0.966
1400T250-97	0.1017	1.93	6.57	48.939	6.818	5.036	0.803	0.645	47.449	5.386	106.42	6761	44.883	4.708	140.94	6761	6.654	31.333	-0.938	0.622	5.163	0.967
1400T250-118	0.1242	2.356	8.02	59.964	8.308	5.044	0.967	0.641	59.734	7.438	146.99	12344	58.277	6.622	198.25	12344	12.117	38.137	-0.93	0.616	5.169	0.968
1400T300-54 <sup>1</sup>	0.0566	1.131	3.85	29.881	4.209	5.139	0.769	0.825	22.429	1.935	38.24	1160	20.324	1.635	48.96	1160	1.208	28.8	-1.271	0.829	5.358	0.944
1400T300-68	0.0713	1.425	4.85	37.737	5.297	5.146	0.962	0.822	31.291	2.961	58.5	2322	28.775	2.523	75.54	2322	2.415	36.257	-1.265	0.825	5.363	0.944
1400T300-97	0.1017	2.032	6.91	54.105	7.538	5.16	1.353	0.816	50.615	5.54	109.48	6761	47.633	4.815	144.17	6761	7.005	51.644	-1.252	0.817	5.373	0.946
1400T300-118	0.1242	2.481	8.44	66.323	9.189	5.171	1.635	0.812	64.159	7.713	152.42	12344	62.201	6.816	204.06	12344	12.755	62.998	-1.243	0.811	5.38	0.947
1400T400-68	0.0713	1.567	5.33	44.903	6.302	5.352	2.16	1.174	37.078	3.21	63.43	2322	35.376	2.647	79.24	2322	2.656	78.896	-1.957	1.242	5.818	0.887
1400T400-97	0.1017	2.235	7.61	64.437	8.977	5.369	3.049	1.168	55.644	6.656	131.52	6761	54.354	5.437	162.79	6761	7.706	112.783	-1.943	1.233	5.828	0.889
1400T400-118	0.1242	2.729	9.29	79.041	10.951	5.382	3.695	1.164	71.315	8.62	170.34	12344	68.478	8.172	244.66	12344	14.032	137.951	-1.932	1.226	5.835	0.89
1600T125-54, <sup>1,2</sup>	0.0566	1.046	3.56	28.485	3.517	5.217	0.062	0.243									1.117	3.432	-0.272	0.191	5.230	0.997
1600T125-68 <sup>1</sup>	0.0713	1.318	4.48	35.916	4.421	5.220	0.077	0.241					31.004	2.651	79.37	2030	2.233	4.273	-0.268	0.189	5.233	0.997
1600T125-97	0.1017	1.879	6.39	51.322	6.276	5.226	0.105	0.237					47.830	4.825	144.47	5908	6.479	5.945	-0.262	0.184	5.238	0.997
1600T125-118	0.1242	2.294	7.81	62.755	7.637	5.230	0.125	0.233					60.930	6.420	192.21	10783	11.797	7.126	-0.257	0.181	5.241	0.998
1600T150-54, <sup>1,2</sup>	0.0566	1.075	3.66	30.328	3.745	5.312	0.106	0.314									1.148	5.757	-0.374	0.260	5.335	0.995
1600T150-68 <sup>1</sup>	0.0713	1.354	4.61	38.249	4.708	5.316	0.132	0.312					32.537	2.717	81.34	2030	2.294	7.188	-0.371	0.258	5.338	0.995
1600T150-97	0.1017	1.930	6.57	54.681	6.686	5.323	0.182	0.307					51.382	5.047	151.11	5908	6.654	10.066	-0.363	0.253	5.344	0.995
1600T150-118	0.1242	2.356	8.02	66.886	8.140	5.328	0.217	0.304					65.023	6.911	206.91	10783	12.117	12.124	-0.358	0.249	5.348	0.996
1600T200-54, <sup>1,2</sup>	0.0566	1.131	3.85	34.015	4.200	5.483	0.246	0.467									1.208	12.864	-0.612	0.417	5.537	0.988
1600T200-68 <sup>1</sup>	0.0713	1.425	4.85	42.914	5.282	5.488	0.307	0.464					35.009	2.805	83.99	2030	2.415	16.123	-0.607	0.414	5.541	0.988
1600T200-97	0.1017	2.032	6.91	61.398	7.508	5.497	0.428	0.459					57.292	5.298	158.62	5908	7.005	22.755	-0.598	0.408	5.549	0.988
1600T200-118	0.1242	2.481	8.44	75.146	9.145	5.504	0.514	0.455					73.613	7.433	222.53	10783	12.755	27.568	-0.592	0.403	5.554	0.989

See notes located on page 17