



TRUE-TRACK™: Physical and Structural Section Properties

1-5/8" Web Track	Design			Gross Properties						Effective Properties					Torsional Properties				
	Track Section Description	Thickness (in)	Fy (ksi)	Area (in ²)	Weight (lb/ft)	Ixx (in ⁴)	Rx (in)	Iyy (in ⁴)	Ry (in)	Ixx (in ⁴)	Sxx (in ³)	Ma (in-k)	Va (lb)	Ycg (in)	Jx1000 (in ⁶)	Cw (in ⁶)	Xo (in)	Ro (in)	β
1-1/4" Leg Track	162T125-15	.0160	70	.066	.220	.035	.733	.011	.412						.006	.006	-878	1.215	.478
	162T125-18	.0188	70	.077	.260	.041	.733	.013	.411	.027	.021	0.900	394	1.141	.009	.007	-878	1.215	.478
	162T125-20	.0210	60	.087	.290	.047	.734	.015	.411	.032	.026	0.950	508	1.107	.013	.008	-875	1.214	.480
	162T125-23	.0245	60	.101	.340	.054	.734	.017	.410	.038	.032	1.160	692	1.095	.020	.009	-873	1.213	.481
	162T125-27	.0283	60	.117	.400	.063	.735	.020	.410	.046	.039	1.410	923	1.083	.031	.010	-872	1.211	.482
	162T125-30	.0312	60	.129	.440	.070	.735	.022	.409	.053	.045	1.610	1086	1.074	.042	.012	-870	1.210	.483
	162T125-33	.0346	33	.143	.490	.077	.736	.024	.408	.066	.058	1.150	663	1.026	.057	.013	-868	1.209	.484
1-1/2" Leg Track	162T150-15	.0160	70	.074	.250	.041	.748	.018	.497						.006	.010	-1.106	1.425	.397
	162T150-18	.0188	70	.087	.300	.049	.749	.021	.496						.010	.012	-1.105	1.424	.398
	162T150-20	.0210	60	.097	.330	.055	.749	.024	.496						.014	.013	-1.104	1.423	.398
	162T150-23	.0245	60	.113	.390	.064	.749	.028	.495	.041	.033	1.200	692	1.139	.023	.015	-1.102	1.422	.399
	162T150-27	.0283	60	.131	.450	.074	.750	.032	.495	.050	.040	1.450	923	1.127	.035	.017	-1.100	1.420	.400
	162T150-30	.0312	60	.144	.490	.081	.751	.035	.494	.057	.046	1.660	1086	1.119	.047	.019	-1.098	1.419	.401
	162T150-33	.0346	33	.160	.540	.090	.751	.039	.494	.072	.060	1.190	663	1.070	.064	.021	-1.096	1.418	.402
2" Leg Track	162T200-15	.0160	70	.090	.310	.053	.770	.040	.662						.008	.022	-1.575	1.874	.294
	162T200-18	.0188	70	.106	.360	.063	.770	.046	.662						.012	.025	-1.574	1.873	.294
	162T200-20	.0210	60	.118	.400	.070	.771	.052	.662						.017	.028	-1.572	1.872	.294
	162T200-23	.0245	60	.138	.470	.082	.771	.060	.661						.028	.033	-1.570	1.870	.295
	162T200-27	.0283	60	.159	.540	.095	.772	.069	.661						.042	.038	-1.568	1.869	.296
	162T200-30	.0312	60	.175	.600	.105	.773	.076	.660						.057	.042	-1.567	1.867	.296
	162T200-33	.0346	33	.194	.660	.116	.773	.085	.660	.081	.063	1.250	663	1.145	.078	.047	-1.565	1.866	.297

TRUE-TRACK Notes:

1. Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.



TRUE-TRACK™: Physical and Structural Section Properties

2-1/2" Web Track	Section	Design		Gross Properties						Effective Properties					Torsional Properties				
		Thickness (in)	Fy (ksi)	Area (in ²)	Weight (lb/ft)	Ixx (in ⁴)	Rx (in)	Iyy (in ⁴)	Ry (in)	Ixx (in ⁴)	Sxx (in ³)	Ma (in-k)	Va (lb)	Ycg (in)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	Ro (in)	ϕ
1-1/4" Leg Track	250T125-15	.0160	70	.080	.270	.089	1.051	.013	.400						.007	.015	-7.69	1.362	.682
	250T125-18	.0188	70	.094	.320	.103	1.051	.015	.400	.074	.033	1.400	249	1.754	.011	.018	-7.69	1.362	.681
	250T125-20	.0210	60	.105	.360	.116	1.052	.017	.399	.085	.042	1.510	341	1.691	.015	.020	-7.66	1.361	.683
	250T125-23	.0245	60	.123	.420	.136	1.052	.019	.398	.101	.056	2.010	541	1.617	.025	.023	-7.65	1.360	.684
	250T125-27	.0283	60	.141	.480	.157	1.053	.022	.398	.120	.072	2.590	833	1.559	.038	.027	-7.63	1.360	.685
	250T125-30	.0312	60	.156	.530	.173	1.053	.025	.397	.135	.082	2.930	1116	1.549	.051	.030	-7.62	1.359	.686
	250T125-33	.0346	33	.173	.590	.192	1.053	.027	.397	.166	.103	2.030	1024	1.492	.069	.033	-7.60	1.358	.687
1-1/2" Leg Track	250T150-15	.0160	70	.088	.300	.102	1.076	.021	.488						.008	.025	-9.83	1.537	.591
	250T150-18	.0188	70	.103	.350	.120	1.077	.025	.488						.012	.029	-9.81	1.536	.592
	250T150-20	.0210	60	.116	.390	.134	1.077	.027	.487						.017	.033	-9.80	1.536	.593
	250T150-23	.0245	60	.135	.460	.156	1.077	.032	.487	.109	.055	1.990	541	1.700	.027	.038	-9.78	1.535	.594
	250T150-27	.0283	60	.156	.530	.181	1.078	.037	.486	.129	.073	2.620	833	1.629	.042	.044	-9.76	1.534	.595
	250T150-30	.0312	60	.172	.580	.199	1.078	.040	.486	.145	.084	3.030	1116	1.606	.056	.049	-9.75	1.533	.595
2" Leg Track	250T200-15	.0160	70	.104	.350	.129	1.114	.046	.662						.009	.055	-1.428	1.928	.451
	250T200-18	.0188	70	.122	.420	.152	1.114	.053	.661						.014	.064	-1.427	1.927	.452
	250T200-20	.0210	60	.137	.460	.170	1.115	.060	.661						.020	.072	-1.425	1.926	.452
	250T200-23	.0245	60	.159	.540	.198	1.115	.069	.660						.032	.084	-1.424	1.925	.453
	250T200-27	.0283	60	.184	.630	.229	1.116	.080	.659						.049	.097	-1.422	1.924	.454
	250T200-30	.0312	60	.203	.690	.253	1.116	.088	.659						.066	.106	-1.420	1.923	.454
	250T200-33	.0346	33	.225	.760	.280	1.117	.097	.658	.203	.112	2.220	1024	1.647	.090	.118	-1.418	1.921	.455
2-1/2" Leg Track	250T250-15	.0160	70	.120	.410	.156	1.140	.083	.830						.010	.101	-1.889	2.358	.358
	250T250-18	.0188	70	.141	.480	.184	1.141	.097	.830						.017	.119	-1.887	2.356	.359
	250T250-20	.0210	60	.158	.540	.205	1.141	.108	.830						.023	.132	-1.886	2.356	.359
	250T250-23	.0245	60	.184	.630	.240	1.142	.126	.829						.037	.154	-1.884	2.354	.359
	250T250-27	.0283	60	.212	.720	.277	1.143	.146	.828						.057	.178	-1.882	2.353	.360
	250T250-30	.0312	60	.234	.800	.306	1.143	.160	.828						.076	.196	-1.881	2.351	.360
	250T250-33	.0346	33	.259	.880	.339	1.144	.178	.827						.103	.218	-1.879	2.350	.361
3" Leg Track	250T300-15	.0160	70	.136	.460	.183	1.161	.135	.996						.012	.167	-2.359	2.811	.296
	250T300-18	.0188	70	.160	.540	.216	1.161	.158	.995						.019	.196	-2.358	2.810	.296
	250T300-20	.0210	60	.179	.610	.241	1.161	.177	.995						.026	.219	-2.356	2.809	.296
	250T300-23	.0245	60	.208	.710	.281	1.162	.206	.994						.042	.255	-2.354	2.808	.297
	250T300-27	.0283	60	.241	.820	.325	1.163	.237	.994						.064	.295	-2.352	2.806	.297
	250T300-30	.0312	60	.265	.900	.359	1.163	.262	.993						.086	.325	-2.351	2.805	.297
	250T300-33	.0346	33	.294	1.000	.398	1.164	.290	.993						.117	.360	-2.349	2.803	.298
3-1/2" Leg Track	250T350-15	.0160	70	.152	.520	.210	1.176	.204	1.158						.013	.256	-2.836	3.281	.253
	250T350-18	.0188	70	.179	.610	.247	1.177	.239	1.157						.021	.301	-2.835	3.280	.253
	250T350-20	.0210	60	.200	.680	.276	1.177	.267	1.157						.029	.336	-2.833	3.279	.253
	250T350-23	.0245	60	.233	.790	.323	1.178	.311	1.156						.047	.392	-2.831	3.277	.254
	250T350-27	.0283	60	.269	.910	.373	1.178	.359	1.156						.072	.453	-2.829	3.275	.254
	250T350-30	.0312	60	.296	1.010	.412	1.179	.396	1.155						.096	.499	-2.827	3.274	.254
	250T350-33	.0346	33	.329	1.120	.457	1.180	.438	1.155						.131	.554	-2.825	3.272	.255
4" Leg Track	250T400-15	.0160	70	.168	.570	.237	1.189	.292	1.317						.014	.371	-3.318	3.762	.222
	250T400-18	.0188	70	.197	.670	.279	1.189	.343	1.317						.023	.437	-3.316	3.761	.223
	250T400-20	.0210	60	.221	.750	.312	1.190	.382	1.317						.032	.488	-3.315	3.760	.223
	250T400-23	.0245	60	.257	.880	.364	1.190	.446	1.316						.051	.569	-3.313	3.758	.223
	250T400-27	.0283	60	.297	1.010	.421	1.191	.514	1.316						.079	.658	-3.310	3.756	.223
	250T400-30	.0312	60	.328	1.110	.465	1.192	.567	1.315						.106	.725	-3.309	3.754	.223
250T400-33	.0346	33	.363	1.240	.516	1.192	.628	1.315						.145	.804	-3.307	3.753	.224	

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3-1/2" Web Track	Section	Design		Gross Properties						Effective Properties					Torsional Properties				
		Thickness (in)	Fy (ksi)	Area (in ²)	Weight (lb/ft)	Ixx (in ⁴)	Rx (in)	Iyy (in ⁴)	Ry (in)	Ixx (in ⁴)	Sxx (in ³)	Ma (in-k)	Va (lb)	Ycg (in)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	Ro (in)	ϕ
1-1/4" Leg Track	350T125-15 ¹	.0160	70	.096	.330	.187	1.395	.014	.383						.008	.033	-.676	1.596	.821
	350T125-18	.0188	70	.113	.380	.219	1.394	.016	.383	.147	.047	1.970	175	2.489	.013	.038	-.675	1.595	.821
	350T125-20	.0210	60	.126	.430	.245	1.395	.018	.382	.186	.059	2.110	241	2.409	.019	.043	-.674	1.596	.822
	350T125-23	.0245	60	.147	.500	.286	1.396	.021	.381	.226	.078	2.800	383	2.313	.029	.050	-.672	1.595	.822
	350T125-27	.0283	60	.170	.580	.331	1.396	.025	.381	.266	.102	3.670	590	2.214	.045	.057	-.670	1.595	.823
	350T125-30	.0312	60	.187	.640	.365	1.396	.027	.380	.296	.124	4.440	790	2.143	.061	.063	-.669	1.594	.824
	350T125-33	.0346	33	.207	.710	.405	1.397	.030	.379	.354	.165	3.270	1024	2.014	.083	.070	-.668	1.594	.824
1-1/2" Leg Track	350T150-15 ¹	.0160	70	.104	.350	.213	1.430	.023	.472						.009	.053	-.874	1.742	.748
	350T150-18	.0188	70	.122	.420	.250	1.430	.027	.472						.014	.063	-.873	1.741	.749
	350T150-20	.0210	60	.137	.460	.280	1.431	.030	.471						.020	.070	-.872	1.741	.749
	350T150-23	.0245	60	.159	.540	.326	1.431	.035	.471	.242	.078	2.790	383	2.409	.032	.081	-.870	1.740	.750
	350T150-27	.0283	60	.184	.630	.377	1.431	.041	.470	.285	.102	3.660	590	2.315	.049	.094	-.869	1.739	.750
	350T150-30	.0312	60	.203	.690	.416	1.432	.045	.469	.319	.123	4.410	790	2.246	.066	.103	-.867	1.739	.751
2" Leg Track	350T200-15 ¹	.0160	70	.120	.410	.265	1.485	.051	.650						.010	.116	-1.294	2.074	.611
	350T200-18	.0188	70	.141	.480	.311	1.485	.059	.649						.017	.136	-1.293	2.073	.611
	350T200-20	.0210	60	.158	.540	.348	1.486	.066	.649						.023	.152	-1.292	2.073	.612
	350T200-23	.0245	60	.184	.630	.406	1.486	.077	.648						.037	.177	-1.290	2.072	.612
	350T200-27	.0283	60	.212	.720	.469	1.487	.089	.648						.057	.204	-1.288	2.071	.613
	350T200-30	.0312	60	.234	.800	.517	1.487	.098	.647						.076	.225	-1.287	2.070	.614
	350T200-33	.0346	33	.259	.880	.574	1.487	.108	.647	.428	.181	3.570	1024	2.199	.103	.249	-1.285	2.069	.614
2-1/2" Leg Track	350T250-15 ¹	.0160	70	.136	.460	.317	1.525	.092	.824						.012	.212	-1.734	2.453	.500
	350T250-18	.0188	70	.160	.540	.372	1.526	.109	.824						.019	.249	-1.733	2.452	.500
	350T250-20	.0210	60	.179	.610	.416	1.526	.121	.824						.026	.278	-1.732	2.451	.501
	350T250-23	.0245	60	.208	.710	.485	1.527	.141	.823						.042	.324	-1.730	2.450	.501
	350T250-27	.0283	60	.241	.820	.561	1.527	.163	.822						.064	.374	-1.728	2.448	.502
	350T250-30	.0312	60	.265	.900	.619	1.528	.179	.822						.086	.412	-1.727	2.448	.502
	350T250-33	.0346	33	.294	1.000	.687	1.528	.198	.821						.117	.456	-1.725	2.446	.503
3" Leg Track	350T300-15 ¹	.0160	70	.152	.520	.369	1.557	.151	.996						.013	.348	-2.188	2.864	.416
	350T300-18	.0188	70	.179	.610	.433	1.557	.177	.995						.021	.408	-2.186	2.863	.417
	350T300-20	.0210	60	.200	.680	.484	1.558	.197	.995						.029	.456	-2.185	2.862	.417
	350T300-23	.0245	60	.233	.790	.565	1.558	.230	.994						.047	.532	-2.183	2.861	.417
	350T300-27	.0283	60	.269	.910	.653	1.559	.265	.994						.072	.614	-2.181	2.859	.418
	350T300-30	.0312	60	.296	1.010	.720	1.559	.292	.993						.096	.677	-2.180	2.858	.418
	350T300-33	.0346	33	.329	1.120	.799	1.560	.324	.992						.131	.750	-2.178	2.857	.419
3-1/2" Leg Track	350T350-15 ¹	.0160	70	.168	.570	.420	1.582	.228	1.164						.014	.530	-2.651	3.299	.354
	350T350-18	.0188	70	.197	.670	.494	1.582	.267	1.163						.023	.623	-2.649	3.298	.355
	350T350-20	.0210	60	.221	.750	.552	1.582	.298	1.163						.032	.696	-2.648	3.297	.355
	350T350-23	.0245	60	.257	.880	.645	1.583	.348	1.162						.051	.812	-2.646	3.295	.355
	350T350-27	.0283	60	.297	1.010	.745	1.584	.401	1.162						.079	.937	-2.644	3.294	.356
	350T350-30	.0312	60	.328	1.110	.822	1.584	.442	1.161						.106	1.033	-2.642	3.293	.356
	350T350-33	.0346	33	.363	1.240	.912	1.585	.489	1.161						.145	1.145	-2.640	3.291	.356
4" Leg Track	350T400-15 ¹	.0160	70	.184	.630	.472	1.602	.325	1.329						.016	.766	-3.120	3.751	.308
	350T400-18	.0188	70	.216	.740	.555	1.602	.382	1.329						.025	.900	-3.119	3.750	.308
	350T400-20	.0210	60	.242	.820	.621	1.603	.426	1.329						.036	1.005	-3.117	3.749	.308
	350T400-23	.0245	60	.282	.960	.724	1.603	.497	1.328						.056	1.173	-3.116	3.747	.309
	350T400-27	.0283	60	.325	1.110	.837	1.604	.573	1.327						.087	1.354	-3.113	3.745	.309
	350T400-30	.0312	60	.359	1.220	.924	1.605	.632	1.327						.116	1.493	-3.112	3.744	.309
	350T400-33	.0346	33	.398	1.350	1.025	1.605	.700	1.326						.159	1.655	-3.110	3.743	.310

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			Section	Area (in ²)	Weight (lb/ft)	Ixx (in ⁴)	Rx (in)	Iyy (in ⁴)	Ry (in)	Ixx (in ⁴)	Sxx (in ³)	Ma (in-k)	Va (lb)	Ycg (in)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	Ro (in)	ϕ
1-1/4" Leg Track	362T125-15 ¹	.0160	70	.098	.330	.202	1.437	.014	.381						.008	.035	-.666	1.629	.833
	362T125-18	.0188	70	.115	.390	.237	1.435	.017	.380	.158	.049	2.040	169	2.582	.014	.042	-.665	1.627	.833
	362T125-20	.0210	60	.129	.440	.266	1.437	.019	.380	.199	.061	2.180	233	2.501	.019	.046	-.664	1.628	.834
	362T125-23	.0245	60	.150	.510	.310	1.437	.022	.379	.246	.081	2.890	369	2.402	.030	.054	-.662	1.627	.834
	362T125-27	.0283	60	.173	.590	.358	1.438	.025	.378	.289	.106	3.800	569	2.301	.046	.062	-.661	1.627	.835
	362T125-30	.0312	60	.191	.650	.395	1.438	.027	.378	.323	.128	4.590	762	2.228	.062	.068	-.659	1.626	.836
	362T125-33	.0346	33	.212	.720	.438	1.438	.030	.377	.384	.174	3.440	1024	2.079	.085	.076	-.658	1.626	.836
1-1/2" Leg Track	362T150-15 ¹	.0160	70	.106	.360	.230	1.473	.023	.470						.009	.058	-.863	1.771	.763
	362T150-18	.0188	70	.125	.420	.271	1.474	.027	.470						.015	.068	-.861	1.770	.763
	362T150-20	.0210	60	.139	.470	.302	1.474	.031	.469						.020	.076	-.860	1.770	.764
	362T150-23	.0245	60	.162	.550	.353	1.474	.036	.469	.264	.081	2.900	369	2.500	.032	.088	-.859	1.769	.764
	362T150-27	.0283	60	.187	.640	.408	1.474	.041	.468	.311	.105	3.790	569	2.403	.050	.102	-.857	1.769	.765
	362T150-30	.0312	60	.207	.700	.449	1.475	.045	.467	.347	.127	4.560	762	2.333	.067	.112	-.856	1.768	.766
	362T150-33	.0346	33	.229	.780	.499	1.475	.050	.467	.414	.180	3.560	1024	2.146	.091	.124	-.854	1.767	.766
2" Leg Track	362T200-15 ¹	.0160	70	.122	.420	.286	1.530	.051	.648						.010	.125	-1.279	2.097	.628
	362T200-18	.0188	70	.143	.490	.336	1.530	.060	.648						.017	.147	-1.278	2.096	.628
	362T200-20	.0210	60	.160	.550	.375	1.531	.067	.647						.024	.164	-1.277	2.096	.629
	362T200-23	.0245	60	.187	.640	.438	1.531	.078	.646						.037	.191	-1.275	2.095	.629
	362T200-27	.0283	60	.216	.730	.506	1.532	.090	.646						.058	.221	-1.273	2.094	.630
	362T200-30	.0312	60	.238	.810	.558	1.532	.099	.645						.077	.243	-1.272	2.093	.631
	362T200-33	.0346	33	.264	.900	.619	1.532	.110	.645	.464	.190	3.760	1024	2.267	.105	.269	-1.270	2.092	.631
2-1/2" Leg Track	362T250-15 ¹	.0160	70	.138	.470	.341	1.572	.094	.823						.012	.229	-1.717	2.469	.516
	362T250-18	.0188	70	.162	.550	.401	1.573	.110	.823						.019	.269	-1.716	2.469	.517
	362T250-20	.0210	60	.181	.620	.448	1.573	.122	.822						.027	.300	-1.715	2.468	.517
	362T250-23	.0245	60	.211	.720	.523	1.574	.143	.822						.042	.350	-1.713	2.467	.518
	362T250-27	.0283	60	.244	.830	.605	1.574	.164	.821						.065	.404	-1.711	2.465	.518
	362T250-30	.0312	60	.269	.920	.667	1.575	.181	.820						.087	.445	-1.709	2.465	.519
	362T250-33	.0346	33	.298	1.020	.740	1.575	.200	.820						.119	.493	-1.708	2.463	.520
3" Leg Track	362T300-15 ¹	.0160	70	.154	.520	.397	1.605	.153	.995						.013	.376	-2.169	2.875	.431
	362T300-18	.0188	70	.181	.620	.467	1.605	.179	.994						.021	.442	-2.167	2.874	.432
	362T300-20	.0210	60	.202	.690	.521	1.606	.200	.994						.030	.493	-2.166	2.874	.432
	362T300-23	.0245	60	.236	.800	.609	1.606	.233	.993						.047	.575	-2.164	2.872	.432
	362T300-27	.0283	60	.272	.930	.703	1.607	.268	.993						.073	.664	-2.162	2.871	.433
	362T300-30	.0312	60	.300	1.020	.776	1.607	.296	.992						.097	.731	-2.160	2.870	.433
	362T300-33	.0346	33	.333	1.130	.861	1.608	.327	.992						.133	.811	-2.159	2.869	.434
3-1/2" Leg Track	362T350-15 ¹	.0160	70	.170	.580	.452	1.631	.230	1.164						.015	.573	-2.630	3.306	.367
	362T350-18	.0188	70	.200	.680	.532	1.631	.270	1.163						.024	.673	-2.628	3.305	.368
	362T350-20	.0210	60	.223	.760	.594	1.632	.302	1.163						.033	.752	-2.627	3.304	.368
	362T350-23	.0245	60	.260	.890	.694	1.632	.352	1.162						.052	.877	-2.625	3.302	.368
	362T350-27	.0283	60	.301	1.020	.802	1.633	.406	1.162						.080	1.012	-2.623	3.301	.369
	362T350-30	.0312	60	.331	1.130	.885	1.634	.447	1.161						.108	1.116	-2.621	3.300	.369
	362T350-33	.0346	33	.367	1.250	.981	1.634	.495	1.161						.147	1.237	-2.619	3.298	.369
4" Leg Track	362T400-15 ¹	.0160	70	.186	.630	.508	1.652	.329	1.330						.016	.827	-3.098	3.754	.319
	362T400-18	.0188	70	.219	.740	.597	1.653	.386	1.330						.026	.972	-3.096	3.753	.319
	362T400-20	.0210	60	.244	.830	.667	1.653	.431	1.329						.036	1.085	-3.095	3.752	.320
	362T400-23	.0245	60	.285	.970	.779	1.654	.503	1.329						.057	1.266	-3.093	3.750	.320
	362T400-27	.0283	60	.329	1.120	.901	1.655	.580	1.328						.088	1.462	-3.091	3.749	.320
	362T400-30	.0312	60	.363	1.230	.993	1.655	.639	1.327						.118	1.612	-3.089	3.747	.321
	362T400-33	.0346	33	.402	1.370	1.102	1.656	.708	1.327						.160	1.787	-3.087	3.746	.321

TRUE-TRACK Notes:

1. Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.



TRUE-TRACK™: Physical and Structural Section Properties

4" Web Track	Design Section	Design		Gross Properties						Effective Properties					Torsional Properties				
		Thickness (in)	Fy (ksi)	Area (in ²)	Weight (lb/ft)	Ixx (in ⁴)	Rx (in)	Iyy (in ⁴)	Ry (in)	Ixx (in ⁴)	Sxx (in ³)	Ma (in-k)	Va (lb)	Ycg (in)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	Ro (in)	ϕ
1-1/4" Leg Track	400T125-15 ¹	.0160	70	.104	.350	.254	1.561	.015	.374						.009	.044	-.638	1.727	.864
	400T125-18 ¹	.0188	70	.122	.410	.297	1.560	.017	.374	.193	.054	2.260	153	2.865	.014	.052	-.637	1.726	.864
	400T125-20	.0210	60	.137	.460	.333	1.562	.019	.373	.243	.067	2.410	210	2.778	.020	.058	-.636	1.727	.864
	400T125-23	.0245	60	.159	.540	.389	1.562	.022	.373	.313	.089	3.190	334	2.673	.032	.067	-.634	1.726	.865
	400T125-27	.0283	60	.184	.630	.449	1.562	.025	.372	.368	.116	4.170	515	2.565	.049	.078	-.633	1.726	.866
	400T125-30	.0312	60	.203	.690	.495	1.562	.028	.371	.410	.140	5.030	689	2.487	.066	.085	-.632	1.726	.866
	400T125-33	.0346	33	.225	.760	.549	1.563	.031	.371	.484	.201	3.970	940	2.272	.090	.095	-.630	1.725	.867
1-1/2" Leg Track	400T150-15 ¹	.0160	70	.112	.380	.287	1.601	.024	.464						.010	.072	-.830	1.862	.801
	400T150-18 ¹	.0188	70	.132	.450	.338	1.601	.028	.463						.016	.085	-.828	1.861	.802
	400T150-20	.0210	60	.147	.500	.377	1.602	.031	.463						.022	.095	-.827	1.861	.802
	400T150-23	.0245	60	.172	.580	.440	1.602	.037	.462	.329	.089	3.200	334	2.774	.034	.110	-.826	1.861	.803
	400T150-27	.0283	60	.198	.670	.509	1.602	.042	.461	.394	.116	4.170	515	2.670	.053	.127	-.824	1.860	.804
	400T150-30	.0312	60	.218	.740	.561	1.603	.046	.461	.440	.140	5.020	689	2.595	.071	.140	-.823	1.859	.804
400T150-33	.0346	33	.242	.820	.622	1.603	.051	.460	.519	.208	4.120	940	2.342	.097	.155	-.821	1.859	.805	
2" Leg Track	400T200-15 ¹	.0160	70	.128	.440	.355	1.664	.053	.642						.011	.157	-1.237	2.171	.675
	400T200-18 ¹	.0188	70	.150	.510	.417	1.664	.062	.642						.018	.184	-1.236	2.170	.676
	400T200-20	.0210	60	.168	.570	.466	1.665	.069	.641						.025	.205	-1.235	2.170	.676
	400T200-23	.0245	60	.196	.670	.543	1.665	.080	.641						.039	.239	-1.233	2.169	.677
	400T200-27	.0283	60	.226	.770	.628	1.665	.093	.640						.060	.276	-1.232	2.168	.677
	400T200-30	.0312	60	.250	.850	.692	1.666	.102	.639						.081	.304	-1.230	2.167	.678
	400T200-33	.0346	33	.277	.940	.768	1.666	.113	.639	.581	.220	4.340	940	2.469	.110	.336	-1.229	2.166	.678
2-1/2" Leg Track	400T250-15 ¹	.0160	70	.144	.490	.422	1.711	.097	.818						.012	.286	-1.668	2.526	.564
	400T250-18 ¹	.0188	70	.169	.580	.496	1.712	.113	.818						.020	.335	-1.666	2.525	.565
	400T250-20	.0210	60	.189	.640	.554	1.712	.126	.818						.028	.374	-1.665	2.524	.565
	400T250-23	.0245	60	.221	.750	.647	1.712	.147	.817						.044	.436	-1.663	2.523	.565
	400T250-27	.0283	60	.255	.870	.747	1.713	.170	.816						.068	.504	-1.661	2.522	.566
	400T250-30	.0312	60	.281	.960	.824	1.713	.187	.816						.091	.555	-1.660	2.521	.567
	400T250-33	.0346	33	.311	1.060	.914	1.714	.207	.815						.124	.615	-1.658	2.520	.567
3" Leg Track	400T300-15 ¹	.0160	70	.160	.540	.489	1.748	.158	.992						.014	.468	-2.113	2.916	.475
	400T300-18 ¹	.0188	70	.188	.640	.575	1.749	.185	.991						.022	.550	-2.111	2.915	.475
	400T300-20	.0210	60	.210	.710	.643	1.749	.206	.991						.031	.614	-2.110	2.914	.476
	400T300-23	.0245	60	.245	.830	.750	1.749	.240	.990						.049	.716	-2.108	2.913	.476
	400T300-27	.0283	60	.283	.960	.867	1.750	.277	.990						.076	.826	-2.106	2.912	.477
	400T300-30	.0312	60	.312	1.060	.956	1.751	.305	.989						.101	.910	-2.105	2.911	.477
	400T300-33	.0346	33	.346	1.180	1.060	1.751	.338	.989						.138	1.009	-2.103	2.910	.478
3-1/2" Leg Track	400T350-15 ¹	.0160	70	.176	.600	.557	1.778	.238	1.163						.015	.712	-2.568	3.333	.406
	400T350-18 ¹	.0188	70	.207	.700	.654	1.778	.279	1.162						.024	.837	-2.567	3.332	.407
	400T350-20	.0210	60	.231	.790	.731	1.779	.312	1.162						.034	.934	-2.566	3.331	.407
	400T350-23	.0245	60	.270	.920	.853	1.779	.363	1.161						.054	1.089	-2.564	3.330	.407
	400T350-27	.0283	60	.311	1.060	.986	1.780	.419	1.160						.083	1.258	-2.562	3.328	.408
	400T350-30	.0312	60	.343	1.170	1.088	1.780	.462	1.160						.111	1.386	-2.560	3.327	.408
	400T350-33	.0346	33	.380	1.290	1.207	1.781	.511	1.159						.152	1.537	-2.558	3.326	.408
4" Leg Track	400T400-15 ¹	.0160	70	.192	.650	.624	1.802	.340	1.331						.016	1.027	-3.032	3.769	.353
	400T400-18 ¹	.0188	70	.226	.770	.733	1.803	.399	1.330						.027	1.206	-3.030	3.768	.353
	400T400-20	.0210	60	.252	.860	.819	1.803	.446	1.330						.037	1.347	-3.029	3.767	.354
	400T400-23	.0245	60	.294	1.000	.956	1.804	.519	1.329						.059	1.571	-3.027	3.766	.354
	400T400-27	.0283	60	.340	1.160	1.105	1.804	.599	1.329						.091	1.814	-3.025	3.764	.354
	400T400-30	.0312	60	.374	1.270	1.219	1.805	.660	1.328						.121	2.000	-3.023	3.763	.355
	400T400-33	.0346	33	.415	1.410	1.353	1.805	.731	1.327						.166	2.217	-3.021	3.762	.355

TRUE-TRACK Notes:

1. Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.



TRUE-TRACK™: Physical and Structural Section Properties

5-1/2" Web Track	Design Section	Thickness (in)	Fy (ksi)	Gross Properties						Effective Properties					Torsional Properties				
				Area (in ²)	Weight (lb/ft)	Ixx (in ⁴)	Rx (in)	Iyy (in ⁴)	Ry (in)	Ixx (in ⁴)	Sxx (in ³)	Ma (in-k)	Va (lb)	Ycg (in)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	Ro (in)	ϕ
1-1/4" Leg Track	550T125-15 ¹	.0160	70	.128	.440	.536	2.046	.016	.350						.011	.092	-.547	2.146	.935
	550T125-18 ¹	.0188	70	.150	.510	.627	2.044	.018	.349						.018	.107	-.547	2.144	.935
	550T125-20 ¹	.0210	60	.168	.570	.703	2.046	.020	.349	.448	.091	3.290	152	3.94	.025	.120	-.546	2.146	.935
	550T125-23 ¹	.0245	60	.196	.670	.821	2.046	.024	.348	.564	.120	4.300	242	3.824	.039	.139	-.544	2.146	.936
	550T125-27	.0283	60	.226	.770	.948	2.046	.027	.348	.697	.154	5.530	372	3.711	.060	.160	-.543	2.145	.936
	550T125-30	.0312	60	.250	.850	1.045	2.046	.030	.347	.801	.182	6.550	499	3.633	.081	.176	-.542	2.145	.936
	550T125-33	.0346	33	.277	.940	1.159	2.046	.033	.346	1.029	.270	5.330	680	3.302	.110	.195	-.541	2.145	.936
1-1/2" Leg Track	550T150-15 ¹	.0160	70	.136	.460	.599	2.098	.026	.438						.012	.150	-.721	2.261	.898
	550T150-18 ¹	.0188	70	.160	.540	.703	2.098	.031	.437						.019	.176	-.720	2.260	.899
	550T150-20 ¹	.0210	60	.179	.610	.786	2.098	.034	.437						.026	.196	-.719	2.260	.899
	550T150-23 ¹	.0245	60	.208	.710	.917	2.098	.040	.436	.624	.123	4.410	242	3.899	.042	.228	-.717	2.260	.899
	550T150-27	.0283	60	.241	.820	1.059	2.098	.046	.436	.801	.160	5.730	372	3.770	.064	.263	-.716	2.259	.900
	550T150-30	.0312	60	.265	.900	1.168	2.099	.050	.435	.962	.191	6.860	499	3.676	.086	.289	-.715	2.259	.900
2" Leg Track	550T200-15 ¹	.0160	70	.152	.520	.724	2.182	.058	.616						.013	.324	-1.096	2.518	.811
	550T200-18 ¹	.0188	70	.179	.610	.851	2.182	.068	.616						.021	.380	-1.095	2.518	.811
	550T200-20 ¹	.0210	60	.200	.680	.951	2.183	.076	.615						.029	.424	-1.094	2.518	.811
	550T200-23 ¹	.0245	60	.233	.790	1.109	2.183	.088	.615						.047	.494	-1.092	2.517	.812
	550T200-27	.0283	60	.269	.910	1.282	2.183	.101	.614						.072	.569	-1.090	2.517	.812
	550T200-30	.0312	60	.296	1.010	1.413	2.184	.112	.614						.096	.627	-1.089	2.516	.813
	550T200-33	.0346	33	.329	1.120	1.567	2.184	.123	.613	1.246	.307	6.060	680	3.453	.131	.694	-1.088	2.516	.813
2-1/2" Leg Track	550T250-15 ¹	.0160	70	.168	.570	.850	2.248	.106	.795						.014	.588	-1.498	2.816	.717
	550T250-18 ¹	.0188	70	.197	.670	.999	2.249	.125	.795						.023	.691	-1.496	2.816	.718
	550T250-20 ¹	.0210	60	.221	.750	1.116	2.249	.139	.794						.032	.771	-1.495	2.815	.718
	550T250-23 ¹	.0245	60	.257	.880	1.302	2.249	.162	.794						.051	.899	-1.494	2.814	.718
	550T250-27	.0283	60	.297	1.010	1.504	2.250	.187	.793						.079	1.037	-1.492	2.814	.719
	550T250-30	.0312	60	.328	1.110	1.658	2.250	.206	.792						.106	1.142	-1.491	2.813	.719
	550T250-33	.0346	33	.363	1.240	1.839	2.251	.228	.792						.145	1.265	-1.489	2.812	.720
3" Leg Track	550T300-15 ¹	.0160	70	.184	.630	.975	2.302	.174	.973						.016	.960	-1.918	3.15	.629
	550T300-18 ¹	.0188	70	.216	.740	1.146	2.302	.204	.972						.025	1.127	-1.917	3.150	.630
	550T300-20 ¹	.0210	60	.242	.820	1.280	2.302	.228	.972						.036	1.259	-1.916	3.149	.630
	550T300-23 ¹	.0245	60	.282	.960	1.494	2.303	.266	.971						.056	1.467	-1.914	3.148	.630
	550T300-27	.0283	60	.325	1.110	1.726	2.303	.307	.971						.087	1.693	-1.912	3.147	.631
	550T300-30	.0312	60	.359	1.220	1.904	2.304	.338	.970						.116	1.865	-1.911	3.146	.631
	550T300-33	.0346	33	.398	1.350	2.112	2.304	.374	.969						.159	2.067	-1.909	3.146	.632
3-1/2" Leg Track	550T350-15 ¹	.0160	70	.200	.680	1.101	2.346	.264	1.148						.017	1.455	-2.353	3.515	.552
	550T350-18 ¹	.0188	70	.235	.800	1.294	2.346	.310	1.148						.028	1.708	-2.351	3.514	.552
	550T350-20 ¹	.0210	60	.263	.890	1.445	2.346	.346	1.148						.039	1.907	-2.350	3.514	.553
	550T350-23 ¹	.0245	60	.306	1.040	1.687	2.347	.403	1.147						.061	2.224	-2.349	3.513	.553
	550T350-27	.0283	60	.354	1.200	1.949	2.347	.465	1.146						.094	2.567	-2.347	3.512	.553
	550T350-30	.0312	60	.390	1.330	2.149	2.348	.512	1.146						.127	2.829	-2.345	3.511	.554
	550T350-33	.0346	33	.432	1.470	2.384	2.348	.567	1.145						.173	3.135	-2.343	3.510	.554
4" Leg Track	550T400-15 ¹	.0160	70	.216	.740	1.226	2.382	.378	1.322						.018	2.088	-2.798	3.905	.487
	550T400-18 ¹	.0188	70	.254	.860	1.441	2.383	.443	1.322						.030	2.452	-2.796	3.904	.487
	550T400-20 ¹	.0210	60	.284	.960	1.610	2.383	.495	1.321						.042	2.738	-2.795	3.903	.487
	550T400-23 ¹	.0245	60	.331	1.130	1.879	2.384	.577	1.321						.066	3.193	-2.793	3.902	.488
	550T400-27	.0283	60	.382	1.300	2.171	2.384	.665	1.320						.102	3.686	-2.791	3.901	.488
	550T400-30	.0312	60	.421	1.430	2.395	2.385	.733	1.319						.137	4.063	-2.790	3.900	.488
	550T400-33	.0346	33	.467	1.590	2.656	2.385	.812	1.319						.186	4.503	-2.788	3.899	.489

TRUE-TRACK Notes:

1. Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.



TRUE-TRACK™: Physical and Structural Section Properties

6" Web Track	Design Section	Thickness (in)	Fy (ksi)	Gross Properties						Effective Properties					Torsional Properties				
				Area (in ²)	Weight (lb/ft)	Ixx (in ⁴)	Rx (in)	Iyy (in ⁴)	Ry (in)	Ixx (in ⁴)	Sxx (in ³)	Ma (in-k)	Va (lb)	Ycg (in)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	Ro (in)	ϕ
1-1/4" Leg Track	600T125-15 ¹	.0160	70	.136	.460	.661	2.203	.016	.342						.012	.112	-.523	2.29	.948
	600T125-18 ¹	.0188	70	.160	.540	.773	2.201	.019	.342						.019	.131	-.522	2.288	.948
	600T125-20 ¹	.0210	60	.179	.610	.867	2.204	.021	.341						.026	.146	-.521	2.290	.948
	600T125-23 ¹	.0245	60	.208	.710	1.012	2.204	.024	.341	.683	.131	4.710	221	4.201	.042	.170	-.520	2.290	.948
	600T125-27 ¹	.0283	60	.241	.820	1.168	2.204	.028	.340	.845	.169	6.060	341	4.079	.064	.196	-.519	2.290	.949
	600T125-30	.0312	60	.265	.900	1.288	2.204	.031	.340	.973	.200	7.180	456	3.995	.086	.215	-.518	2.289	.949
	600T125-33	.0346	33	.294	1.000	1.428	2.204	.034	.339	1.258	.297	5.870	622	3.635	.117	.238	-.516	2.289	.949
1-1/2" Leg Track	600T150-15 ¹	.0160	70	.144	.490	.735	2.259	.027	.430						.012	.183	-.691	2.401	.917
	600T150-18 ¹	.0188	70	.169	.580	.864	2.259	.031	.429						.020	.214	-.690	2.401	.917
	600T150-20 ¹	.0210	60	.189	.640	.965	2.259	.035	.429						.028	.239	-.689	2.401	.918
	600T150-23 ¹	.0245	60	.221	.750	1.126	2.259	.040	.428	.714	.132	4.760	221	4.310	.044	.278	-.688	2.400	.918
	600T150-27 ¹	.0283	60	.255	.870	1.300	2.260	.047	.427	.886	.171	6.130	341	4.189	.068	.320	-.686	2.400	.918
	600T150-30	.0312	60	.281	.960	1.434	2.260	.051	.427	1.023	.203	7.280	456	4.104	.091	.352	-.685	2.400	.918
600T150-33	.0346	33	.311	1.060	1.590	2.260	.057	.426	1.334	.303	5.990	622	3.737	.124	.390	-.684	2.399	.919	
2" Leg Track	600T200-15 ¹	.0160	70	.160	.540	.884	2.350	.059	.608						.014	.395	-1.056	2.647	.841
	600T200-18 ¹	.0188	70	.188	.640	1.039	2.350	.069	.607						.022	.464	-1.055	2.647	.841
	600T200-20 ¹	.0210	60	.210	.710	1.161	2.350	.077	.607						.031	.517	-1.054	2.646	.841
	600T200-23 ¹	.0245	60	.245	.830	1.354	2.351	.090	.606						.049	.603	-1.053	2.646	.842
	600T200-27 ¹	.0283	60	.283	.960	1.564	2.351	.104	.605						.076	.695	-1.051	2.646	.842
	600T200-30	.0312	60	.312	1.060	1.725	2.351	.114	.605						.101	.765	-1.050	2.645	.843
	600T200-33	.0346	33	.346	1.180	1.913	2.352	.126	.604	1.542	.333	6.590	622	3.803	.138	.847	-1.048	2.645	.843
2-1/2" Leg Track	600T250-15 ¹	.0160	70	.176	.600	1.033	2.422	.109	.787						.015	.718	-1.449	2.93	.755
	600T250-18 ¹	.0188	70	.207	.700	1.214	2.422	.128	.786						.024	.843	-1.448	2.930	.756
	600T250-20 ¹	.0210	60	.231	.790	1.356	2.423	.143	.786						.034	.941	-1.447	2.929	.756
	600T250-23 ¹	.0245	60	.270	.920	1.582	2.423	.166	.785						.054	1.096	-1.445	2.929	.756
	600T250-27 ¹	.0283	60	.311	1.060	1.828	2.423	.192	.784						.083	1.265	-1.444	2.928	.757
	600T250-30	.0312	60	.343	1.170	2.016	2.424	.211	.784						.111	1.393	-1.442	2.927	.757
	600T250-33	.0346	33	.380	1.290	2.236	2.424	.233	.783						.152	1.543	-1.441	2.927	.758
3" Leg Track	600T300-15 ¹	.0160	70	.192	.650	1.182	2.481	.179	.965						.016	1.171	-1.862	3.248	.671
	600T300-18 ¹	.0188	70	.226	.770	1.389	2.481	.210	.964						.027	1.375	-1.861	3.248	.672
	600T300-20 ¹	.0210	60	.252	.860	1.552	2.481	.234	.964						.037	1.535	-1.860	3.247	.672
	600T300-23 ¹	.0245	60	.294	1.000	1.811	2.482	.273	.963						.059	1.789	-1.858	3.247	.672
	600T300-27 ¹	.0283	60	.340	1.160	2.092	2.482	.315	.963						.091	2.064	-1.856	3.246	.673
	600T300-30	.0312	60	.374	1.270	2.307	2.482	.347	.962						.121	2.274	-1.855	3.245	.673
	600T300-33	.0346	33	.415	1.410	2.559	2.483	.384	.962						.166	2.520	-1.853	3.244	.674
3-1/2" Leg Track	600T350-15 ¹	.0160	70	.208	.710	1.331	2.529	.271	1.142						.018	1.772	-2.290	3.598	.595
	600T350-18 ¹	.0188	70	.244	.830	1.564	2.529	.318	1.141						.029	2.081	-2.289	3.597	.595
	600T350-20 ¹	.0210	60	.273	.930	1.747	2.530	.355	1.141						.040	2.324	-2.287	3.596	.595
	600T350-23 ¹	.0245	60	.319	1.080	2.039	2.530	.414	1.140						.064	2.709	-2.286	3.595	.596
	600T350-27 ¹	.0283	60	.368	1.250	2.356	2.531	.478	1.139						.098	3.127	-2.284	3.594	.596
	600T350-30	.0312	60	.406	1.380	2.598	2.531	.526	1.139						.132	3.445	-2.282	3.593	.597
	600T350-33	.0346	33	.450	1.530	2.882	2.532	.583	1.138						.179	3.818	-2.281	3.593	.597
4" Leg Track	600T400-15 ¹	.0160	70	.224	.760	1.480	2.570	.388	1.317						.019	2.541	-2.729	3.973	.528
	600T400-18 ¹	.0188	70	.263	.900	1.739	2.570	.456	1.316						.031	2.984	-2.727	3.972	.529
	600T400-20 ¹	.0210	60	.294	1.000	1.943	2.571	.509	1.316						.043	3.332	-2.726	3.971	.529
	600T400-23 ¹	.0245	60	.343	1.170	2.267	2.571	.593	1.315						.069	3.886	-2.724	3.970	.529
	600T400-27 ¹	.0283	60	.396	1.350	2.620	2.572	.684	1.314						.106	4.486	-2.722	3.969	.529
	600T400-30	.0312	60	.437	1.490	2.889	2.572	.754	1.314						.142	4.943	-2.721	3.968	.530
	600T400-33	.0346	33	.484	1.650	3.205	2.573	.835	1.313						.193	5.479	-2.719	3.967	.530

TRUE-TRACK Notes:

1. Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.