



SUBSTITUTION REQUEST

(During the Bidding/Negotiating Stage)

Project: _____ Substitution Request Number: _____

 From: _____
 To: _____ Date: _____

 A/E Project Number: _____
 Re: Substitution Request- Metal Framing (drywall) Contract For: _____

Specification Title: _____ Description: _____
 Section: _____ Page: _____ Article/Paragraph: _____

Proposed Substitution: Dietrich Metal Framing ProSTUD™ for traditional metal framing

Manufacturer: Dietrich Metal Framing Phone: _____

Address: _____

Trade Name: Dietrich Metal Framing ProSTUD™ Drywall Framing System Model No.: Pro 25, 22, 20, 20STR, 30Mil, 33Mil

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: _____

Signed by: _____

Firm: _____

Address: _____

Telephone: _____

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by: _____ Date: _____

Supporting Data Attached: Drawings Product Data Samples Tests Reports _____

Dietrich ProSTUD™ Pro 25 — Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PSTN	0.0158	15	0.015	70	0.071	0.241	0.033	0.041	0.688	0.015	0.466	0.028	0.028	0.022	902	0.00589	0.009	-1.088	1.369	0.368
2-1/2	PSTN	0.0158	15	0.015	70	0.085	0.288	0.088	0.070	1.020	0.018	0.459	0.029	0.077	0.038	1582	0.00704	0.023	-0.959	1.473	0.576
3-1/2	PSTN	0.0158	15	0.015	70	0.100	0.342	0.190	0.109	1.377	0.020	0.444	0.029	0.147	0.049	2049	0.00835	0.048	-0.849	1.677	0.744
3-5/8	PSTN	0.0158	15	0.015	70	0.102	0.348	0.206	0.114	1.420	0.020	0.442	0.029	0.159	0.051	2128	0.00852	0.051	-0.837	1.706	0.760
4	PSTN*	0.0158	15	0.015	70	0.108	0.369	0.260	0.130	1.549	0.021	0.436	0.029	0.197	0.056	2364	0.00901	0.064	-0.803	1.798	0.800
5-1/2	PSTN**	0.0158	15	0.015	70	0.132	0.449	0.553	0.201	2.047	0.022	0.411	0.029	0.410	0.084	3502	0.01098	0.132	-0.695	2.201	0.900
6	PSTN**	0.0158	15	0.015	70	0.140	0.476	0.683	0.228	2.209	0.023	0.404	0.029	0.495	0.091	3827	0.01164	0.161	-0.666	2.343	0.919

Dietrich ProTRAK™ Pro 25 — 1" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTNA	0.0158	15	0.015	50	0.057	0.195	0.028	0.033	0.698	0.006	0.325	0.020	0.019	0.016	470	0.00476	0.003	-0.659	1.014	0.578
2-1/2	PTNA	0.0158	15	0.015	50	0.071	0.242	0.072	0.056	1.007	0.007	0.311	0.020	0.054	0.024	725	0.00591	0.008	-0.566	1.197	0.776
3-1/2	PTNA	0.0158	15	0.015	50	0.087	0.296	0.156	0.088	1.341	0.007	0.294	0.021	0.112	0.034	1017	0.00723	0.017	-0.490	1.458	0.887
3-5/8	PTNA	0.0158	15	0.015	50	0.089	0.302	0.170	0.092	1.382	0.008	0.292	0.021	0.120	0.035	1054	0.00739	0.019	-0.482	1.492	0.896
4	PTNA*	0.0158	15	0.015	50	0.095	0.323	0.214	0.105	1.503	0.008	0.286	0.021	0.138	0.038	1147	0.00789	0.023	-0.459	1.597	0.917
5-1/2	PTNA**	0.0158	15	0.015	50	0.118	0.403	0.463	0.166	1.976	0.008	0.264	0.021	0.277	0.053	1595	0.00986	0.049	-0.388	2.031	0.964
6	PTNA**	0.0158	15	0.015	50	0.126	0.430	0.574	0.189	2.131	0.008	0.257	0.021	0.334	0.058	1744	0.01052	0.059	-0.369	2.178	0.971

Dietrich ProTRAK™ Pro 25 — 1-1/4" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTNB	0.0158	15	0.015	50	0.065	0.222	0.034	0.040	0.717	0.011	0.412	0.020	0.021	0.016	464	0.00542	0.006	-0.881	1.208	0.468
2-1/2	PTNB	0.0158	15	0.015	50	0.079	0.269	0.085	0.066	1.038	0.013	0.400	0.020	0.059	0.024	724	0.00657	0.015	-0.771	1.353	0.675
3-1/2	PTNB	0.0158	15	0.015	50	0.095	0.323	0.181	0.101	1.383	0.014	0.383	0.021	0.116	0.034	1022	0.00789	0.031	-0.678	1.587	0.818
3-5/8	PTNB	0.0158	15	0.015	50	0.097	0.329	0.196	0.106	1.425	0.014	0.381	0.021	0.125	0.035	1059	0.00805	0.034	-0.668	1.619	0.830
4	PTNB*	0.0158	15	0.015	50	0.103	0.349	0.247	0.121	1.550	0.014	0.374	0.021	0.153	0.039	1171	0.00854	0.043	-0.640	1.718	0.861
5-1/2	PTNB**	0.0158	15	0.015	50	0.126	0.430	0.524	0.188	2.036	0.015	0.350	0.021	0.290	0.054	1611	0.01052	0.089	-0.549	2.137	0.934
6	PTNB**	0.0158	15	0.015	50	0.134	0.457	0.646	0.213	2.194	0.016	0.343	0.021	0.350	0.059	1762	0.01117	0.108	-0.524	2.282	0.947

Dietrich ProTRAK™ Pro 25 — 1-1/2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTNC	0.0158	15	0.015	50	0.073	0.249	0.039	0.046	0.731	0.018	0.497	0.020	0.023	0.015	460	0.00608	0.009	-1.110	1.419	0.388
2-1/2	PTNC	0.0158	15	0.015	50	0.087	0.296	0.098	0.076	1.062	0.021	0.489	0.020	0.061	0.024	723	0.00723	0.024	-0.985	1.529	0.585
3-1/2	PTNC	0.0158	15	0.015	50	0.103	0.349	0.206	0.115	1.417	0.023	0.473	0.021	0.120	0.034	1024	0.00854	0.051	-0.877	1.732	0.744
3-5/8	PTNC	0.0158	15	0.015	50	0.105	0.356	0.223	0.121	1.460	0.023	0.470	0.021	0.129	0.035	1061	0.00871	0.056	-0.865	1.761	0.759
4	PTNC*	0.0158	15	0.015	50	0.111	0.376	0.279	0.137	1.589	0.024	0.464	0.021	0.158	0.039	1175	0.00920	0.070	-0.832	1.852	0.798
5-1/2	PTNC**	0.0158	15	0.015	50	0.134	0.457	0.585	0.210	2.087	0.026	0.438	0.021	0.307	0.054	1628	0.01117	0.145	-0.722	2.251	0.897
6	PTNC**	0.0158	15	0.015	50	0.142	0.484	0.719	0.237	2.249	0.026	0.430	0.021	0.363	0.059	1774	0.01183	0.177	-0.692	2.392	0.916

Dietrich ProTRAK™ Pro 25 — 2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTND	0.0158	15	0.015	50	0.089	0.302	0.050	0.059	0.752	0.039	0.663	0.020	0.025	0.015	455	0.00739	0.020	-1.579	1.870	0.287
2-1/2	PTND	0.0158	15	0.015	50	0.103	0.349	0.124	0.096	1.098	0.045	0.662	0.021	0.064	0.024	720	0.00854	0.052	-1.431	1.921	0.445
3-1/2	PTND	0.0158	15	0.015	50	0.118	0.403	0.256	0.143	1.470	0.050	0.650	0.021	0.127	0.034	1025	0.00986	0.111	-1.297	2.066	0.606
3-5/8	PTND	0.0158	15	0.015	50	0.120	0.410	0.277	0.150	1.516	0.051	0.648	0.021	0.137	0.036	1063	0.01002	0.120	-1.282	2.088	0.623
4	PTND*	0.0158	15	0.015	50	0.126	0.430	0.344	0.169	1.650	0.052	0.642	0.021	0.168	0.039	1178	0.01052	0.151	-1.240	2.162	0.671
5-1/2	PTND**	0.0158	15	0.015	50	0.150	0.511	0.707	0.254	2.170	0.057	0.617	0.021	0.325	0.055	1637	0.01249	0.314	-1.098	2.509	0.809
6	PTND**	0.0158	15	0.015	50	0.158	0.538	0.864	0.285	2.338	0.058	0.608	0.021	0.389	0.060	1789	0.01315	0.383	-1.058	2.638	0.839

Dietrich ProTRAK™ Pro 25 — 2-1/2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTNE	0.0158	15	0.015	50	0.105	0.356	0.061	0.072	0.766	0.071	0.824	0.020	0.027	0.015	455	0.00871	0.038	-2.058	2.345	0.230
2-1/2	PTNE	0.0158	15	0.015	50	0.118	0.403	0.150	0.116	1.123	0.082	0.831	0.021	0.066	0.024	725	0.00986	0.096	-1.892	2.352	0.353
3-1/2	PTNE	0.0158	15	0.015	50	0.134	0.457	0.306	0.171	1.510	0.091	0.825	0.021	0.132	0.035	1034	0.01117	0.203	-1.737	2.445	0.495
3-5/8	PTNE	0.0158	15	0.015	50	0.136	0.464	0.330	0.179	1.557	0.092	0.823	0.021	0.142	0.036	1073	0.01134	0.220	-1.720	2.462	0.512
4	PTNE*	0.0158	15	0.015	50	0.142	0.484	0.409	0.201	1.696	0.095	0.819	0.021	0.174	0.040	1189	0.01183	0.275	-1.670	2.517	0.560
5-1/2	PTNE**	0.0158	15	0.015	50	0.166	0.564	0.829	0.297	2.235	0.105	0.795	0.021	0.337	0.055	1654	0.01380	0.570	-1.500	2.807	0.714
6	PTNE**	0.0158	15	0.015	50	0.174	0.591	1.009	0.332	2.409	0.108	0.787	0.021	0.404	0.060	1809	0.01446	0.697	-1.452	2.921	0.753

Dietrich ProTRAK™ Pro 25 — 3" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTNF	0.0158	15	0.015	50	0.120	0.410	0.073	0.086	0.776	0.116	0.981	0.020	0.027	0.016	465	0.01002	0.063	-2.542	2.834	0.195
2-1/2	PTNF	0.0158	15	0.015	50	0.134	0.457														

Dietrich ProSTUD™ Pro 22 — Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in³)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PSTH	0.0188	18	0.018	70	0.084	0.286	0.040	0.049	0.687	0.018	0.464	0.036	0.033	0.027	1140	0.00989	0.011	-1.085	1.365	0.369
2-1/2	PSTH	0.0188	18	0.018	70	0.100	0.342	0.104	0.083	1.018	0.021	0.457	0.037	0.092	0.049	2059	0.01183	0.027	-0.955	1.469	0.577
3-1/2	PSTH	0.0188	18	0.018	70	0.119	0.406	0.225	0.129	1.375	0.023	0.443	0.037	0.179	0.063	2622	0.01404	0.056	-0.845	1.673	0.745
3-5/8	PSTH	0.0188	18	0.018	70	0.122	0.414	0.244	0.135	1.418	0.024	0.441	0.037	0.194	0.065	2723	0.01432	0.061	-0.833	1.703	0.761
4	PSTH*	0.0188	18	0.018	70	0.129	0.438	0.308	0.154	1.547	0.024	0.434	0.037	0.241	0.072	3028	0.01515	0.076	-0.800	1.795	0.801
5-1/2	PSTH*	0.0188	18	0.018	70	0.157	0.534	0.656	0.239	2.045	0.026	0.410	0.037	0.503	0.108	4525	0.01847	0.155	-0.692	2.198	0.901
6	PSTH**	0.0188	18	0.018	70	0.166	0.566	0.810	0.270	2.207	0.027	0.402	0.037	0.609	0.118	4946	0.01958	0.190	-0.663	2.340	0.920

Dietrich ProTRAK™ Pro 22 — 1" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in³)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTHA	0.0188	18	0.018	50	0.068	0.232	0.033	0.039	0.699	0.007	0.325	0.027	0.024	0.021	638	0.00802	0.004	-0.657	1.013	0.579
2-1/2	PTHA	0.0188	18	0.018	50	0.085	0.288	0.086	0.067	1.008	0.008	0.311	0.028	0.066	0.034	1014	0.00996	0.009	-0.564	1.196	0.777
3-1/2	PTHA	0.0188	18	0.018	50	0.103	0.352	0.186	0.104	1.342	0.009	0.293	0.028	0.152	0.047	1411	0.01218	0.020	-0.488	1.458	0.888
3-5/8	PTHA	0.0188	18	0.018	50	0.106	0.360	0.202	0.109	1.382	0.009	0.291	0.028	0.165	0.049	1461	0.01245	0.022	-0.480	1.492	0.896
4	PTHA*	0.0188	18	0.018	50	0.113	0.384	0.255	0.125	1.504	0.009	0.285	0.028	0.180	0.052	1570	0.01328	0.028	-0.458	1.597	0.918
5-1/2	PTHA*	0.0188	18	0.018	50	0.141	0.480	0.551	0.198	1.977	0.010	0.263	0.029	0.362	0.073	2190	0.01661	0.058	-0.387	2.031	0.964
6	PTHA**	0.0188	18	0.018	50	0.150	0.512	0.683	0.225	2.132	0.010	0.257	0.029	0.439	0.080	2396	0.01771	0.070	-0.368	2.178	0.971

Dietrich ProTRAK™ Pro 22 — 1-1/4" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in³)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTHB	0.0188	18	0.018	50	0.078	0.264	0.040	0.047	0.718	0.013	0.411	0.027	0.026	0.022	649	0.00913	0.007	-0.879	1.208	0.470
2-1/2	PTHB	0.0188	18	0.018	50	0.094	0.320	0.101	0.079	1.038	0.015	0.400	0.028	0.072	0.034	1008	0.01107	0.017	-0.770	1.353	0.676
3-1/2	PTHB	0.0188	18	0.018	50	0.113	0.384	0.216	0.121	1.383	0.017	0.383	0.028	0.159	0.047	1416	0.01328	0.037	-0.676	1.587	0.818
3-5/8	PTHB	0.0188	18	0.018	50	0.115	0.392	0.234	0.126	1.426	0.017	0.380	0.029	0.170	0.049	1467	0.01356	0.040	-0.666	1.619	0.831
4	PTHB*	0.0188	18	0.018	50	0.122	0.416	0.294	0.144	1.550	0.017	0.374	0.029	0.207	0.054	1621	0.01439	0.051	-0.638	1.718	0.862
5-1/2	PTHB*	0.0188	18	0.018	50	0.150	0.512	0.623	0.224	2.036	0.018	0.349	0.029	0.382	0.074	2217	0.01771	0.105	-0.548	2.137	0.934
6	PTHB**	0.0188	18	0.018	50	0.160	0.544	0.769	0.253	2.195	0.019	0.342	0.029	0.461	0.081	2425	0.01882	0.129	-0.523	2.282	0.947

Dietrich ProTRAK™ Pro 22 — 1-1/2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in³)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTHC	0.0188	18	0.018	50	0.087	0.296	0.047	0.055	0.733	0.021	0.496	0.028	0.028	0.021	640	0.01024	0.011	-1.108	1.418	0.389
2-1/2	PTHC	0.0188	18	0.018	50	0.103	0.352	0.117	0.091	1.063	0.025	0.488	0.028	0.078	0.034	1003	0.01218	0.028	-0.984	1.528	0.586
3-1/2	PTHC	0.0188	18	0.018	50	0.122	0.416	0.246	0.137	1.418	0.027	0.472	0.029	0.163	0.047	1418	0.01439	0.061	-0.875	1.732	0.745
3-5/8	PTHC	0.0188	18	0.018	50	0.125	0.424	0.266	0.144	1.461	0.027	0.470	0.029	0.175	0.049	1469	0.01467	0.066	-0.863	1.761	0.760
4	PTHC*	0.0188	18	0.018	50	0.132	0.448	0.332	0.163	1.589	0.028	0.463	0.029	0.214	0.054	1625	0.01550	0.083	-0.830	1.852	0.799
5-1/2	PTHC*	0.0188	18	0.018	50	0.160	0.544	0.696	0.250	2.087	0.031	0.438	0.029	0.412	0.075	2250	0.01882	0.172	-0.721	2.251	0.897
6	PTHC**	0.0188	18	0.018	50	0.169	0.576	0.856	0.282	2.249	0.031	0.429	0.029	0.481	0.082	2445	0.01993	0.211	-0.691	2.392	0.916

Dietrich ProTRAK™ Pro 22 — 2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in³)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTHD	0.0188	18	0.018	50	0.106	0.360	0.060	0.070	0.753	0.046	0.662	0.028	0.032	0.021	629	0.01245	0.024	-1.577	1.869	0.288
2-1/2	PTHD	0.0188	18	0.018	50	0.122	0.416	0.147	0.114	1.099	0.053	0.661	0.028	0.086	0.033	996	0.01439	0.062	-1.430	1.920	0.446
3-1/2	PTHD	0.0188	18	0.018	50	0.141	0.480	0.305	0.171	1.471	0.059	0.650	0.029	0.171	0.047	1418	0.01661	0.132	-1.295	2.065	0.607
3-5/8	PTHD	0.0188	18	0.018	50	0.143	0.488	0.330	0.178	1.517	0.060	0.648	0.029	0.184	0.049	1470	0.01688	0.143	-1.281	2.088	0.624
4	PTHD*	0.0188	18	0.018	50	0.150	0.512	0.410	0.201	1.651	0.062	0.642	0.029	0.225	0.054	1629	0.01771	0.179	-1.238	2.161	0.672
5-1/2	PTHD*	0.0188	18	0.018	50	0.179	0.608	0.841	0.302	2.171	0.068	0.616	0.029	0.436	0.076	2264	0.02104	0.373	-1.096	2.509	0.809
6	PTHD**	0.0188	18	0.018	50	0.188	0.640	1.028	0.338	2.339	0.069	0.607	0.029	0.522	0.083	2475	0.02214	0.456	-1.057	2.637	0.839

Dietrich ProTRAK™ Pro 22 — 2-1/2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in³)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTHE	0.0188	18	0.018	50	0.125	0.424	0.073	0.086	0.767	0.084	0.823	0.028	0.034	0.021	623	0.01467	0.045	-2.056	2.344	0.231
2-1/2	PTHE	0.0188	18	0.018	50	0.141	0.480	0.178	0.138	1.124	0.097	0.830	0.028	0.089	0.033	991	0.01661	0.114	-1.891	2.351	0.353
3-1/2	PTHE	0.0188	18	0.018	50	0.160	0.544	0.365	0.204	1.511	0.108	0.824	0.029	0.179	0.047	1416	0.01882	0.242	-1.736	2.444	0.496
3-5/8	PTHE	0.0188	18	0.018	50	0.162	0.552	0.393	0.212	1.558	0.110	0.823	0.029	0.192	0.049	1469	0.01910	0.262	-1.718	2.461	0.512
4	PTHE*	0.0188	18	0.018	50	0.169	0.576	0.487	0.239	1.697	0.113	0.818	0.029	0.235	0.054	1629	0.01993	0.327	-1.669	2.517	0.560
5-1/2	PTHE*	0.0188	18	0.018	50	0.197	0.672	0.987	0.354	2.236	0.125	0.795	0.029	0.455	0.076	2269	0.02325	0.678	-1.499	2.807	0.715
6	PTHE**	0.0188	18	0.018	50	0.207	0.704	1.201	0.395	2.410	0.128	0.786	0.029	0.545	0.083	2483	0.02436	0.829	-1.450	2.920	0.753

Dietrich ProTRAK™ Pro 22 — 3" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in³)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTHF	0.0188	18	0.018	50	0.143	0.488	0.087	0.102	0.777	0.138	0.981	0.028	0.036	0.021	635	0.01688	0.075	-2.540	2.832	0.195
2-1/2	PTHF	0.0188	18	0.018	50	0.160	0.544	0.209													

Dietrich ProSTUD™ Pro 20 — Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy					Torsional Properties				
						Area (in ²)	Weight (lb/ft)	Ixx (in ⁴)	Sxx (in ⁶)	Rx (in)	Iyy (in ⁴)	Ry (in)	A (in ²)	Ixe ^A (in ⁴)	Sxe (in ⁶)	Allowable Moment ^B (in-lbs)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PSTE	0.0232	22	0.022	65	0.103	0.351	0.048	0.059	0.685	0.022	0.462	0.051	0.042	0.037	1444	0.01850	0.013	-1.079	1.359	0.369
2-1/2	PSTE	0.0232	22	0.022	65	0.123	0.420	0.127	0.102	1.016	0.026	0.455	0.052	0.114	0.071	2765	0.02214	0.033	-0.950	1.464	0.579
3-1/2	PSTE	0.0232	22	0.022	65	0.147	0.499	0.276	0.158	1.372	0.028	0.440	0.052	0.232	0.087	3389	0.02630	0.068	-0.840	1.668	0.746
3-5/8	PSTE	0.0232	22	0.022	65	0.150	0.509	0.300	0.166	1.417	0.029	0.438	0.052	0.252	0.091	3526	0.02684	0.074	-0.828	1.699	0.762
4	PSTE	0.0232	22	0.022	65	0.158	0.538	0.377	0.189	1.544	0.030	0.432	0.052	0.313	0.101	3924	0.02838	0.092	-0.795	1.790	0.803
5-1/2	PSTE*	0.0232	22	0.022	65	0.193	0.657	0.805	0.293	2.043	0.032	0.408	0.053	0.662	0.152	5935	0.03463	0.189	-0.688	2.193	0.902
6	PSTE*	0.0232	22	0.022	65	0.205	0.696	0.994	0.331	2.204	0.033	0.400	0.053	0.802	0.167	6495	0.03671	0.231	-0.658	2.335	0.921

Dietrich ProTRAK™ Pro 20 — 1" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy					Torsional Properties				
						Area (in ²)	Weight (lb/ft)	Ixx (in ⁴)	Sxx (in ⁶)	Rx (in)	Iyy (in ⁴)	Ry (in)	A (in ²)	Ixe ^A (in ⁴)	Sxe (in ⁶)	Allowable Moment ^B (in-lbs)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTEA	0.0232	22	0.022	50	0.084	0.286	0.041	0.048	0.701	0.009	0.324	0.040	0.031	0.028	844	0.01507	0.004	-0.655	1.012	0.582
2-1/2	PTEA	0.0232	22	0.022	50	0.104	0.355	0.106	0.082	1.009	0.010	0.310	0.041	0.084	0.052	1550	0.01871	0.012	-0.562	1.196	0.779
3-1/2	PTEA	0.0232	22	0.022	50	0.128	0.434	0.230	0.128	1.343	0.011	0.292	0.042	0.192	0.071	2123	0.02288	0.025	-0.487	1.458	0.889
3-5/8	PTEA	0.0232	22	0.022	50	0.130	0.444	0.250	0.135	1.384	0.011	0.290	0.042	0.210	0.073	2197	0.02341	0.027	-0.478	1.493	0.897
4	PTEA	0.0232	22	0.022	50	0.139	0.473	0.315	0.154	1.504	0.011	0.284	0.042	0.244	0.076	2289	0.02496	0.034	-0.456	1.598	0.918
5-1/2	PTEA*	0.0232	22	0.022	50	0.174	0.592	0.680	0.243	1.977	0.012	0.262	0.043	0.498	0.107	3209	0.03120	0.071	-0.385	2.032	0.964
6	PTEA*	0.0232	22	0.022	50	0.186	0.631	0.843	0.277	2.132	0.012	0.256	0.043	0.604	0.117	3516	0.03328	0.086	-0.367	2.178	0.972

Dietrich ProTRAK™ Pro 20 — 1-1/4" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy					Torsional Properties				
						Area (in ²)	Weight (lb/ft)	Ixx (in ⁴)	Sxx (in ⁶)	Rx (in)	Iyy (in ⁴)	Ry (in)	A (in ²)	Ixe ^A (in ⁴)	Sxe (in ⁶)	Allowable Moment ^B (in-lbs)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTEB	0.0232	22	0.022	50	0.096	0.325	0.050	0.058	0.720	0.016	0.411	0.040	0.034	0.029	877	0.01715	0.008	-0.877	1.206	0.472
2-1/2	PTEB	0.0232	22	0.022	50	0.116	0.394	0.125	0.097	1.040	0.018	0.399	0.041	0.092	0.051	1525	0.02079	0.021	-0.767	1.352	0.678
3-1/2	PTEB	0.0232	22	0.022	50	0.139	0.473	0.267	0.149	1.384	0.020	0.382	0.042	0.209	0.071	2120	0.02496	0.046	-0.674	1.587	0.819
3-5/8	PTEB	0.0232	22	0.022	50	0.142	0.483	0.290	0.156	1.428	0.020	0.379	0.042	0.228	0.073	2197	0.02549	0.050	-0.664	1.620	0.832
4	PTEB	0.0232	22	0.022	50	0.151	0.513	0.363	0.178	1.551	0.021	0.373	0.042	0.290	0.081	2419	0.02704	0.062	-0.636	1.718	0.863
5-1/2	PTEB*	0.0232	22	0.022	50	0.186	0.631	0.770	0.276	2.037	0.023	0.349	0.043	0.527	0.109	3258	0.03328	0.130	-0.546	2.138	0.935
6	PTEB*	0.0232	22	0.022	50	0.197	0.671	0.950	0.312	2.195	0.023	0.341	0.043	0.638	0.119	3568	0.03536	0.158	-0.522	2.282	0.948

Dietrich ProTRAK™ Pro 20 — 1-1/2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy					Torsional Properties				
						Area (in ²)	Weight (lb/ft)	Ixx (in ⁴)	Sxx (in ⁶)	Rx (in)	Iyy (in ⁴)	Ry (in)	A (in ²)	Ixe ^A (in ⁴)	Sxe (in ⁶)	Allowable Moment ^B (in-lbs)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTEC	0.0232	22	0.022	50	0.107	0.365	0.058	0.068	0.734	0.026	0.496	0.040	0.037	0.030	902	0.01923	0.013	-1.105	1.417	0.391
2-1/2	PTEC	0.0232	22	0.022	50	0.128	0.434	0.144	0.112	1.064	0.030	0.487	0.042	0.100	0.050	1508	0.02288	0.035	-0.981	1.527	0.587
3-1/2	PTEC	0.0232	22	0.022	50	0.151	0.513	0.303	0.169	1.419	0.033	0.471	0.042	0.224	0.071	2117	0.02704	0.075	-0.873	1.731	0.746
3-5/8	PTEC	0.0232	22	0.022	50	0.154	0.523	0.329	0.177	1.463	0.034	0.469	0.042	0.244	0.073	2195	0.02757	0.082	-0.861	1.761	0.761
4	PTEC	0.0232	22	0.022	50	0.162	0.552	0.411	0.201	1.590	0.035	0.462	0.043	0.311	0.081	2422	0.02912	0.102	-0.828	1.852	0.800
5-1/2	PTEC*	0.0232	22	0.022	50	0.197	0.671	0.859	0.308	2.088	0.038	0.437	0.043	0.591	0.112	3342	0.03536	0.212	-0.719	2.251	0.898
6	PTEC*	0.0232	22	0.022	50	0.209	0.710	1.056	0.347	2.250	0.038	0.429	0.043	0.668	0.120	3604	0.03744	0.259	-0.690	2.392	0.917

Dietrich ProTRAK™ Pro 20 — 2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy					Torsional Properties				
						Area (in ²)	Weight (lb/ft)	Ixx (in ⁴)	Sxx (in ⁶)	Rx (in)	Iyy (in ⁴)	Ry (in)	A (in ²)	Ixe ^A (in ⁴)	Sxe (in ⁶)	Allowable Moment ^B (in-lbs)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTED	0.0232	22	0.022	50	0.130	0.444	0.074	0.087	0.755	0.057	0.661	0.041	0.041	0.031	935	0.02340	0.030	-1.574	1.867	0.289
2-1/2	PTED	0.0232	22	0.022	50	0.151	0.513	0.182	0.141	1.100	0.066	0.660	0.042	0.112	0.050	1485	0.02704	0.076	-1.427	1.919	0.447
3-1/2	PTED	0.0232	22	0.022	50	0.174	0.592	0.377	0.210	1.473	0.073	0.649	0.043	0.249	0.070	2109	0.03120	0.163	-1.293	2.064	0.608
3-5/8	PTED	0.0232	22	0.022	50	0.177	0.602	0.408	0.220	1.519	0.074	0.647	0.043	0.268	0.073	2189	0.03173	0.177	-1.278	2.088	0.625
4	PTED	0.0232	22	0.022	50	0.186	0.631	0.506	0.248	1.652	0.076	0.641	0.043	0.326	0.081	2421	0.03328	0.221	-1.236	2.161	0.673
5-1/2	PTED*	0.0232	22	0.022	50	0.220	0.750	1.039	0.372	2.172	0.083	0.615	0.043	0.623	0.112	3361	0.03952	0.460	-1.094	2.508	0.810
6	PTED*	0.0232	22	0.022	50	0.232	0.789	1.270	0.417	2.340	0.085	0.606	0.043	0.746	0.123	3675	0.04161	0.562	-1.055	2.637	0.840

Dietrich ProTRAK™ Pro 20 — 2-1/2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy					Torsional Properties				
						Area (in ²)	Weight (lb/ft)	Ixx (in ⁴)	Sxx (in ⁶)	Rx (in)	Iyy (in ⁴)	Ry (in)	A (in ²)	Ixe ^A (in ⁴)	Sxe (in ⁶)	Allowable Moment ^B (in-lbs)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTEE	0.0232	22	0.022	50	0.154	0.523	0.091	0.106	0.769	0.104	0.823	0.041	0.045	0.031	921	0.02756	0.055	-2.053	2.342	0.231
2-1/2	PTEE	0.0232	22	0.022	50	0.174	0.592	0.221	0.171	1.126	0.120	0.829	0.042	0.122	0.049	1472	0.03120	0.141	-1.888	2.350	0.354
3-1/2	PTEE	0.0232	22	0.022	50	0.197	0.671	0.451	0.251	1.512	0.134	0.823	0.043	0.258	0.070	2102	0.03536	0.298	-1.733	2.443	0.497
3-5/8	PTEE	0.0232	22	0.022	50	0.200	0.681	0.487	0.262	1.560	0.135	0.822	0.043	0.277	0.073	2183	0.03590	0.324	-1.716	2.460	0.514
4	PTEE	0.0232	22	0.022	50	0.209	0.710	0.602	0.295	1.698	0.139	0.817	0.043	0.338	0.081	2418	0.03744	0.404	-1.666	2.516	0.561
5-1/2	PTEE*	0.0232	22	0.022	50	0.244	0.829	1.218	0.436	2.237	0.154	0.794	0.043	0.651	0.113	3369	0.04369	0.836	-1.496	2.806	0.716
6	PTEE*	0.0232	22	0.022	50	0.255	0.868	1.483	0.487	2.411	0.157	0.785	0.043	0.779	0.123	3687	0.04577	1.022	-1.448	2.920	0.754

Dietrich ProTRAK™ Pro 20 — 3" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy					Torsional Properties				
						Area (in ²)	Weight (lb/ft)	Ixx (in ⁴)	Sxx (in ⁶)	Rx (in)	Iyy (in ⁴)	Ry (in)	A (in ²)	Ixe ^A (in ⁴)	Sxe (in ⁶)	Allowable Moment ^B (in-lbs)	Jx1000 (in ⁴)	Cw (in ⁶)	Xo (in)		

Dietrich ProSTUD™ Pro 20 STR — Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PSTX	0.0274	26	0.026	65	0.121	0.412	0.056	0.070	0.683	0.026	0.460	0.065	0.051	0.046	1807	0.03033	0.015	-1.074	1.353	0.370
2-1/2	PSTX	0.0274	26	0.026	65	0.145	0.494	0.149	0.119	1.014	0.030	0.453	0.067	0.136	0.089	3465	0.03633	0.038	-0.945	1.458	0.580
3-1/2	PSTX	0.0274	26	0.026	65	0.173	0.587	0.324	0.185	1.370	0.033	0.438	0.067	0.281	0.111	4316	0.04319	0.079	-0.836	1.664	0.748
3-5/8	PSTX	0.0274	26	0.026	65	0.176	0.599	0.352	0.194	1.413	0.033	0.436	0.067	0.305	0.115	4489	0.04404	0.086	-0.824	1.693	0.763
4	PSTX	0.0274	26	0.026	65	0.186	0.634	0.443	0.221	1.542	0.034	0.430	0.068	0.381	0.129	5008	0.04661	0.107	-0.791	1.785	0.804
5-1/2	PSTX	0.0274	26	0.026	65	0.227	0.774	0.946	0.344	2.040	0.037	0.406	0.068	0.811	0.196	7646	0.05690	0.221	-0.683	2.189	0.903
6	PSTX*	0.0274	26	0.026	65	0.241	0.820	1.168	0.389	2.201	0.038	0.398	0.068	0.985	0.215	8375	0.06033	0.269	-0.654	2.331	0.921

Dietrich ProTRAK™ Pro 20 STR — 1" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTXA	0.0274	26	0.026	50	0.099	0.337	0.049	0.057	0.702	0.010	0.323	0.054	0.039	0.035	1060	0.02481	0.005	-0.652	1.011	0.584
2-1/2	PTXA	0.0274	26	0.026	50	0.123	0.419	0.126	0.097	1.010	0.012	0.309	0.056	0.103	0.065	1959	0.03081	0.014	-0.560	1.196	0.780
3-1/2	PTXA	0.0274	26	0.026	50	0.151	0.512	0.272	0.151	1.343	0.013	0.292	0.057	0.231	0.099	2977	0.03767	0.030	-0.485	1.458	0.889
3-5/8	PTXA	0.0274	26	0.026	50	0.154	0.524	0.295	0.159	1.384	0.013	0.290	0.057	0.252	0.103	3071	0.03853	0.032	-0.477	1.492	0.898
4	PTXA	0.0274	26	0.026	50	0.164	0.559	0.372	0.182	1.505	0.013	0.283	0.057	0.307	0.103	3072	0.04110	0.040	-0.455	1.598	0.919
5-1/2	PTXA	0.0274	26	0.026	50	0.205	0.699	0.803	0.287	1.978	0.014	0.262	0.058	0.634	0.145	4332	0.05139	0.083	-0.384	2.032	0.964
6	PTXA*	0.0274	26	0.026	50	0.219	0.745	0.996	0.327	2.133	0.014	0.255	0.058	0.772	0.159	4751	0.05481	0.102	-0.365	2.179	0.972

Dietrich ProTRAK™ Pro 20 STR — 1-1/4" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTXB	0.0274	26	0.026	50	0.113	0.384	0.059	0.068	0.721	0.019	0.410	0.054	0.043	0.037	1103	0.02824	0.010	-0.874	1.205	0.474
2-1/2	PTXB	0.0274	26	0.026	50	0.137	0.466	0.148	0.114	1.041	0.022	0.398	0.056	0.113	0.068	2042	0.03424	0.025	-0.765	1.352	0.629
3-1/2	PTXB	0.0274	26	0.026	50	0.164	0.559	0.315	0.175	1.385	0.024	0.381	0.057	0.252	0.099	2952	0.04110	0.054	-0.672	1.586	0.870
3-5/8	PTXB	0.0274	26	0.026	50	0.168	0.571	0.342	0.184	1.427	0.024	0.379	0.058	0.275	0.102	3052	0.04196	0.059	-0.663	1.619	0.832
4	PTXB	0.0274	26	0.026	50	0.178	0.605	0.429	0.209	1.552	0.025	0.372	0.058	0.350	0.112	3352	0.04453	0.074	-0.635	1.718	0.863
5-1/2	PTXB	0.0274	26	0.026	50	0.219	0.745	0.909	0.325	2.038	0.027	0.348	0.059	0.674	0.147	4409	0.05481	0.153	-0.544	2.138	0.935
6	PTXB*	0.0274	26	0.026	50	0.233	0.792	1.122	0.368	2.196	0.027	0.340	0.059	0.819	0.161	4833	0.05824	0.187	-0.520	2.282	0.948

Dietrich ProTRAK™ Pro 20 STR — 1-1/2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTXC	0.0274	26	0.026	50	0.127	0.431	0.068	0.080	0.736	0.031	0.495	0.054	0.046	0.038	1136	0.03167	0.016	-1.103	1.415	0.393
2-1/2	PTXC	0.0274	26	0.026	50	0.151	0.512	0.171	0.132	1.065	0.036	0.486	0.057	0.121	0.070	2104	0.03767	0.041	-0.979	1.526	0.588
3-1/2	PTXC	0.0274	26	0.026	50	0.178	0.605	0.359	0.200	1.420	0.039	0.470	0.058	0.271	0.098	2933	0.04453	0.089	-0.871	1.731	0.747
3-5/8	PTXC	0.0274	26	0.026	50	0.181	0.617	0.388	0.209	1.463	0.040	0.468	0.058	0.295	0.101	3036	0.04539	0.096	-0.859	1.760	0.762
4	PTXC	0.0274	26	0.026	50	0.192	0.652	0.485	0.237	1.591	0.041	0.462	0.058	0.375	0.112	3345	0.04796	0.120	-0.826	1.852	0.801
5-1/2	PTXC	0.0274	26	0.026	50	0.233	0.792	1.016	0.363	2.089	0.044	0.436	0.059	0.803	0.153	4588	0.05824	0.250	-0.718	2.251	0.898
6	PTXC*	0.0274	26	0.026	50	0.246	0.839	1.248	0.410	2.251	0.045	0.428	0.059	0.860	0.163	4891	0.06167	0.306	-0.688	2.392	0.917

Dietrich ProTRAK™ Pro 20 STR — 2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTXD	0.0274	26	0.026	50	0.154	0.524	0.088	0.102	0.756	0.067	0.661	0.055	0.052	0.040	1183	0.03853	0.035	-1.572	1.865	0.290
2-1/2	PTXD	0.0274	26	0.026	50	0.178	0.605	0.216	0.166	1.102	0.077	0.660	0.057	0.137	0.069	2053	0.04453	0.090	-1.425	1.918	0.448
3-1/2	PTXD	0.0274	26	0.026	50	0.205	0.699	0.446	0.248	1.474	0.086	0.648	0.058	0.304	0.097	2905	0.05139	0.193	-1.291	2.064	0.609
3-5/8	PTXD	0.0274	26	0.026	50	0.209	0.710	0.482	0.259	1.519	0.087	0.646	0.058	0.331	0.101	3011	0.05224	0.209	-1.276	2.086	0.626
4	PTXD	0.0274	26	0.026	50	0.219	0.745	0.599	0.292	1.653	0.090	0.640	0.059	0.420	0.111	3330	0.05481	0.261	-1.234	2.160	0.674
5-1/2	PTXD	0.0274	26	0.026	50	0.260	0.885	1.228	0.439	2.173	0.098	0.614	0.059	0.836	0.154	4610	0.06510	0.542	-1.093	2.508	0.810
6	PTXD*	0.0274	26	0.026	50	0.274	0.932	1.500	0.492	2.341	0.100	0.606	0.059	0.996	0.168	5038	0.06853	0.663	-1.053	2.637	0.841

Dietrich ProTRAK™ Pro 20 STR — 2-1/2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTXE	0.0274	26	0.026	50	0.181	0.617	0.108	0.125	0.771	0.123	0.822	0.055	0.056	0.041	1215	0.04539	0.066	-2.050	2.340	0.232
2-1/2	PTXE	0.0274	26	0.026	50	0.205	0.699	0.261	0.201	1.128	0.141	0.829	0.057	0.150	0.068	2022	0.05139	0.167	-1.886	2.348	0.355
3-1/2	PTXE	0.0274	26	0.026	50	0.233	0.792	0.533	0.297	1.514	0.157	0.822	0.058	0.332	0.096	2885	0.05824	0.353	-1.731	2.442	0.498
3-5/8	PTXE	0.0274	26	0.026	50	0.236	0.804	0.575	0.309	1.561	0.159	0.821	0.058	0.361	0.100	2993	0.05910	0.382	-1.714	2.459	0.514
4	PTXE	0.0274	26	0.026	50	0.246	0.839	0.712	0.348	1.700	0.164	0.817	0.059	0.455	0.111	3317	0.06167	0.477	-1.664	2.515	0.562
5-1/2	PTXE	0.0274	26	0.026	50	0.288	0.978	1.440	0.515	2.238	0.181	0.793	0.059	0.868	0.154	4617	0.07196	0.987	-1.494	2.806	0.716
6	PTXE*	0.0274	26	0.026	50	0.301	1.025	1.753	0.575	2.412	0.185	0.785	0.060	1.038	0.169	5051	0.07538	1.206	-1.446	2.920	0.755

Dietrich ProTRAK™ Pro 20 STR — 3" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTXF	0.0274	26	0.026	50	0.209	0.710	0.127	0.148	0.781	0.200	0.980	0.055	0.059	0.041	1239	0.05224	0.110	-2.535	2.828	0.196
2-1/2	PTXF	0.0274	26	0.026	50	0.233	0.792	0.306													

Dietrich ProSTUD™ Pro 30 — Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PSTP	0.0312	30	0.030	33	0.137	0.468	0.064	0.078	0.681	0.029	0.458	0.098	0.063	0.067	1332	0.04459	0.017	-1.070	1.348	0.371
2-1/2	PSTP	0.0312	30	0.030	33	0.165	0.561	0.169	0.135	1.012	0.034	0.451	0.106	0.168	0.121	2383	0.05345	0.042	-0.941	1.454	0.581
3-1/2	PSTP	0.0312	30	0.030	33	0.196	0.667	0.367	0.210	1.368	0.037	0.436	0.107	0.355	0.169	3347	0.06357	0.089	-0.831	1.659	0.749
3-5/8	PSTP	0.0312	30	0.030	33	0.200	0.680	0.398	0.220	1.411	0.038	0.434	0.107	0.385	0.176	3488	0.06484	0.096	-0.820	1.689	0.764
4	PSTP	0.0312	30	0.030	33	0.212	0.720	0.501	0.251	1.540	0.039	0.428	0.108	0.485	0.198	3910	0.06864	0.120	-0.787	1.781	0.805
5-1/2	PSTP	0.0312	30	0.030	33	0.258	0.879	1.072	0.390	2.037	0.042	0.404	0.109	1.048	0.307	6065	0.08382	0.248	-0.680	2.185	0.903
6	PSTP	0.0312	30	0.030	33	0.274	0.932	1.324	0.441	2.199	0.043	0.396	0.109	1.281	0.338	6671	0.08888	0.303	-0.651	2.327	0.922

Dietrich ProTRAK™ Pro 30 — 1" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTPA	0.0312	30	0.030	33	0.113	0.384	0.056	0.065	0.703	0.012	0.322	0.078	0.049	0.046	908	0.03662	0.006	-0.650	1.011	0.586
2-1/2	PTPA	0.0312	30	0.030	33	0.140	0.477	0.143	0.110	1.011	0.013	0.308	0.083	0.127	0.083	1635	0.04548	0.016	-0.559	1.196	0.782
3-1/2	PTPA	0.0312	30	0.030	33	0.171	0.583	0.310	0.172	1.344	0.015	0.291	0.086	0.279	0.135	2666	0.05560	0.034	-0.483	1.458	0.890
3-5/8	PTPA	0.0312	30	0.030	33	0.175	0.596	0.336	0.180	1.385	0.015	0.289	0.086	0.303	0.142	2810	0.05687	0.037	-0.475	1.492	0.899
4	PTPA	0.0312	30	0.030	33	0.187	0.636	0.424	0.207	1.506	0.015	0.283	0.087	0.388	0.148	2927	0.06066	0.046	-0.453	1.598	0.920
5-1/2	PTPA	0.0312	30	0.030	33	0.234	0.795	0.915	0.327	1.978	0.016	0.261	0.088	0.819	0.213	4200	0.07585	0.095	-0.383	2.032	0.965
6	PTPA	0.0312	30	0.030	33	0.249	0.849	1.135	0.372	2.133	0.016	0.255	0.088	1.004	0.234	4625	0.08091	0.115	-0.364	2.179	0.972

Dietrich ProTRAK™ Pro 30 — 1-1/4" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTPB	0.0312	30	0.030	33	0.128	0.437	0.067	0.078	0.722	0.022	0.409	0.080	0.054	0.048	951	0.04168	0.011	-0.872	1.204	0.475
2-1/2	PTPB	0.0312	30	0.030	33	0.156	0.530	0.169	0.130	1.042	0.025	0.397	0.084	0.140	0.087	1713	0.05054	0.029	-0.763	1.351	0.681
3-1/2	PTPB	0.0312	30	0.030	33	0.187	0.636	0.359	0.199	1.386	0.027	0.380	0.087	0.304	0.141	2789	0.06066	0.062	-0.671	1.586	0.821
3-5/8	PTPB	0.0312	30	0.030	33	0.191	0.649	0.389	0.209	1.428	0.027	0.378	0.087	0.330	0.149	2938	0.06193	0.067	-0.661	1.619	0.833
4	PTPB	0.0312	30	0.030	33	0.203	0.689	0.489	0.238	1.553	0.028	0.371	0.088	0.417	0.172	3407	0.06573	0.084	-0.633	1.718	0.864
5-1/2	PTPB	0.0312	30	0.030	33	0.249	0.849	1.036	0.370	2.038	0.030	0.347	0.089	0.880	0.218	4306	0.08091	0.174	-0.543	2.138	0.935
6	PTPB	0.0312	30	0.030	33	0.265	0.902	1.278	0.419	2.196	0.031	0.340	0.090	1.074	0.240	4737	0.08597	0.212	-0.519	2.282	0.948

Dietrich ProTRAK™ Pro 30 — 1-1/2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTPC	0.0312	30	0.030	33	0.144	0.490	0.078	0.091	0.737	0.035	0.494	0.080	0.059	0.050	983	0.04674	0.018	-1.101	1.414	0.394
2-1/2	PTPC	0.0312	30	0.030	33	0.171	0.583	0.195	0.150	1.066	0.040	0.486	0.085	0.151	0.090	1773	0.05560	0.047	-0.977	1.526	0.590
3-1/2	PTPC	0.0312	30	0.030	33	0.203	0.689	0.409	0.227	1.421	0.045	0.470	0.088	0.326	0.146	2887	0.06573	0.101	-0.869	1.731	0.748
3-5/8	PTPC	0.0312	30	0.030	33	0.206	0.703	0.443	0.237	1.464	0.045	0.468	0.088	0.354	0.154	3042	0.06699	0.109	-0.858	1.760	0.763
4	PTPC	0.0312	30	0.030	33	0.218	0.742	0.553	0.270	1.592	0.046	0.461	0.088	0.446	0.178	3526	0.07079	0.137	-0.825	1.851	0.802
5-1/2	PTPC	0.0312	30	0.030	33	0.265	0.902	1.157	0.413	2.090	0.050	0.435	0.090	0.979	0.241	4766	0.08597	0.284	-0.716	2.251	0.899
6	PTPC	0.0312	30	0.030	33	0.281	0.955	1.422	0.466	2.251	0.051	0.427	0.090	1.136	0.244	4818	0.09104	0.347	-0.686	2.392	0.918

Dietrich ProTRAK™ Pro 30 — 2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTPD	0.0312	30	0.030	33	0.175	0.596	0.101	0.117	0.758	0.076	0.660	0.081	0.067	0.052	1028	0.05687	0.040	-1.570	1.864	0.291
2-1/2	PTPD	0.0312	30	0.030	33	0.203	0.689	0.246	0.189	1.103	0.088	0.659	0.086	0.170	0.094	1862	0.06573	0.103	-1.423	1.917	0.449
3-1/2	PTPD	0.0312	30	0.030	33	0.234	0.795	0.509	0.282	1.475	0.098	0.647	0.088	0.365	0.154	3039	0.07585	0.219	-1.289	2.063	0.610
3-5/8	PTPD	0.0312	30	0.030	33	0.238	0.809	0.549	0.295	1.520	0.099	0.645	0.089	0.397	0.160	3159	0.07712	0.237	-1.274	2.086	0.627
4	PTPD	0.0312	30	0.030	33	0.249	0.849	0.682	0.333	1.654	0.102	0.639	0.089	0.502	0.176	3480	0.08091	0.297	-1.232	2.160	0.674
5-1/2	PTPD	0.0312	30	0.030	33	0.296	1.008	1.399	0.499	2.174	0.112	0.614	0.091	1.091	0.240	4747	0.09610	0.617	-1.091	2.508	0.811
6	PTPD	0.0312	30	0.030	33	0.312	1.061	1.710	0.560	2.342	0.114	0.605	0.091	1.353	0.262	5170	0.10116	0.754	-1.051	2.637	0.841

Dietrich ProTRAK™ Pro 30 — 2-1/2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTPE	0.0312	30	0.030	33	0.206	0.703	0.123	0.143	0.772	0.139	0.821	0.082	0.073	0.054	1059	0.06699	0.075	-2.048	2.338	0.233
2-1/2	PTPE	0.0312	30	0.030	33	0.234	0.795	0.298	0.229	1.129	0.160	0.828	0.086	0.186	0.097	1926	0.07585	0.190	-1.883	2.347	0.356
3-1/2	PTPE	0.0312	30	0.030	33	0.265	0.902	0.608	0.338	1.515	0.179	0.822	0.089	0.401	0.151	2987	0.08597	0.402	-1.729	2.441	0.498
3-5/8	PTPE	0.0312	30	0.030	33	0.269	0.915	0.656	0.352	1.562	0.181	0.820	0.089	0.436	0.157	3097	0.08724	0.435	-1.712	2.458	0.515
4	PTPE	0.0312	30	0.030	33	0.281	0.955	0.812	0.396	1.701	0.187	0.816	0.090	0.551	0.173	3425	0.09104	0.543	-1.662	2.514	0.563
5-1/2	PTPE	0.0312	30	0.030	33	0.327	1.114	1.641	0.586	2.239	0.206	0.793	0.091	1.190	0.239	4727	0.10622	1.124	-1.493	2.805	0.717
6	PTPE	0.0312	30	0.030	33	0.343	1.167	1.997	0.655	2.413	0.211	0.784	0.092	1.473	0.261	5162	0.11128	1.373	-1.444	2.919	0.755

Dietrich ProTRAK™ Pro 30 — 3" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁶)	Xo (in)	Ro (in)	Beta
1-5/8	PTPF	0.0312	30	0.030	33	0.238	0.809	0.146	0.169	0.783	0.228	0.979	0.082	0.078	0.055	1081	0.07712	0.125	-2.532	2.826	0.197
2-1/2	PTPF	0.0312	30	0.030	33	0.265	0.902	0													

Dietrich ProSTUD™ Pro 33 — Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PSTS	0.0346	33	0.033	33	0.152	0.517	0.070	0.086	0.679	0.032	0.456	0.114	0.069	0.078	1541	0.06059	0.019	-1.065	1.344	0.371
2-1/2	PSTS	0.0346	33	0.033	33	0.182	0.620	0.186	0.149	1.010	0.037	0.449	0.125	0.186	0.138	2735	0.07267	0.046	-0.937	1.449	0.582
3-1/2	PSTS	0.0346	33	0.033	33	0.217	0.737	0.404	0.231	1.366	0.041	0.435	0.126	0.393	0.198	3921	0.08648	0.098	-0.828	1.655	0.750
3-5/8	PSTS	0.0346	33	0.033	33	0.221	0.752	0.439	0.242	1.409	0.041	0.433	0.127	0.426	0.207	4088	0.08820	0.106	-0.816	1.685	0.766
4	PSTS	0.0346	33	0.033	33	0.234	0.796	0.553	0.277	1.538	0.043	0.426	0.128	0.537	0.232	4590	0.09338	0.132	-0.783	1.777	0.806
5-1/2	PSTS	0.0346	33	0.033	33	0.286	0.973	1.184	0.430	2.035	0.046	0.402	0.130	1.167	0.362	7149	0.11409	0.272	-0.676	2.182	0.904
6	PSTS	0.0346	33	0.033	33	0.303	1.032	1.463	0.488	2.196	0.047	0.394	0.130	1.428	0.399	7875	0.12100	0.332	-0.647	2.323	0.922

Dietrich ProTRAK™ Pro 33 — 1" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTSA	0.0346	33	0.033	33	0.125	0.426	0.062	0.072	0.704	0.013	0.322	0.093	0.056	0.053	1051	0.04992	0.007	-0.649	1.010	0.588
2-1/2	PTSA	0.0346	33	0.033	33	0.155	0.529	0.159	0.122	1.012	0.015	0.308	0.100	0.145	0.095	1878	0.06201	0.017	-0.557	1.195	0.783
3-1/2	PTSA	0.0346	33	0.033	33	0.190	0.646	0.344	0.190	1.345	0.016	0.290	0.104	0.316	0.154	3044	0.07581	0.037	-0.482	1.458	0.891
3-5/8	PTSA	0.0346	33	0.033	33	0.194	0.661	0.373	0.200	1.385	0.016	0.288	0.104	0.344	0.162	3206	0.07754	0.040	-0.474	1.492	0.899
4	PTSA	0.0346	33	0.033	33	0.207	0.705	0.470	0.229	1.506	0.016	0.282	0.105	0.438	0.176	3469	0.08272	0.051	-0.452	1.598	0.920
5-1/2	PTSA	0.0346	33	0.033	33	0.259	0.882	1.015	0.362	1.979	0.018	0.260	0.107	0.939	0.254	5015	0.10343	0.105	-0.382	2.032	0.965
6	PTSA	0.0346	33	0.033	33	0.276	0.941	1.258	0.412	2.133	0.018	0.254	0.107	1.152	0.280	5531	0.11033	0.127	-0.363	2.179	0.972

Dietrich ProTRAK™ Pro 33 — 1-1/4" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTSB	0.0346	33	0.033	33	0.142	0.485	0.075	0.086	0.723	0.024	0.409	0.095	0.063	0.056	1104	0.05683	0.012	-0.870	1.203	0.477
2-1/2	PTSB	0.0346	33	0.033	33	0.173	0.588	0.188	0.144	1.043	0.027	0.397	0.102	0.160	0.100	1972	0.06891	0.032	-0.762	1.351	0.682
3-1/2	PTSB	0.0346	33	0.033	33	0.207	0.705	0.399	0.221	1.387	0.030	0.380	0.105	0.346	0.161	3189	0.08272	0.068	-0.669	1.586	0.822
3-5/8	PTSB	0.0346	33	0.033	33	0.212	0.720	0.432	0.231	1.429	0.030	0.377	0.105	0.375	0.170	3358	0.08444	0.074	-0.659	1.618	0.834
4	PTSB	0.0346	33	0.033	33	0.225	0.764	0.542	0.264	1.554	0.031	0.371	0.106	0.473	0.197	3587	0.08962	0.093	-0.632	1.718	0.865
5-1/2	PTSB	0.0346	33	0.033	33	0.276	0.941	1.149	0.410	2.039	0.033	0.347	0.108	1.011	0.261	5157	0.11033	0.192	-0.542	2.138	0.936
6	PTSB	0.0346	33	0.033	33	0.294	1.000	1.418	0.464	2.197	0.034	0.339	0.109	1.237	0.287	5681	0.11723	0.234	-0.517	2.282	0.949

Dietrich ProTRAK™ Pro 33 — 1-1/2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTSC	0.0346	33	0.033	33	0.160	0.543	0.087	0.100	0.738	0.039	0.494	0.096	0.068	0.058	1143	0.06373	0.020	-1.099	1.413	0.395
2-1/2	PTSC	0.0346	33	0.033	33	0.190	0.646	0.216	0.166	1.067	0.045	0.485	0.102	0.173	0.103	2044	0.07581	0.052	-0.975	1.525	0.591
3-1/2	PTSC	0.0346	33	0.033	33	0.225	0.764	0.454	0.252	1.422	0.049	0.469	0.106	0.372	0.167	3306	0.08962	0.112	-0.868	1.730	0.749
3-5/8	PTSC	0.0346	33	0.033	33	0.229	0.779	0.491	0.263	1.465	0.050	0.467	0.106	0.403	0.176	3481	0.09135	0.121	-0.856	1.760	0.763
4	PTSC	0.0346	33	0.033	33	0.242	0.823	0.614	0.299	1.593	0.051	0.460	0.107	0.507	0.204	4027	0.09652	0.152	-0.823	1.851	0.802
5-1/2	PTSC	0.0346	33	0.033	33	0.294	1.000	1.284	0.458	2.090	0.055	0.435	0.109	1.098	0.299	5906	0.11723	0.315	-0.715	2.251	0.899
6	PTSC	0.0346	33	0.033	33	0.311	1.059	1.578	0.516	2.252	0.057	0.426	0.110	1.311	0.293	5790	0.12414	0.384	-0.685	2.392	0.918

Dietrich ProTRAK™ Pro 33 — 2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTSD	0.0346	33	0.033	33	0.194	0.661	0.112	0.129	0.759	0.085	0.660	0.097	0.077	0.061	1198	0.07754	0.045	-1.568	1.862	0.292
2-1/2	PTSD	0.0346	33	0.033	33	0.225	0.764	0.274	0.210	1.104	0.097	0.658	0.104	0.196	0.109	2150	0.08962	0.114	-1.421	1.916	0.450
3-1/2	PTSD	0.0346	33	0.033	33	0.259	0.882	0.565	0.313	1.476	0.108	0.647	0.107	0.417	0.176	3484	0.10343	0.243	-1.287	2.062	0.610
3-5/8	PTSD	0.0346	33	0.033	33	0.264	0.897	0.610	0.327	1.521	0.110	0.645	0.107	0.452	0.186	3669	0.10515	0.263	-1.272	2.085	0.628
4	PTSD	0.0346	33	0.033	33	0.276	0.941	0.758	0.369	1.655	0.113	0.639	0.108	0.567	0.215	4246	0.11033	0.329	-1.230	2.159	0.675
5-1/2	PTSD	0.0346	33	0.033	33	0.328	1.117	1.553	0.554	2.174	0.123	0.613	0.110	1.226	0.296	5847	0.13104	0.683	-1.089	2.508	0.811
6	PTSD	0.0346	33	0.033	33	0.346	1.176	1.897	0.621	2.342	0.126	0.604	0.111	1.520	0.322	6355	0.13795	0.835	-1.050	2.637	0.842

Dietrich ProTRAK™ Pro 33 — 2-1/2" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTSE	0.0346	33	0.033	33	0.229	0.779	0.137	0.158	0.774	0.154	0.821	0.098	0.085	0.063	1235	0.09135	0.083	-2.046	2.336	0.233
2-1/2	PTSE	0.0346	33	0.033	33	0.259	0.882	0.331	0.254	1.130	0.177	0.827	0.104	0.214	0.113	2225	0.10343	0.211	-1.881	2.346	0.357
3-1/2	PTSE	0.0346	33	0.033	33	0.294	1.000	0.675	0.374	1.516	0.198	0.821	0.108	0.455	0.183	3616	0.11723	0.446	-1.727	2.440	0.499
3-5/8	PTSE	0.0346	33	0.033	33	0.298	1.014	0.728	0.390	1.563	0.200	0.820	0.108	0.493	0.193	3808	0.11896	0.482	-1.710	2.457	0.516
4	PTSE	0.0346	33	0.033	33	0.311	1.059	0.901	0.439	1.702	0.207	0.815	0.109	0.622	0.214	4221	0.12414	0.602	-1.660	2.514	0.564
5-1/2	PTSE	0.0346	33	0.033	33	0.363	1.235	1.821	0.649	2.240	0.228	0.792	0.111	1.339	0.294	5802	0.14485	1.246	-1.491	2.805	0.717
6	PTSE	0.0346	33	0.033	33	0.380	1.294	2.216	0.725	2.414	0.233	0.783	0.111	1.657	0.320	6327	0.15175	1.522	-1.443	2.919	0.756

Dietrich ProTRAK™ Pro 33 — 3" Leg Track Section Properties

Web	Product Code	Design Thickness (in)	Mils	Min Delivered Thickness	Yield Strength (ksi)	Gross						Effective Properties at Fy				Torsional Properties					
						Area (in²)	Weight (lb/ft)	Ixx (in⁴)	Sxx (in⁴)	Rx (in)	Iyy (in⁴)	Ry (in)	A (in²)	Ixe ^A (in⁴)	Sxe (in³)	Allowable Moment ^B (in-lbs)	Jx1000 (in⁴)	Cw (in⁵)	Xo (in)	Ro (in)	Beta
1-5/8	PTSF	0.0346	33	0.033	33	0.264	0.897	0.162	0.187	0.784	0.252	0.979	0.098	0.091	0.064	1262	0.10515	0.139	-2.530	2.824	0.197
2-1/2	PTSF	0.0346	33	0.033	33	0.294	1.000	0.388													