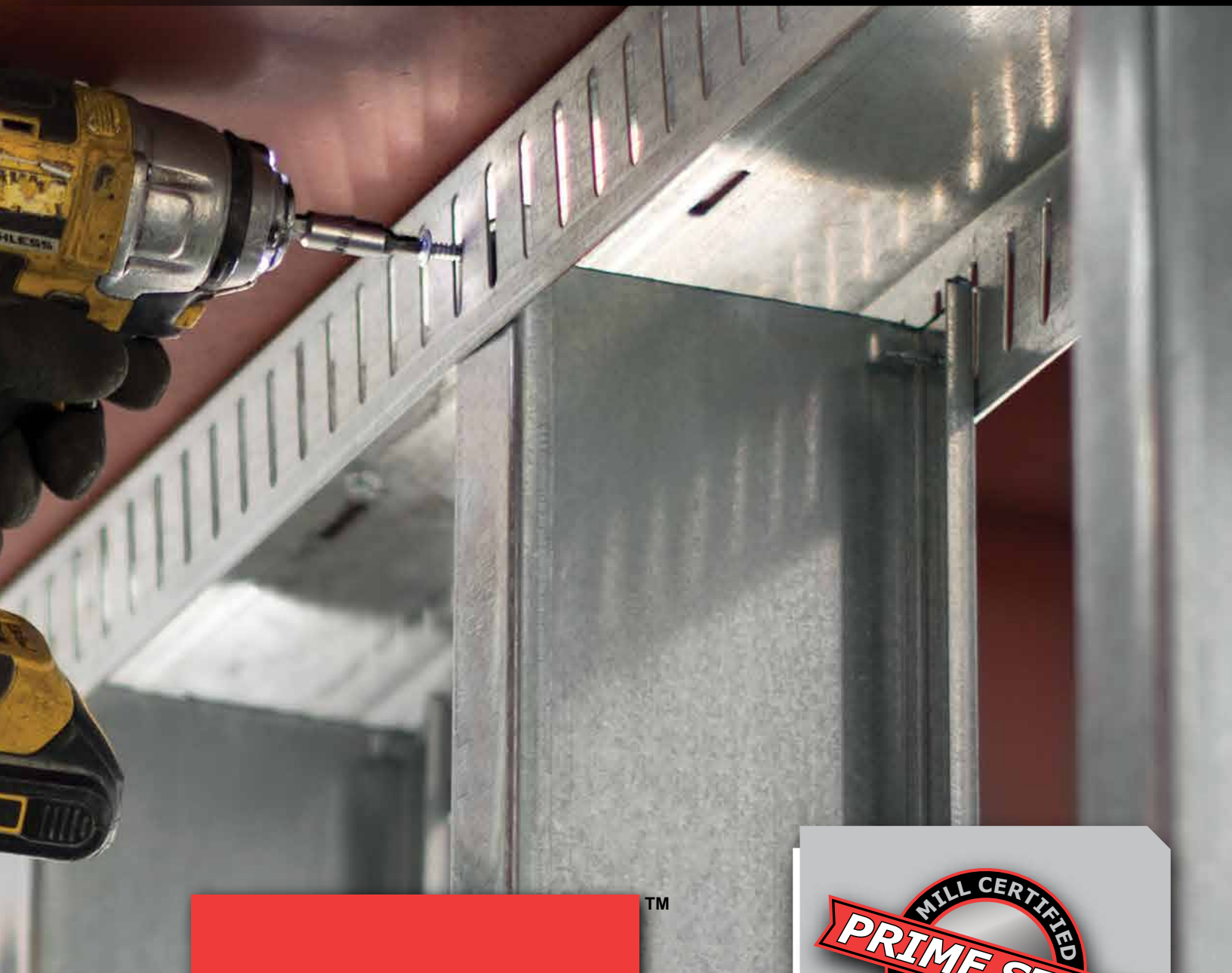


SLOTTED LEG TRACK SYSTEM



Steel-ConTM

**Steel Construction
Systems**



2015 INTERNATIONAL
BUILDING
CODE
IBC

www.SteelConSystems.com

Slotted Track Specifications

Product Application and Benefits

Slotted Track is the industry preferred system for achieving head of wall deflection and fire rating for interior and exterior walls. Slotted Track has met the movement and cycling requirements of ANSI/UL 2079, and is UL classified for 1, 2, 3 & 4 hour fire ratings in head of wall fire-rated joint systems.

Details & information of each individual system can be found in the XHBN section of Volume 2 of the UL Fire Resistance Directory.

- Allowable loads for wall heights
- Fire-rated deflection system
- Easy installation reducing labor costs
- Integrated with traditional wall systems
- Provides positive attachment for wall strength
- UL Classified in over 120 approved fire rated systems
- Absorbs head-of-wall and floor extension or compression movement

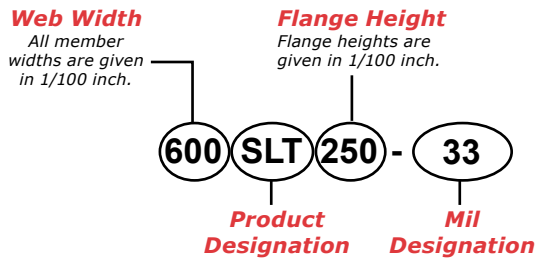
Material Composition

- ASTM: A653 / A653 M
- 33, 43 mil: 33 ksi Yield Strength
- 54, 68, 97 mil: 50 ksi Yield Strength
- D20, D24, 33EQS, 43EQS: 57 ksi Yield Strength
- D20: G-40 Galvanized Coating
- D24, 33EQS, 43EQS: G-60 Galvanized Coating
- 33, 43, 54: G-60 Galvanized Coating
- 68, 97 mil: G-90 Galvanized Coating
- 33 EQS minimum thickness for SDLT Track

NOTE: All Slotted Track Products and Data are provided by SCAFCO Steel Stud Company. Certified section properties and allowable loads can be found in IAPMO report ER0283. Steel Con is a certified distributor of these fine products.

Nomenclature Example

6" Standard Slotted Leg Track, 2 1/2" Leg, 33 Material



Contact Steel-Con Engineering Services

For assistance with ordering or questions on your project, utilize Steel-Con Engineering Services:

Call: 1-407-438-1664

Email: Technical@SteelConSys.com

UL Head of Wall Joint Systems Numbers

3M COMPANY

HW-D-0020	HW-D-0021	HW-D-0029	HW-D-0031	HW-D-0101	HW-D-0111
HW-D-0134	HW-D-0170	HW-D-0173	HW-D-0205	HW-D-0265	HW-D-0517

A/D FIRE PROTECTION SYSTEMS INC.

HW-D-0467	HW-D-0468
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FIRESTIK

HW-D-0420	HW-D-0421	HW-D-0453	HW-D-0455	HW-D-0461	HW-D-0462
HW-D-0463	HW-D-0475	HW-D-0476	HW-D-0477	HW-D-0480	

GRABBER CONSTRUCTION PRODUCTS INC.

HW-D-0532

HENKEL CORPORATION

HW-D-0183	HW-D-0341
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HILTI INC.

HW-D-0042	HW-D-0045	HW-D-0046	HW-D-0049	HW-D-0076	HW-D-0077
HW-D-0082	HW-D-0083	HW-D-0084	HW-D-0085	HW-D-0087	HW-D-0089
HW-D-0106	HW-D-0154	HW-D-0184	HW-D-0190	HW-D-0218 ²	HW-D-0259 ²
HW-D-0264 ¹	HW-D-0313	HW-D-0322	HW-D-0388 ¹	HW-D-0538 ¹	HW-D-0539 ¹
HW-D-0541	HW-D-0542	HW-D-0564	HW-D-0569 ²	HW-D-0570 ²	HW-D-0571 ²
HW-D-0572	HW-D-0634 ¹	HW-D-0636 ¹	HW-D-0639 ¹	HW-D-0640 ²	

JOHNS MANVILLE INTERNATIONAL INC.

HW-D-0047	HW-D-0048	HW-D-0067	HW-D-0068	HW-D-0069	HW-D-0167
HW-D-0186	HW-D-0193	HW-D-0195	HW-D-0246	HW-D-0275	HW-D-0277
HW-D-0293					

3M

A/D

FireStik

GRABBER
CONSTRUCTION PRODUCTS

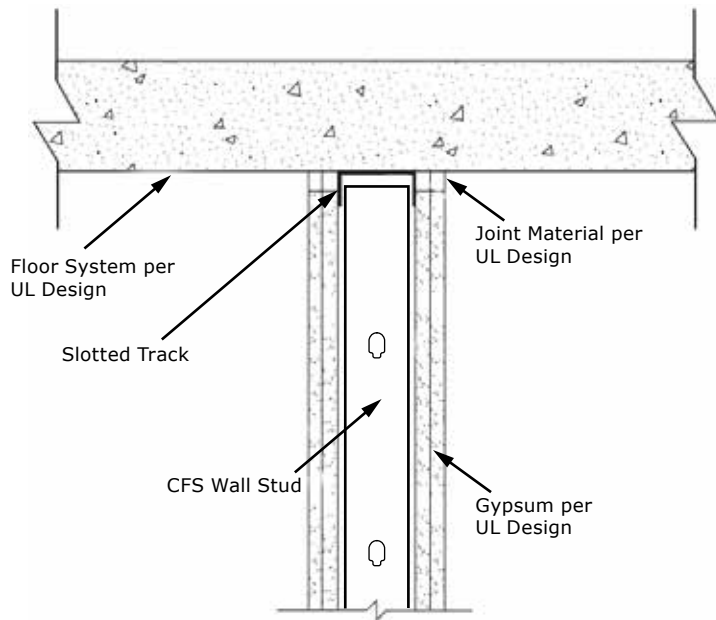
Henkel

HILTI

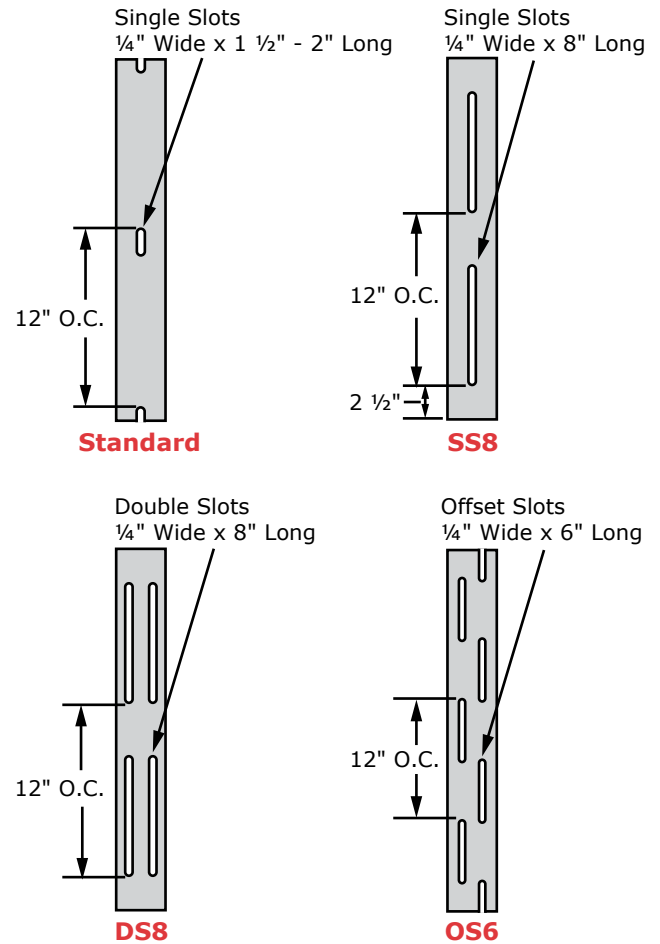
JM
Johns Manville

Track to Structure Connection

The web of the Slotted Deflection Track is to be attached to the above structure using approved fasteners. The attachment of the track to the structure must be able to withstand the allowable lateral loads applied to the connection (Refer to the allowable loads and maximum wall height tables on pages 5 and 7). Fasteners are to be spaced as required by design, but not more than 24" oc.



Web Slot Configurations*



*Insert available for web slot to accommodate drift. Custom slot sizes are available upon request.

PASSIVE FIRE PROTECTION PARTNERS (PFPP)

HW-D-0024	HW-D-0025	HW-D-0036	HW-D-0062	HW-D-0063	HW-D-0071
HW-D-0072	HW-D-0073	HW-D-0162	HW-D-0185	HW-D-0263	HW-D-0271
HW-D-0272	HW-D-0278				

RECTORSEAL

HW-D-0107	HW-D-0108	HW-D-0144	HW-D-0146	HW-D-0217
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Specified Technologies Inc. (STI)

HW-D-0548	BW-S-0028 ³	BW-S-0029 ³	HW-D-0003	HW-D-0034	HW-D-0043
HW-D-0044	HW-D-0054	HW-D-0088	HW-D-0099	HW-D-0102	HW-D-0136
HW-D-0137	HW-D-0152	HW-D-0194	HW-D-0210	HW-D-0241	HW-D-0242
HW-D-0243	HW-D-0260	HW-D-0485	HW-D-0486	HW-D-0549	HW-D-0642
HW-D-0644	HW-D-0645	HW-D-0646	HW-D-0689 ³	HW-D-0695 ³	HW-D-0696 ³
HW-D-0697 ³	HW-D-0698 ³	HW-D-0699 ³	WW-S-0063 ³	ww-S-0064 ³	

TREMCO INC.

HW-D-0016	HW-D-0091
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UNITED STATES GYPSUM (USG)

HW-D-0160



UL designs only apply to SCAFCO SLT products unless otherwise noted

¹ *UL design only applies to SCAFCO SDLT products*

² *UL design applies to SCAFCO SLT and SDLT products*

³ *UL Design applies to TTG gasket*

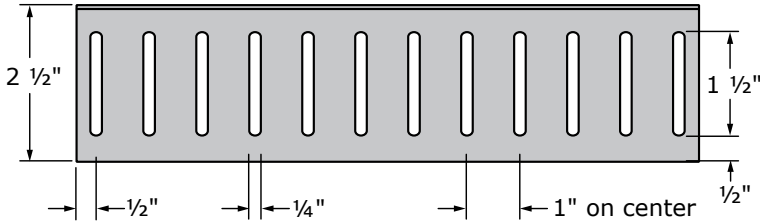
SLT - Standard Slotted Leg Track

The SLT Slotted Deflection Track allows for a positive attachment of the stud to the top track through the slots designed to accommodate the vertical movement of the primary structure, in compliance with Section 713.2 of the IBC.

The SLT is designed to allow a total vertical movement of 1 1/2" (+/- 3/4").

Dimension

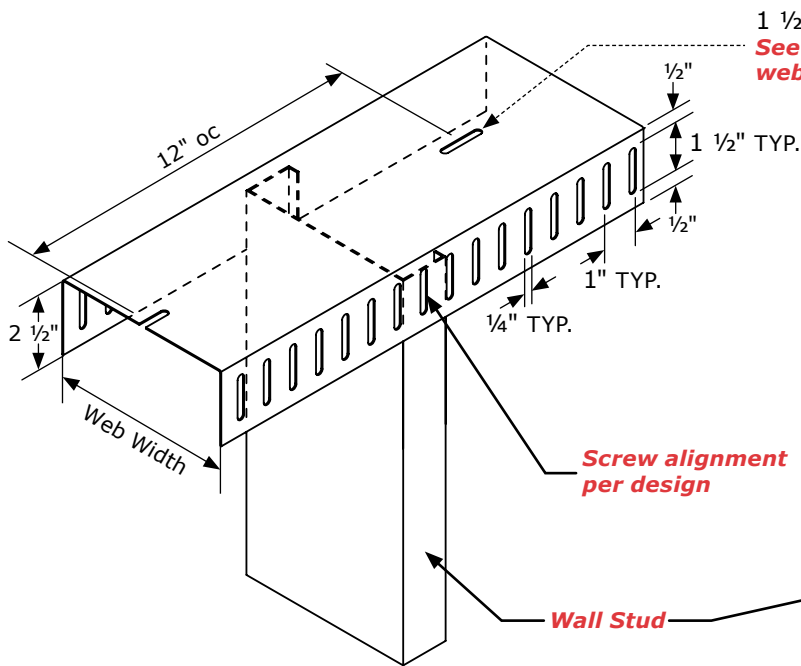
The section legs (flanges) are 2 1/2" in length and have 1 1/2" long by 1/4" wide vertical slots spaced every 1" along the length of the member.



UL Classified for US and Canada
UL File No. R25017



Standard Slotted Leg Track Detail (SLT)

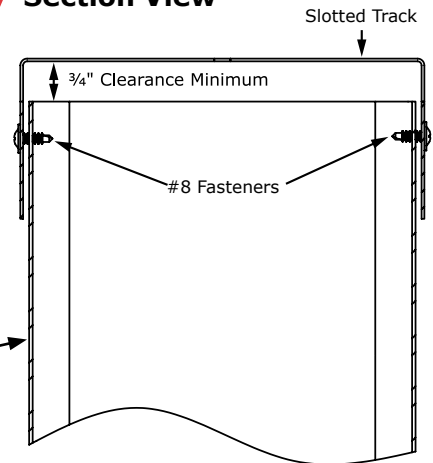


1 1/2" x 1/4"
See page 3 for additional web slot configurations

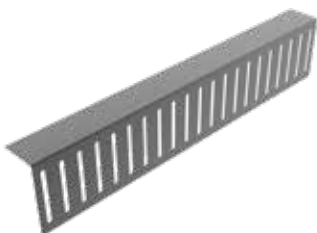
Screw alignment per design

Wall Stud

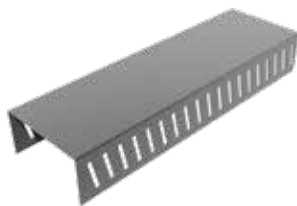
Section View



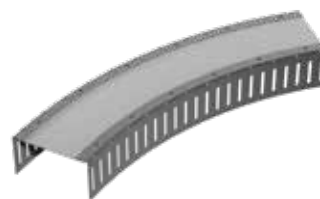
Additional Slotted Track Styles



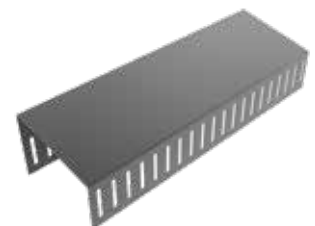
Slotted Angle



Slotted Rake Track



Slotted Curved Track



Slotted Pitched Track

Note: Additional styles available in both SLT and SDLT. UL Numbers do not apply to the non-standard shapes.

Standard Slotted Leg Track Section Properties

Part No.	Fy (ksi)	Design Thickness (in)	Gross Properties						Effective Properties		Allowable Lateral Load (lbs)
			Area (in ²)	Weight (lb/ft)	Ix (in ⁴)	Rx (in)	Iy (in ⁴)	Ry (in)	Sxx (in ²)	Ixx (in ⁴)	
250SLT250-D20	57	0.0188	0.141	0.48	0.184	1.141	0.097	0.830	0.032	0.062	37
250SLT250-D24	57	0.0235	0.176	0.60	0.230	1.142	0.121	0.829	0.046	0.083	55
250SLT250-33EQS	57	0.0295	0.221	0.75	0.289	1.143	0.152	0.828	0.065	0.110	90
250SLT250-33	33	0.0346	0.259	0.88	0.339	1.144	0.178	0.827	0.087	0.129	106
250SLT250-43EQS	57	0.0400	0.300	1.02	0.393	1.145	0.205	0.826	0.100	0.149	173
250SLT250-43	33	0.0451	0.338	1.150	0.443	1.456	0.230	0.826	0.108	0.163	191
250SLT250-54	50	0.0566	0.424	1.44	0.565	1.155	0.287	0.824	0.141	0.213	379
250SLT250-68	50	0.0713	0.534	1.82	0.728	1.168	0.360	0.821	0.177	0.273	568
250SLT250-97	50	0.1017	0.761	2.59	1.086	1.195	0.506	0.815	0.249	0.399	1257
350SLT250-D20	57	0.0188	0.160	0.54	0.372	1.526	0.109	0.824	0.046	0.129	37
350SLT250-D24	57	0.0235	0.200	0.68	0.466	1.527	0.135	0.823	0.067	0.175	55
350SLT250-33EQS	57	0.0295	0.251	0.85	0.585	1.528	0.169	0.822	0.096	0.235	90
350SLT250-33	33	0.0346	0.294	1.00	0.687	1.528	0.198	0.821	0.138	0.286	106
350SLT250-43EQS	57	0.0400	0.340	1.16	0.794	1.529	0.229	0.820	0.153	0.331	173
350SLT250-43	33	0.0451	0.383	1.303	0.896	1.530	0.257	0.819	0.178	0.362	191
350SLT250-54	50	0.0566	0.480	1.63	1.137	1.538	0.321	0.817	0.232	0.471	379
350SLT250-68	50	0.0713	0.605	2.06	1.454	1.550	0.401	0.814	0.290	0.598	568
350SLT250-97	50	0.1017	0.862	2.93	2.139	1.575	0.563	0.808	0.409	0.867	1257
362SLT250-D20	57	0.0188	0.162	0.55	0.401	1.573	0.110	0.823	0.048	0.140	37
362SLT250-D24	57	0.0235	0.203	0.69	0.502	1.573	0.137	0.822	0.069	0.190	55
362SLT250-33EQS	57	0.0295	0.254	0.87	0.630	1.574	0.171	0.821	0.100	0.254	90
362SLT250-33	33	0.0346	0.298	1.01	0.740	1.575	0.200	0.820	0.144	0.312	106
362SLT250-43EQS	57	0.0400	0.345	1.17	0.856	1.576	0.231	0.819	0.159	0.359	173
362SLT250-43	33	0.0451	0.389	1.322	0.966	1.577	0.260	0.818	0.188	0.395	191
362SLT250-54	50	0.0566	0.487	1.66	1.224	1.585	0.324	0.816	0.244	0.512	379
362SLT250-68	50	0.0713	0.614	2.09	1.565	1.597	0.406	0.813	0.306	0.650	568
362SLT250-97	50	0.1017	0.875	2.98	2.300	1.621	0.570	0.807	0.432	0.942	1257
400SLT250-D20	57	0.0188	0.169	0.58	0.496	1.712	0.113	0.818	0.053	0.173	37
400SLT250-D24	57	0.0235	0.212	0.72	0.620	1.712	0.141	0.817	0.077	0.236	55
400SLT250-33EQS	57	0.0295	0.265	0.90	0.779	1.713	0.177	0.816	0.111	0.317	90
400SLT250-33	33	0.0346	0.311	1.06	0.914	1.714	0.207	0.815	0.162	0.396	106
400SLT250-43EQS	57	0.0400	0.360	1.22	1.058	1.715	0.238	0.814	0.179	0.450	173
400SLT250-43	33	0.0451	0.406	1.380	1.193	1.715	0.268	0.813	0.219	0.502	191
400SLT250-54	50	0.0566	0.509	1.73	1.511	1.723	0.335	0.811	0.284	0.650	379
400SLT250-68	50	0.0713	0.641	2.18	1.928	1.735	0.418	0.808	0.356	0.825	568
400SLT250-97	50	0.1017	0.913	3.11	2.823	1.758	0.587	0.802	0.502	1.192	1257
600SLT250-D20	57	0.0188	0.207	0.70	1.214	2.422	0.128	0.786	0.081	0.420	37
600SLT250-D24	57	0.0235	0.259	0.88	1.518	2.423	0.159	0.785	0.118	0.579	55
600SLT250-33EQS	57	0.0295	0.324	1.10	1.906	2.424	0.200	0.784	0.172	0.789	90
600SLT250-33	33	0.0346	0.380	1.29	2.236	2.424	0.233	0.783	0.260	1.021	106
600SLT250-43EQS	57	0.0400	0.440	1.50	2.585	2.425	0.269	0.782	0.283	1.145	173
600SLT250-43	33	0.0451	0.496	1.687	2.916	2.425	0.303	0.781	0.378	1.402	191
600SLT250-54	50	0.0566	0.622	2.12	3.678	2.432	0.377	0.779	0.478	1.769	379
600SLT250-68	50	0.0713	0.783	2.67	4.670	2.442	0.472	0.776	0.655	2.266	568
600SLT250-97	50	0.1017	1.116	3.80	6.767	2.462	0.662	0.770	0.960	3.253	1257
800SLT250-33EQS	57	0.0295	0.383	1.30	3.681	3.098	0.215	0.749	0.233	1.504	90
800SLT250-33	33	0.0346	0.450	1.53	4.318	3.099	0.252	0.748	0.358	1.994	106
800SLT250-43EQS	57	0.0400	0.520	1.77	4.992	3.099	0.290	0.747	0.387	2.216	173
800SLT250-43	33	0.0451	0.586	1.994	5.629	3.100	0.326	0.746	0.530	2.800	191
800SLT250-54	50	0.0566	0.735	2.50	7.090	3.106	0.407	0.744	0.671	3.522	379
800SLT250-68	50	0.0713	0.926	3.15	8.978	3.114	0.509	0.741	0.943	4.675	568
800SLT250-97	50	0.1017	1.320	4.49	12.944	3.132	0.713	0.735	1.536	6.835	1257

Table Notes

1. Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.
2. Gross properties based on the full section, not reduced for flange slots
3. Effective properties based on a compression flange of 1/2" (before local buckling reductions) and a tension flange of 1"
4. For deflection calculations, use effective Ixx
5. Web depth is equal to the nominal depth plus two times the design thickness, plus the inside bend radius
6. X-X properties are 'strong-axis' properties, Y-Y properties are about the 'weak-axis'
7. Effective properties based on the "North American Specification for the Design of Cold-Formed Steel Structural Members," 2007 edition
8. For SI: 1 inch = 25.4 mm, 1 ksi = 6.8948 kPa, 1 lb/ft = 14.594 N/m.

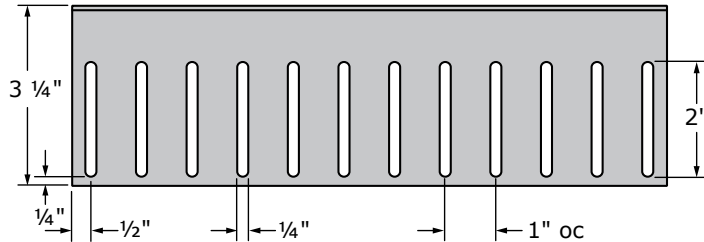
SDLT - Slotted Deep Leg Track

The SDLT Slotted Deep Leg Track allows for a positive attachment of the stud to the top track through the slots designed to accommodate the vertical movement of the primary structure, in compliance with Section 713.2 of the IBC.

The SDLT is designed to allow a total vertical movement of 2 inches (+/- 1 inch).

Dimension

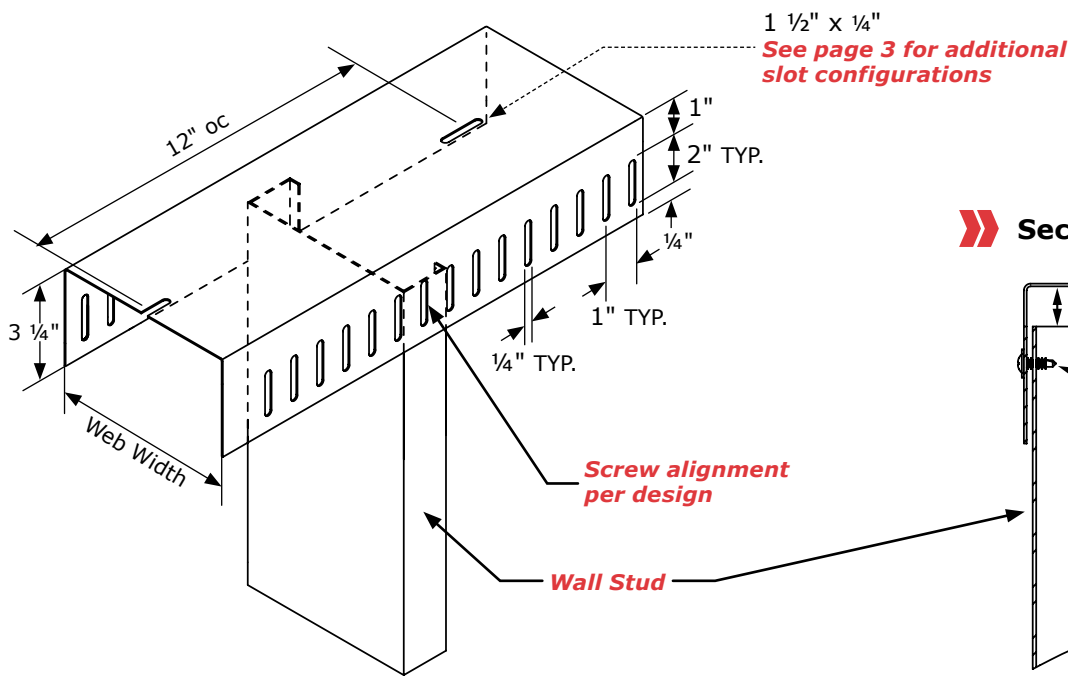
The section legs (flanges) are 3 1/4" in length and have 2" long by 1/4" wide vertical slots spaced every 1" along the length of the member.



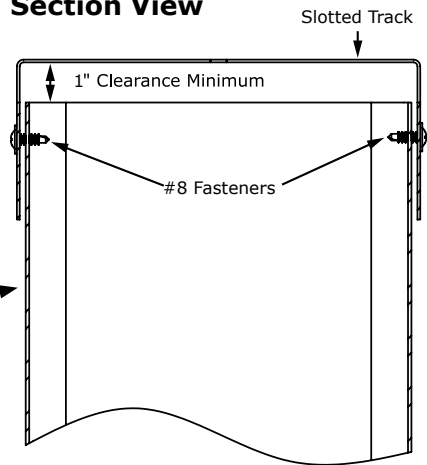
UL Classified for US and Canada
UL File No. R25017



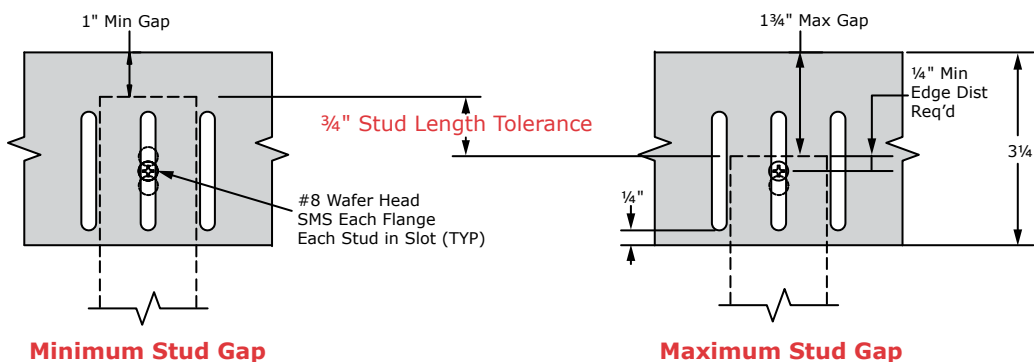
Slotted Deep Leg Track Detail (SDLT)



Section View



Specifications



» Slotted Deep Leg Track Section Properties

Part No.	F _y (ksi)	Design Thickness (in)	Gross Properties						Effective Properties		Allowable Lateral Load (lbs)
			Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	R _x (in)	I _y (in ⁴)	R _y (in)	S _{xx} (in ³)	I _{xx} (in ⁴)	
250SDLT325-33EQS	57	0.0295	0.265	0.90	0.364	1.171	0.307	1.075	0.075	0.123	33
250SDLT325-33	33	0.0346	0.311	1.06	0.428	1.172	0.359	1.074	0.098	0.157	47
250SDLT325-43EQS	57	0.0400	0.360	1.22	0.495	1.173	0.414	1.073	0.110	0.178	71
250SDLT325-43	33	0.0451	0.406	1.380	0.559	1.174	0.466	1.073	0.133	0.193	92
250SDLT325-54	50	0.0566	0.509	1.73	0.713	1.184	0.583	1.071	0.174	0.263	179
250SDLT325-68	50	0.0713	0.641	2.18	0.920	1.198	0.731	1.068	0.221	0.337	299
250SDLT325-97	50	0.1017	0.913	3.11	1.376	1.227	1.032	1.063	0.314	0.497	707
350SDLT325-33EQS	57	0.0295	0.295	1.00	0.729	1.572	0.343	1.078	0.101	0.263	33
350SDLT325-33	33	0.0346	0.346	1.18	0.856	1.573	0.401	1.077	0.153	0.340	47
350SDLT325-43EQS	57	0.0400	0.400	1.36	0.990	1.574	0.463	1.076	0.165	0.387	71
350SDLT325-43	33	0.0451	0.451	1.533	1.117	1.575	0.521	1.075	0.211	0.419	92
350SDLT325-54	50	0.0566	0.565	1.92	1.418	1.584	0.651	1.073	0.278	0.565	179
350SDLT325-68	50	0.0713	0.712	2.42	1.816	1.597	0.816	1.071	0.352	0.720	299
350SDLT325-97	50	0.1017	1.015	3.45	2.676	1.624	1.151	1.065	0.499	1.047	707
362SDLT325-33EQS	57	0.0295	0.299	1.02	0.785	1.621	0.347	1.077	0.105	0.285	33
362SDLT325-33	33	0.0346	0.350	1.19	0.921	1.622	0.406	1.076	0.160	0.369	47
362SDLT325-43EQS	57	0.0400	0.405	1.38	1.066	1.623	0.468	1.076	0.172	0.421	71
362SDLT325-43	33	0.0451	0.456	1.552	1.203	1.624	0.527	1.075	0.222	0.455	92
362SDLT325-54	50	0.0566	0.572	1.95	1.526	1.633	0.659	1.073	0.292	0.613	179
362SDLT325-68	50	0.0713	0.721	2.45	1.952	1.646	0.825	1.070	0.370	0.780	299
362SDLT325-97	50	0.1017	1.027	3.50	2.873	1.672	1.164	1.064	0.524	1.135	707
400SDLT325-33EQS	57	0.0295	0.310	1.05	0.966	1.766	0.358	1.075	0.117	0.354	33
400SDLT325-33	33	0.0346	0.363	1.24	1.134	1.767	0.419	1.074	0.180	0.466	47
400SDLT325-43EQS	57	0.0400	0.420	1.43	1.311	1.768	0.484	1.073	0.193	0.527	71
400SDLT325-43	33	0.0451	0.473	1.610	1.480	1.768	0.544	1.073	0.256	0.575	92
400SDLT325-54	50	0.0566	0.594	2.02	1.875	1.777	0.680	1.070	0.337	0.773	179
400SDLT325-68	50	0.0713	0.748	2.54	2.395	1.790	0.852	1.068	0.427	0.982	299
400SDLT325-97	50	0.1017	1.066	3.63	3.514	1.816	1.202	1.062	0.604	1.424	707
600SDLT325-33EQS	57	0.0295	0.369	1.25	2.319	2.508	0.407	1.051	0.180	0.873	33
600SDLT325-33	33	0.0346	0.432	1.47	2.720	2.508	0.477	1.050	0.285	1.191	47
600SDLT325-43EQS	57	0.0400	0.500	1.70	3.146	2.509	0.550	1.049	0.303	1.325	71
600SDLT325-43	33	0.0451	0.563	1.917	3.548	2.510	0.619	1.048	0.441	1.561	92
600SDLT325-54	50	0.0566	0.707	2.41	4.479	2.517	0.773	1.046	0.557	2.038	179
600SDLT325-68	50	0.0713	0.890	3.03	5.691	2.528	0.969	1.043	0.761	2.608	299
600SDLT325-97	50	0.1017	1.269	4.32	8.259	2.551	1.365	1.037	1.112	3.752	707
800SDLT325-33EQS	57	0.0295	0.428	1.46	4.409	3.211	0.443	1.018	0.244	1.655	33
800SDLT325-33	33	0.0346	0.502	1.71	5.172	3.211	0.519	1.017	0.391	2.308	47
800SDLT325-43EQS	57	0.0400	0.580	1.97	5.980	3.212	0.598	1.016	0.412	2.550	71
800SDLT325-43	33	0.0451	0.654	2.224	6.743	3.212	0.673	1.015	0.612	3.161	92
800SDLT325-54	50	0.0566	0.820	2.79	8.497	3.219	0.841	1.013	0.775	3.996	179
800SDLT325-68	50	0.0713	1.033	3.51	10.767	3.229	1.053	1.010	1.083	5.269	299
800SDLT325-97	50	0.1017	1.472	5.01	15.542	3.249	1.483	1.004	1.739	7.704	707

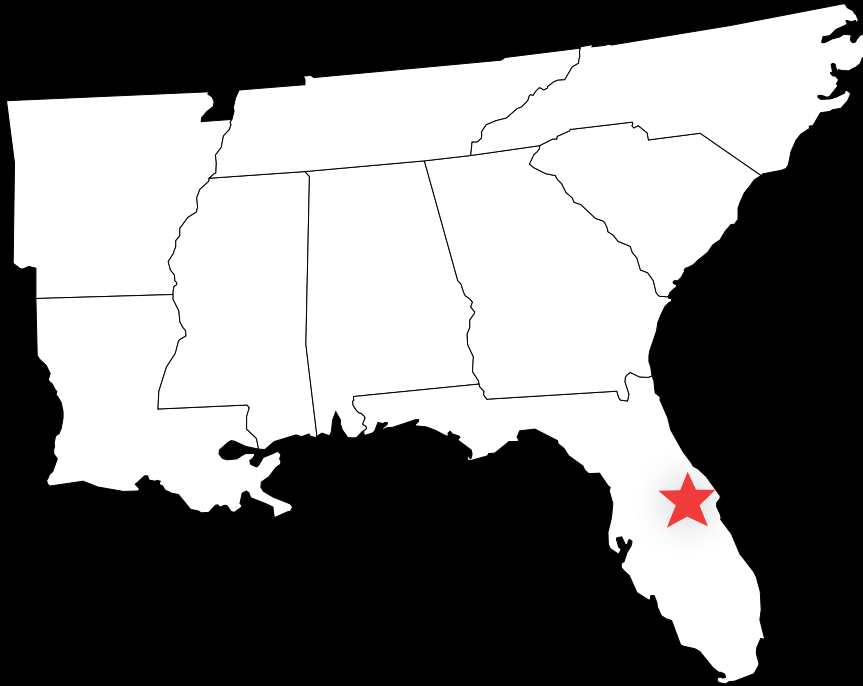
Table Notes

- Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.
- Gross properties based on the full section, not reduced for flange slots
- Effective properties based on a compression flange of 3/4" (before local buckling reductions) and a tension flange of 1-1/2"
- For deflection calculations, use effective I_{xx}
- Web depth is equal to the nominal depth plus two times the design thickness, plus the inside bend radius
- X-X properties are 'strong-axis' properties, Y-Y properties are about the 'weak-axis'
- Effective properties based on the "North American Specification for the Design of Cold-Formed Steel Structural Members," 2001 edition with 2004 Supplement
- For SI: 1 inch = 25.4 mm, 1 ksi = 6.8948 kPa, 1 lb/ft = 14.594 N/m.



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