

# DriftTrak® DT w/DTSLB

Bypass Slab

The Steel Network, Inc.

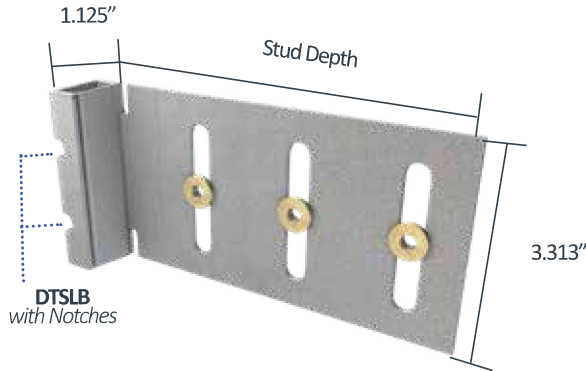
www.steelnetwork.com

1-888-474-4876



## Material Composition

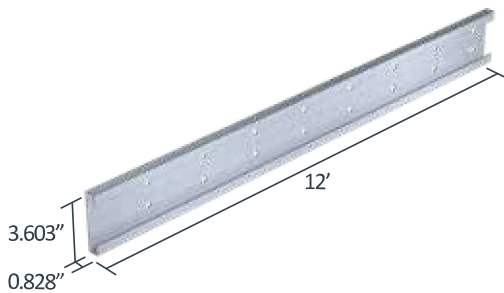
**DTSLB Clip Material:** ASTM A1003/A1003M Structural Grade 50 (340) Type H, ST50H (ST340H): 50ksi (340MPa) minimum yield strength, 65ksi (450MPa) minimum tensile strength, 68mil minimum thickness (14 gauge, 0.0713" design thickness) with ASTM A653/A653M G90 (Z275) hot dipped galvanized coating.



US Patent #7,503,150

## DriftTrak DT w/DTSLB Allowable (Unfactored) Loads<sup>1</sup>

DriftTrak® DT w/ DTSLB, Recommended Allowable Load (lbs): F2					
Stud		DTSLB			
		8" Fastener Spacing in Track to Structure (or welded on each side)		16" Fastener Spacing in Track to Structure (or welded on each side)	
Thickness Mils (ga)	Yield Strength (ksi)	w/2 #12 Screws	w/3 #12 Screws	w/2 #12 Screws	w/3 #12 Screws
33 (20)	33	376	564	376	564
33 (20)	50	544	808	544	753
43 (18)	33	560	808	560	753
43 (18)	50	808	808	753	753
54 (16)	33	788	808	753	753
54 (16)	50	808	808	753	753
68 (14)	50	808	808	753	753
97 (12)	50	808	808	753	753
<b>Maximum Allowable Clip Load</b>		<b>808</b>		<b>753</b>	



## Notes:

- Design loads are for attachment of DriftTrak DT w/ DTSLB to stud only.
- Allowable loads have not been increased for wind, seismic, or other factors.
- Clips are manufactured to fit into DriftTrak DT. DriftTrak DT w/ DTSLB allows up to 2" of vertical deflection (1" up and 1" down), and free lateral movement of the structure.
- #12 screws are provided for each step bushing attachment to studs. Load requirements don't always justify use of a third screw.
- Attachment to structure at 8" or 16" spacing to be engineered by others.
- One row of bridging is recommended at a maximum distance of 18" from DriftTrak DT w/ DTSLB to resist torsional effects.
- Notches are standard in DTSLB clips. For greater F2 load capacities, use DTSLB-HD clips without notches. Refer to allowable load tables.
- Allow a minimum of 7/8" from the structure to the inside flange of the bypassing stud to allow for track attachment.
- Total offset of stud from the edge of slab should not exceed 2" for DriftTrak DT w/ DTSLB362/400 or DTSLB600 clips.
- Total offset of stud from the edge of slab should not exceed 3-1/4" for DriftTrak DT w/ DTSLB800 clips.
- Total offset is measured from the edge of slab to the inside face of the stud.
- For LRFD strengths contact TSN technical services.

## Load Direction



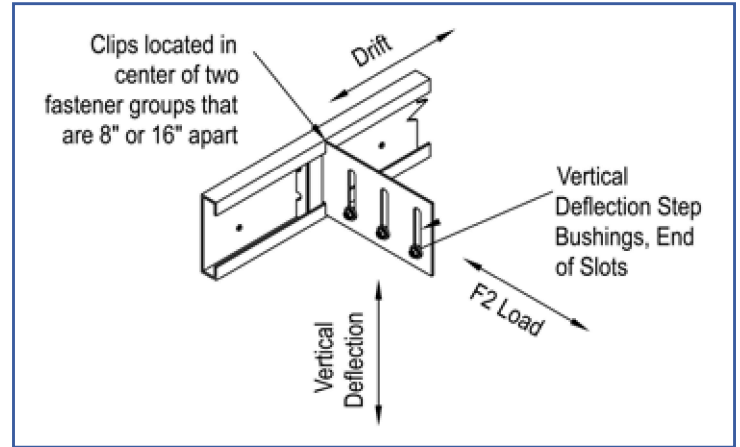
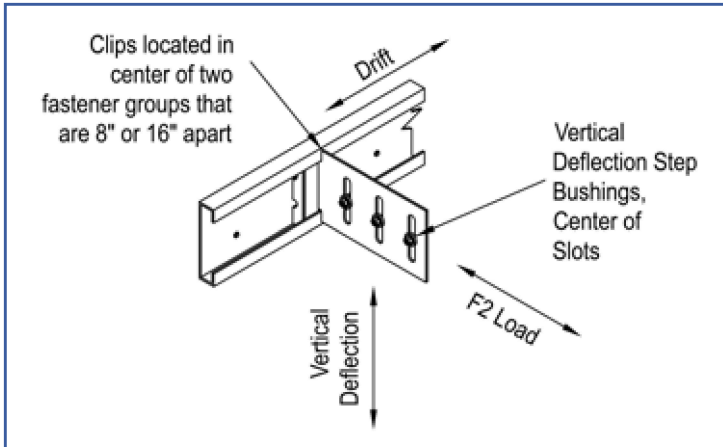
**Nomenclature**

DriftTrak DT w/ DTSLB is specified by designating the track section and the clip size by multiplying the stud depth by 100.

**Example:** Track fastened at 8" or 16", 6" stud depth, with an outward load (F2) of 1,000 lbs

**Designate:** DriftTrak® DT w/ DTSLB600

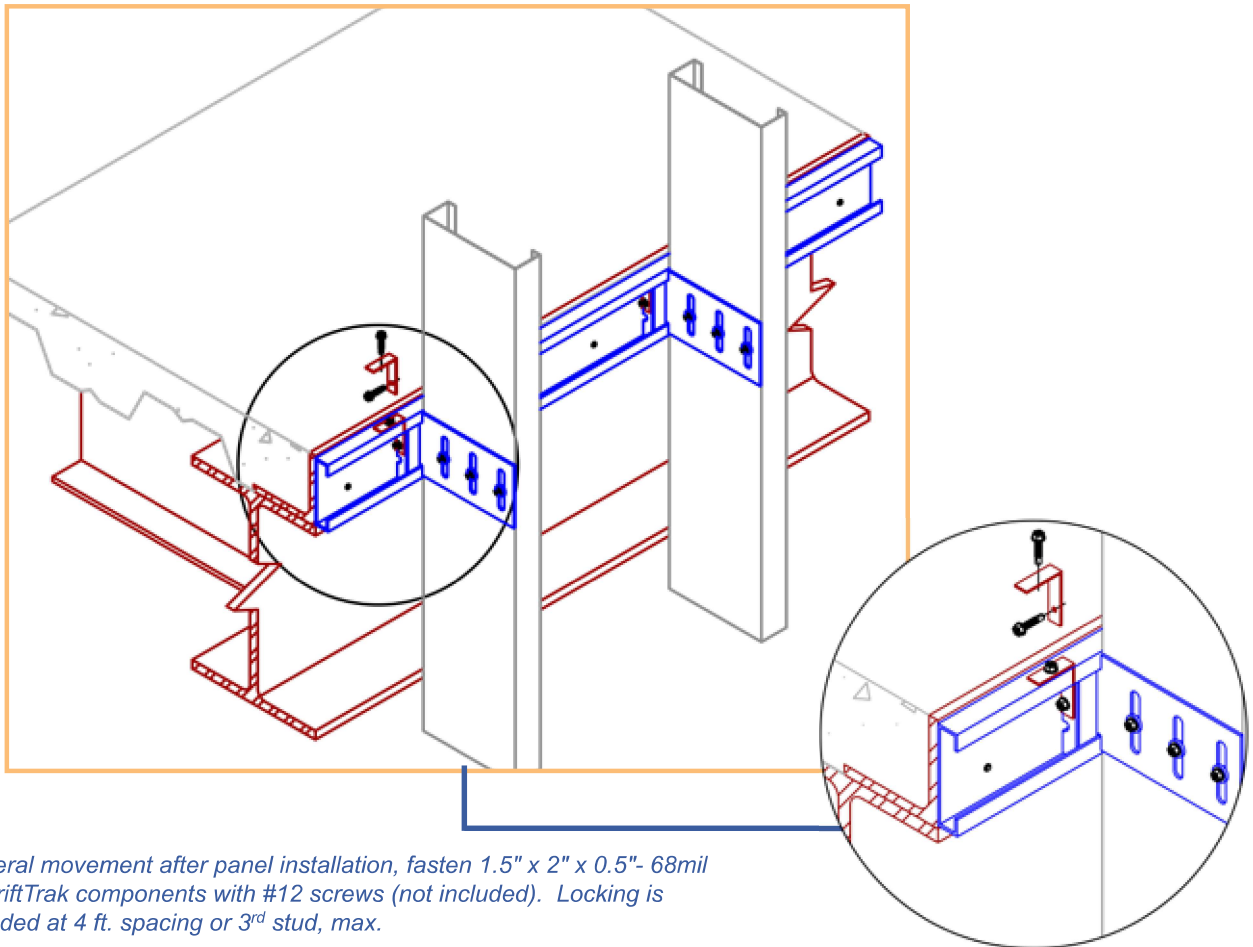
**Fastener Patterns**



**Fastener Pattern 1** replicates a condition of out-of-plane wind or seismic force with no vertical live load deflection and full in-plane drift.

**Fastener Pattern 2** replicates a condition of out-of-plane wind or seismic force with full vertical live load deflection and full in-plane drift.

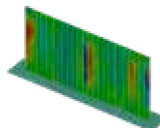
**Locking of Lateral Movement After Panel Installation**



To lock lateral movement after panel installation, fasten 1.5" x 2" x 0.5"- 68mil angle to DriftTrak components with #12 screws (not included). Locking is recommended at 4 ft. spacing or 3<sup>rd</sup> stud, max.



DriftTrak DT w/ DTSLB362/400,  
DTSLB600 & DTSLB800  
ICC-ESR-2049  
www.icc-es.org



DriftTrak DT w/ DTSLB Series  
Blast and Seismic Design Data  
www.steelnetwork.com

\*\* For more information or to review a copy of each of these reports, please visit our website at <http://www.steelnetwork.com/light-steel-framing-design-resources>