

PRODUCT APPLICATION

DriftClip® DSLB is available to accommodate vertical deflection and lateral drift requirements. Step Bushings pre-installed in vertical slots allow up to 2" vertical deflection (1" up and down). Horizontal slots accommodate 2" lateral drift (1" left and right--in-plane), with Step Bushings also pre-installed during the manufacturing process. Load tables are provided for attachment to stud. If more than 2" lateral drift is required, contact TSN engineering for more information.

MATERIAL COMPOSITION

Steel: ASTM A653/A653M, Grade 50 (340), 50ksi (340MPa) minimum yield strength, 65ksi (450MPa) minimum tensile strength, G-90 (Z275) hot-dipped galvanized coating.
Standard DSLB thickness is 97mil (0.1017" design thickness).
The attachment of DriftClip to the primary structure is dependent upon the base material (steel or concrete) and the design configuration, and is the responsibility of the Structural Engineer of Record.

- ◆ As a design reference, follow ICBO-ES Report #4780 for allowable loads for screw fasteners of 1/4" - 20 size with various plate thickness.

DRIFTCLIP DSLB NOMENCLATURE

DriftClip DSLB is classified by multiplying stud depth by 100.

Example: 6" stud
Designate: DriftClip DSLB600.

One row of bridging is recommended at a maximum distance of 12" from DriftClip to resist torsional effects.

DRIFTCLIP DSLB INSTALLATION



Attach DriftClip DSLB to structure with specified fasteners through step bushings.

Attach to stud with #12 provided screws through step bushings.

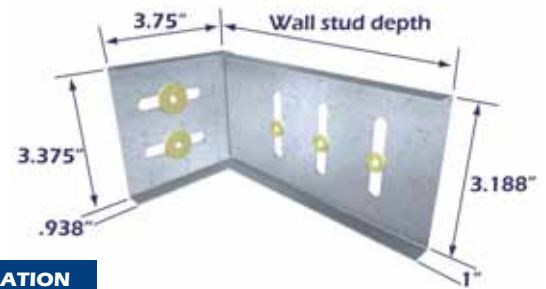
Section Thickness	Pullout 1/4" - 20 Screws* (kips)
0.0566"	0.206
0.0713"	0.260
0.1017"	0.500
1/8"	0.765
3/16"	1.045
1/4"	1.215
5/16"	1.275

* Limited by the pullover strength of DSLB clip around the head of the screw fastener.



DRIFTCLIP DSLB VALUE

- ◆ Positive, load rated mechanical attachments
- ◆ Manufactured from mill-certified, 50ksi steel
- ◆ Step Bushings pre-installed for accurate placement
- ◆ Rated screws provided for attachment to stud web
- ◆ Load transferred from stud web
- ◆ Meets all building code criteria
- ◆ Adaptable for multiple configurations



QUANTITY / ORDER INFORMATION

Designation	Qty/Box	Lbs/Box	Pcs/Skid	Lbs/Skid
DSL362/400	50	36	2250	1620
DSL600	25	35	750	1080
DSL800	25	40	1125	1800

LOAD DIRECTION



ALLOWABLE (UNFACTORED) LOADS¹



An ICC-ES Evaluation Report for DriftClip DSLB is available. Refer to ICC-ESR-2049 at www.icc-es.org or at www.steelnetwork.com.

DriftClip Series	Stud Thickness Mils (ga)	Fy (yield) Stud (ksi)	Allowable (Unfactored ¹) Loads			
			Fastener Pattern 1		Fastener Pattern 2	
			F2 w/ 2 #12 Screws (kips)	F2 w/ 3 #12 Screws* (kips)	F2 w/ 2 #12 Screws (kips)	F2 w/ 3 #12 Screws* (kips)
DSL362 Clip is 12ga (97mils)	33 (20)	33	0.377	0.565	0.377	0.565
	33 (20)	50	0.544	0.817	0.544	0.572
	43 (18)	33	0.561	0.841	0.561	0.572
	43 (18)	50	0.810	0.917	0.572	0.572
	54 (16)	33	0.917	0.917	0.572	0.572
	54 (16)	50	0.917	0.917	0.572	0.572
	68 (14)	50	0.917	0.917	0.572	0.572
	97 (12)	50	0.917	0.917	0.572	0.572

¹ For LRFD Design Strengths refer to ICC-ESR-2049 (p33).

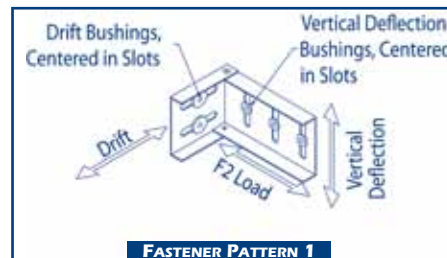
* Three screws are not applicable to DriftClip DSLB362.

◆ Design loads are for attachment of DriftClip DSLB to stud only.

◆ Attachment to structure engineered by others.

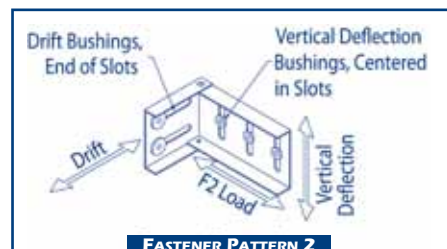
◆ Allowable loads have not been increased for wind, seismic, or other factors.

◆ Two #12 screws are provided with each DriftClip DSLB for attachment to stud. If loads justify use of a third screw, TSN will provide 3 slots and 3 screws with each clip.



FASTENER PATTERN 1

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



FASTENER PATTERN 2

Fastener Pattern 2 replicates a condition of out-of-plane wind or seismic force with no vertical live load deflection and full in-plane drift.