

PRODUCT APPLICATION

DriftClip® DSLS 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 DSLS 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. The Step Bushings used for attachment to structure are designed for use with ¼" - 20 size fasteners. A minimum of two fasteners should be used for attachment to structure.

- ◆ As a design reference, follow ICBO-ES Report #4780 for allowable loads for screw fasteners of ¼" - 20 size with various plate thickness.

DRIFTCLIP DSLS NOMENCLATURE

DriftClip DSLS is available in a variety of lengths (shown in the chart at right), and classified by multiplying stud depth by 100 followed by length.

Example: 6" stud, 15" length
Designate: DriftClip DSLS600-15.

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



DRIFTCLIP DSLS FEATURES

- ◆ 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
DSLS362/400-9	25	49	1125	2205
DSLS362/400-12	25	65	1125	2925
DSLS600-9	25	49	1125	2205
DSLS600-12	25	65	1125	2925
DSLS600-15	25	80	800	2560
DSLS600-20	25	99	1500	5940
DSLS800-12	25	65	1125	2925
DSLS800-15	25	80	800	2560
DSLS800-20	25	99	1500	5940

DRIFTCLIP DSLS INSTALLATION



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



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

LOAD DIRECTION

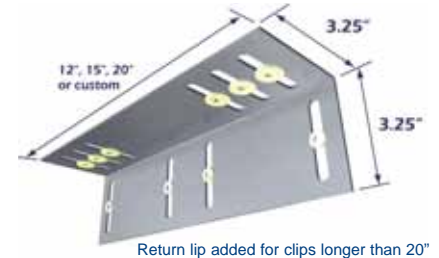


ALLOWABLE (UNFACTORED) LOADS¹



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



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

DriftClip Series	Stud Thickness (ga)	Fy (yield) Stud (ksi)	Allowable (Unfactored) ¹ Loads							
			Fastener Pattern 1				Fastener Pattern 2			
			DSLS600-12" F2 w/2 #12 Screws (kips)	DSLS600-12" F2 w/3 #12 Screws (kips)	DSLS800-15" F2 w/2 #12 Screws (kips)	DSLS800-15" F2 w/3 #12 Screws (kips)	DSLS600-12" F2 w/2 #12 Screws (kips)	DSLS600-12" F2 w/3 #12 Screws (kips)	DSLS800-15" F2 w/2 #12 Screws (kips)	DSLS800-15" F2 w/3 #12 Screws (kips)
DSLS Clip is 12ga (97mils)	33 (20)	33	0.377	0.565	0.377	0.565	0.377	0.565	0.377	0.565
	33 (20)	50	0.544	0.817	0.544	0.817	0.544	0.817	0.544	0.817
	43 (18)	33	0.561	0.841	0.561	0.841	0.561	0.841	0.561	0.841
	43 (18)	50	0.810	1.215	0.810	1.215	0.810	1.215	0.810	1.215
	54 (16)	33	0.789	1.183	0.789	1.183	0.789	1.183	0.789	1.183
	54 (16)	50	1.139	1.709	1.138	1.709	1.139	1.709	1.139	1.709
	68 (14)	50	1.610	1.742	1.610	1.903	1.610	1.742	1.610	1.903
	97 (12)	50	1.698	1.742	1.698	1.903	1.698	1.742	1.698	1.903

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

- ◆ Load tables reflect horizontal loads (F2)
- ◆ Design loads are for attachment of DriftClip DSLS 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 DSLS for attachment to stud. If loads justify use of a third screw, TSN will provide 3 slots and 3 screws with each clip