

Drift FastClip™ Slide Clip - 97mils (12ga)

Curtain Wall/Bypass with Drift & Vertical Deflection

Vertical and lateral building movement up to 2".

ClarkDietrich Drift FastClip™ Slide Clip 97mils (12ga) is used to attach exterior curtain-wall studs to the building structure and provide for both vertical and lateral movement. Proprietary HD Deflection Screws are provided with each clip for attachment to the wall studs and allow for 2" vertical deflection (1" up and down) to ensure friction-free sliding. Step bushings are provided for the connection to the structure and allow for 2" lateral deflection (1" left and right).

MATERIAL SPECIFICATIONS

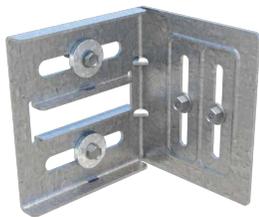
- Gauge:** 12 gauge (97mils)
- Design Thickness:** 0.1017 inches
- Yield Strength:** 50ksi
- Coating:** G90
- ASTM:** A653/A1003

PRODUCT DIMENSIONS

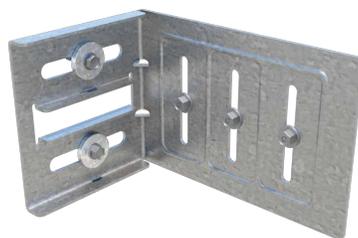
- D-FCSC3.5: 3-3/4" x 4" x 3-1/2" long
- D-FCSC6: 3-3/4" x 4" x 6" long
- D-FCSC8: 3-3/4" x 4" x 8" long

ALTERNATIVE PRODUCTS

Drift Rail and Clip



D-FCSC3.5



D-FCSC6



D-FCSC8

Drift FastClip™ Slide Clip (D-FCSC)

Product code	Thickness		Size (in)	No. of Bushings per Clip	No. of Slots & Deflection Screws per Clip
	Mils (Gauge)	Design thickness (in)			
D-FCSC3.5-97	97mils (12ga)	0.1017	3-1/2"	2	2
D-FCSC6-97	97mils (12ga)	0.1017	6"	2	3
D-FCSC8-97	97mils (12ga)	0.1017	7-3/4"	2	4

Packaging: 25 Clips per Bucket

D-FCSC3.5 includes (55) Proprietary HD Deflection Screws & (50) Bushings

D-FCSC6 includes (80) Proprietary HD Deflection Screws & (50) Bushings

D-FCSC8 includes (110) Proprietary HD Deflection Screws & (50) Bushings



Silver Colored Bushing for 12ga Clips

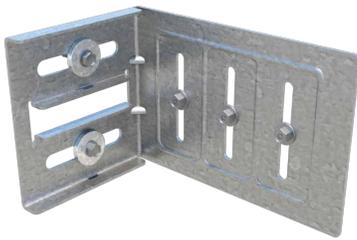


Proprietary HD Deflection Screws (10ga and 12ga clips only)

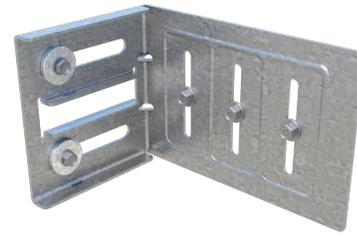
INSTALLATION

To attach the clip to the cold-formed steel framing, two, three or four Proprietary HD Deflection Screws (based upon clip size), shall be driven through the slotted holes and positioned to allow for the appropriate building deflection.

Attachment to the primary structure can be made with screws, or bolt anchors. Structure attachments shall be driven through the drift bushings and the Drift FastClip™ - centered in the drift slots.



STRUCTURE CENTER CONNECTION¹
Drift Bushings centered in slots



STRUCTURE OFFSET CONNECTION²
Drift Bushings at far end of slots

Drift FastClip™ Slide Clip (D-FCSC) Allowable Loads ATTACHED TO MIN. 3/16" STRUCTURAL STEEL WITH (2) 1/4"-20 SCREWS

Clip designation	Stud thickness Mils (Gauge)	Fasteners		Tension or Compression Load Capacity			
		to Framing	to Structure	ASD		LRFD	
				Center (lbs)*	Offset (lbs)**	Center (lbs)*	Offset (lbs)**
D-FCSC3.5 97mils (12ga)	33mils (20ga) 33ksi	(2) Proprietary HD Deflection Screws	(2) 1/4" - 20 with Drift Bushing	488	443	781	709
	43mils (18ga) 33ksi			740	499	1183	798
	54mils (16ga) 50ksi			877	877	1402	1402
	68mils (14ga) 50ksi			877	877	1402	1402
	97mils (12ga) 50ksi			877	877	1402	1402
D-FCSC6 97mils (12ga)	33mils (20ga) 33ksi	(3) Proprietary HD Deflection Screws	(2) 1/4" - 20 with Drift Bushing	777	592	1243	948
	43mils (18ga) 33ksi			934	934	1494	1494
	54mils (16ga) 50ksi			978	967	1564	1548
	68mils (14ga) 50ksi			978	967	1564	1548
	97mils (12ga) 50ksi			978	967	1564	1548
D-FCSC8 97mils (12ga)	43mils (18ga) 33ksi	(4) Proprietary HD Deflection Screws	(2) 1/4" - 20 with Drift Bushing	822	822	1316	1316
	54mils (16ga) 50ksi			845	845	1353	1353
	68mils (14ga) 50ksi			845	845	1353	1353
	97mils (12ga) 50ksi			845	845	1353	1353

Notes:

- * Proprietary HD Deflection Screws centered in slots, Drift bushings centered in slots.
- ** Proprietary HD Deflection Screws centered in slots, Drift bushings at end of slots.
- 1 Load capacities have not been increased for wind, seismic, or other factors.
- 2 Load capacities include 1/8" service load limitation.
- 3 Load capacities calculated considering (2) 1/4"-20 screws for structure connection to 3/16" steel.
- 4 Refer to ICC-ESR-3332 for allowable loads using 1/4"-20 screw fasteners with various plate connection thickness.
- 5 Proprietary HD Deflection Screws for framing connection and step bushings for structure connection are provided with D-FCSC clip.

