

Product Application

The DPLC2 bypass slab drift clip secures the bypass curtain wall stud to the building structure, allowing for vertical deflection and lateral drift.

The insert is attached to the clip making installation quick, easy, and efficient. Clips come packaged in durable buckets for convenient handling on the jobsite. Patent No. 7478508-B2.

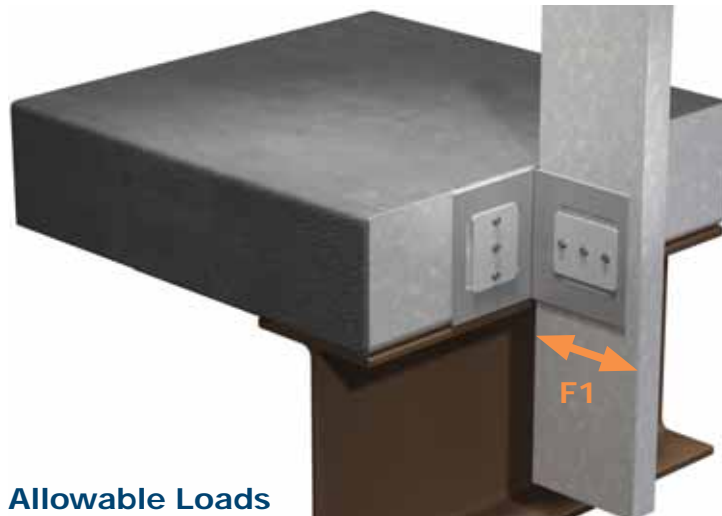
Features and Benefits

- Insert allows for 2" total vertical deflection and 2" lateral drift
 - Deflection greater than 2" is available
- Loads based on #12 screws
 - Screws are provided
- Large insert pieces for easy installation
- Pre-punched guide holes
- Transfers horizontal load into structure

Quantity / Order Information

Part No.	Width	Qty / Bucket	Lbs / Bucket
DPLC2-550	5 1/2"	20	56
DPLC2-750	7 1/2"	15	48
DPLC2-950	9 1/2"	15	53
DPLC2-1150	11 1/2"	15	58

All DPLC2 clips include inserts. Additional lengths available upon request.



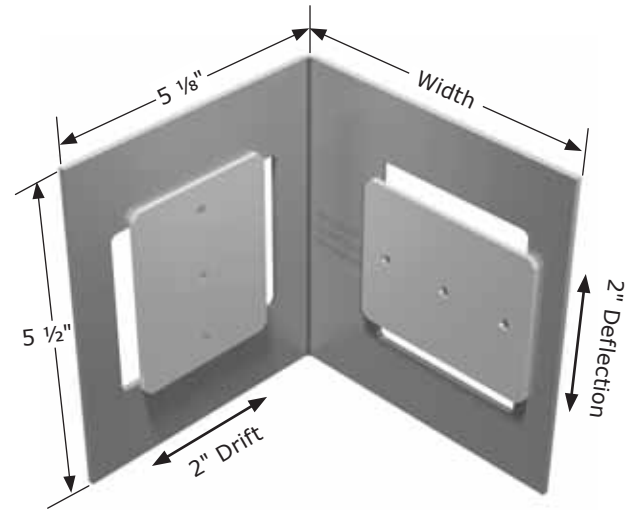
Allowable Loads

Part No.	Stud Properties			F1 Allowable Loads (lbs)	
	Mil	Gauge	Fy (ksi)	2 #12 Screws*	3 #12 Screws*
DPLC2 550 750	33EQS	20	57	429	643
	33	20	33	377	565
	43EQS	18	57	677	905
	43	18	33	561	841
	54	16	50	905	905
	68	14	50	905	905
	97	12	50	905	905
	118	10	50	905	905
	Maximum Allowable Clip Capacity				Max F1 = 905 lbs

* Number of screws per insert

Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. Screw spacing and edge distance shall not be less than 3 x d (d=nominal screw diameter).
3. The allowable loads are based on the steel properties of the members being connected, per AISI section E4.
4. Use the lowest applicable values when connecting materials of different thicknesses or tensile strength (Fu).
5. The nominal strength of the screw must be at least 3.75 times the allowable loads.



Material Composition

- Mill certified steel
- ASTM A653/A653M
- Clip
 - 114 mil material thickness
 - 57 ksi yield strength
 - 65 ksi tensile strength
 - G90 galvanized coating
- Insert
 - 127 mil material thickness
 - 57 ksi yield strength
 - 65 ksi tensile strength
 - G90 galvanized coating



Part No.	Stud Properties			F1 Allowable Loads (lbs)	
	Mil	Gauge	Fy (ksi)	2 #12 Screws*	3 #12 Screws*
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	33	20	33	377	565
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	43	18	33	561	841
	54	16	50	895	895
	68	14	50	895	895
	97	12	50	895	895
	118	10	50	895	895
	Maximum Allowable Clip Capacity				Max F1 = 895 lbs

* Number of screws per insert

6. Penetration of screws through joined materials should not be less than three exposed threads. Install and tighten screws in accordance with the screw manufacturer's recommendations.
7. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
8. Applied loads may be multiplied by 3/4 for seismic or wind loading, per AISI Section A5.1.3
9. Loads are for attachment of DPLC2 drift clip to stud only.
10. The designer shall check the bending and the short leg of this clip and its connection to the structure members, depending on the direction of the forces.