

Product Application

The ESC exterior head-of-wall slide clip attaches the exterior stud to the top track which is fastened to the building structure, allowing for vertical deflection. This clip maintains lateral rigidity and provides a low friction connection, preventing vertical load transfers into the curtain wall.

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.

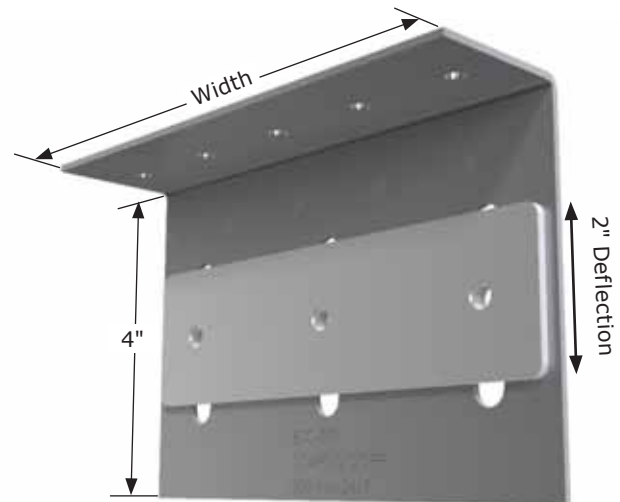
Features and Benefits

- Insert allows for 2" total vertical deflection
 - Deflection of 1" up and 1" down
- Loads based on #10 screws
 - Screws are provided
- Large insert piece for easy installation
- Pre-punched guide holes
- Transfers horizontal load into structure
- Maintains lateral rigidity
- Provides positive attachment at each stud

Quantity / Order Information

Part No.	Width	Qty / Bucket	Lbs / Bucket
ESC337	3 ¾"	100	50
ESC550	5 ½"	50	40
ESC750	7 ½"	50	55
ESC950	9 ½"	30	42
ESC1150	11 ½"	30	51

All ESC slide clips include insert. Additional lengths available upon request.



Material Composition

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

Allowable Loads

Part No.	Stud Properties			F1 Allowable Loads (lbs)	
	Mil	Gauge	Fy (ksi)	2 #10 Screws	
ESC 337	33EQS	20	57	402	402
	33	20	33	353	353
	43EQS	18	57	635	635
	43	18	33	526	526
	54	16	50	830	830
	68	14	50	830	830
	97	12	50	830	830
	118	10	50	830	830
Maximum Allowable Clip Capacity				Max F1 = 830 lbs	

Part No.	Stud Properties			F1 Allowable Loads (lbs)	
	Mil	Gauge	Fy (ksi)	2 #10 Screws	3 #10 Screws
ESC 550	33EQS	20	57	402	603
	33	20	33	353	530
	43EQS	18	57	635	952
	43	18	33	526	789
	54	16	50	1068	1602
	68	14	50	1510	1855
	97	12	50	1855	1855
	118	10	50	1855	1855
Maximum Allowable Clip Capacity				Max F1 = 1855 lbs	

Table Notes

1. Allowable loads have not been increased for wind, seismic activity, or other factors.
2. The allowable loads are based on the steel properties of the members being connected, per AISI S100.
3. The nominal strength of the screw must be at least 3.75 times the allowable loads.
4. 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.
5. Screw shear capacities are based on allowable strength design (ASD) and include a safety factor of 3.0.
6. Allowable loads indicated on the table(s) are for force in single direction only. The designer shall use the combined forces check as required by AISI S100 if more than one force is applied to the connection.
7. The designer shall check the bending in the short leg of clip.

