

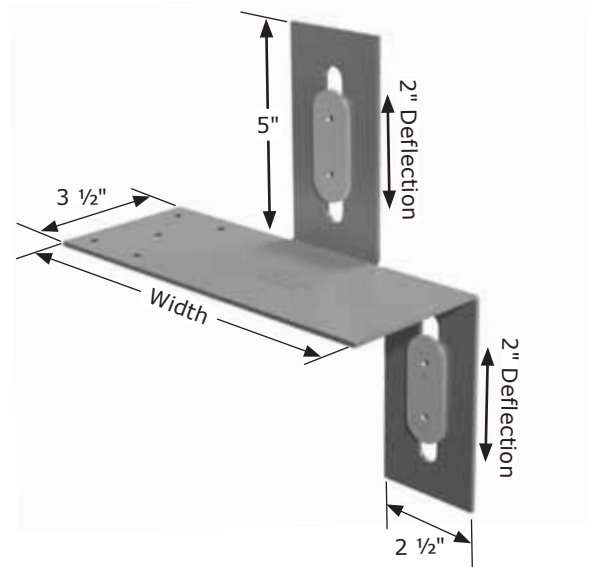
Product Application

The STP bypass slab top plate attaches the bypass curtain wall stud to the building structure, allowing for vertical deflection while maintaining lateral rigidity. This slide strut provides a non-frictional connection and prevents vertical load transfers into the curtain wall.

The insert is attached to the clip making installation quick, easy, and efficient.

Features and Benefits

- Unique insert allows for 2" total vertical deflection
 - Deflection of 1" up and 1" down
- Large insert piece for easy installation
- Pre-punched holes for #12 framing screws
- Maintains lateral rigidity
- Meets or exceeds building code criteria



Quantity / Order Information

Part No.	Width
STP-900	9"
STP-1200	12"
STP-1500	15"
STP-1800	18"
STP-2000	20"

All STP struts include inserts. Additional lengths available upon request.

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

Allowable Loads

Part No.	Stud Properties			F1 Allowable Loads (lbs)
	Mil	Gauge	Fy (ksi)	2 #12 Screws*
STP 900 1200 1500	33EQS	20	57	710
	33	20	33	710
	43EQS	18	57	710
	43	18	33	710
	54	16	50	710
	68	14	50	710
	97	12	50	710
	118	10	50	710
Maximum Allowable Clip Capacity				Max F1 = 710 lbs

* Number of screws per insert

Part No.	Stud Properties			F1 Allowable Loads (lbs)
	Mil	Gauge	Fy (ksi)	2 #12 Screws*
STP 1800 2000	33EQS	20	57	670
	33	20	33	670
	43EQS	18	57	670
	43	18	33	670
	54	16	50	670
	68	14	50	670
	97	12	50	670
	118	10	50	670
Maximum Allowable Clip Capacity				Max F1 = 670 lbs

* Number of screws per insert

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.

