

# SSB Bypass Framing Slide-Clip Strut Connector

The SSB connector is a versatile strut connector that is commonly used at the bottom of a steel beam to accommodate large standoff conditions. It accommodates 1" of upward and 1" of downward movement.

**Material:** 54 mil (16 ga.)

**Finish:** Galvanized (G90)

**Installation:**

- Use the specified type and number of anchors.
- Use the specified number of XLSH34B1414 #14 shouldered screws (included). Install shouldered screws in the slots adjacent to the No-Equal® stamp.
- Use a maximum of one screw per slot.
- If the SSB intrudes on interior space, it can be trimmed. The trimmed part shall allow an edge distance from the center of the nearest anchor to the end of the trimmed part of 1/2" or greater.
- For installations to wood framing, see Simpson Strong-Tie® engineering letter L-CF-DEFCLIPW at [strongtie.com](http://strongtie.com).

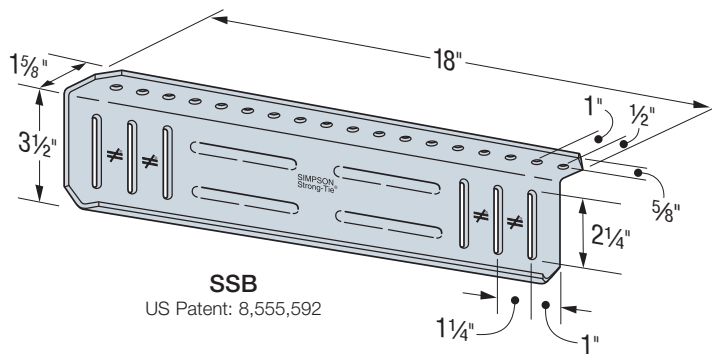
**Codes:** See p. 13 for Code Reference Key Chart

**Ordering Information:**

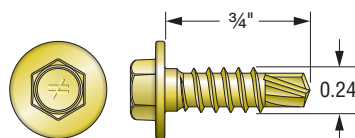
SSB3.518-KT contains:

- Box of 25 connectors
- (83) XLSH34B1414 #14 shouldered screws

**Note:** Replacement #14 shouldered screws for SSB connectors are XLSH34B1414-RP83.



**SSB**  
US Patent: 8,555,592

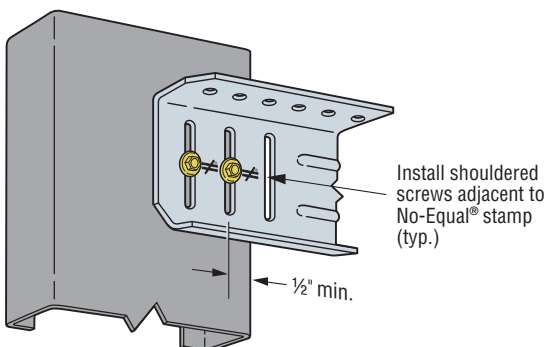


**XLSH34B1414**  
**#14 Shouldered Screw**  
for Attachment to Stud Framing  
(included)

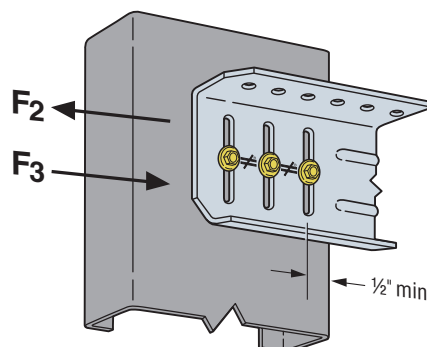
## SSB Allowable Connector Loads (lb.)

Model No.	Connector Material Thickness mil (ga.)	No. of #14 Shouldered Screws	Stud Thickness						Code Ref.
			33 mil (20 ga.)		43 mil (18 ga.)		54 mil (16 ga.)		
			F <sub>2</sub>	F <sub>3</sub>	F <sub>2</sub>	F <sub>3</sub>	F <sub>2</sub>	F <sub>3</sub>	
SSB3.518	54 (16)	2 <sup>1</sup>	480	480	640	640	890	890	IBC, FL, LA
		3	755	755	955	1,000	1,235	1,370	

1. When the SSB connector is used with two shouldered screws, the screws may be installed in any two slots.
2. Allowable loads are based on clips installed with (3) #12-24 screws in the anchor leg. For other anchorage installations, the capacity of the connection system will be the minimum of the tabulated value and the allowable load from the SSB Allowable Anchorage Loads table on p. 43.
3. The maximum standoff for SSB with (2) screws and (3) screws is 1 1/4" and 1 1/2", respectively.



**SSB Installation with Two Shouldered Screws**



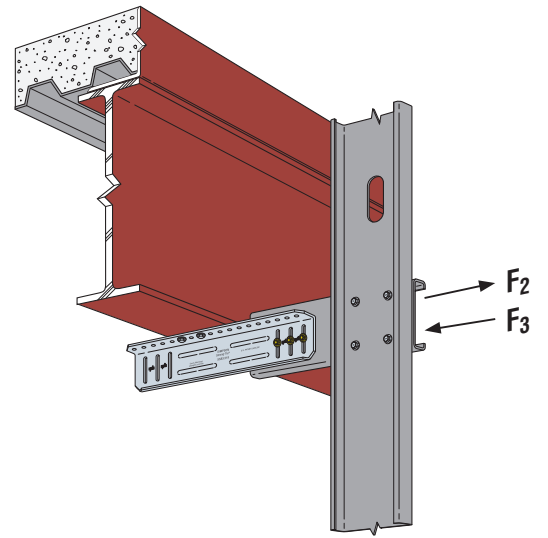
**SSB Installation with Three Shouldered Screws**

# SSB Bypass Framing Slide-Clip Strut Connector

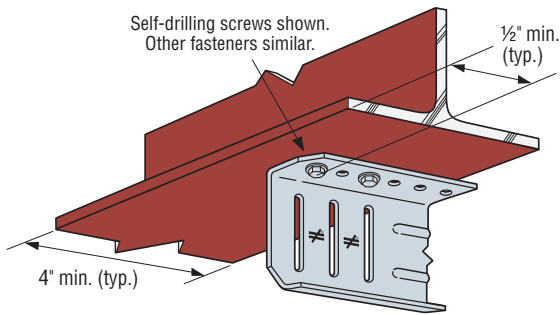
## SSB Allowable Anchorage Loads (lb.)

Anchorage Type	No. of Anchors	Allowable Load F <sub>2</sub> and F <sub>3</sub>
#12-24 self-drilling screws	2	1,250
	3	1,875
Simpson Strong-Tie® 0.157" x 5/8" powder-actuated fasteners PDPAT-62KP	2	820
	3	1,225
Weld E70XX electrodes	Hard side: 2" Free side: 1"	2,455

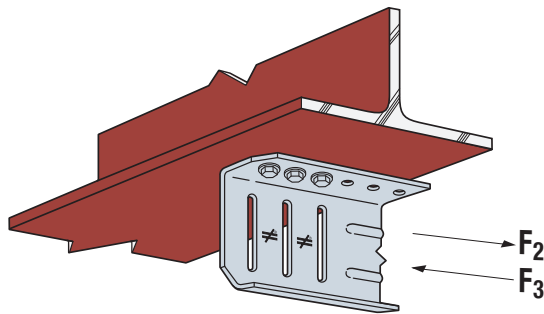
- For additional important information, see General Information and Notes on p. 26.
- Allowable loads are for clip anchorage only. The capacity of the connection system will be the minimum of the tabulated value and the allowable load from the SSB Allowable Connector Loads table on p. 42.



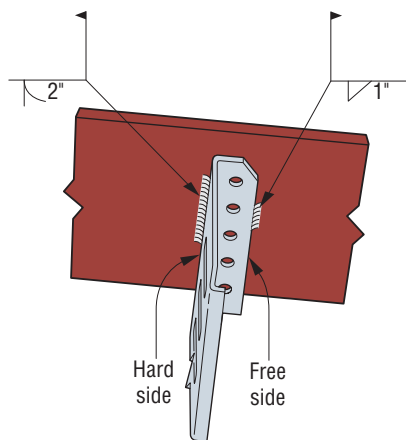
Typical SSB Installation with Stud Strut



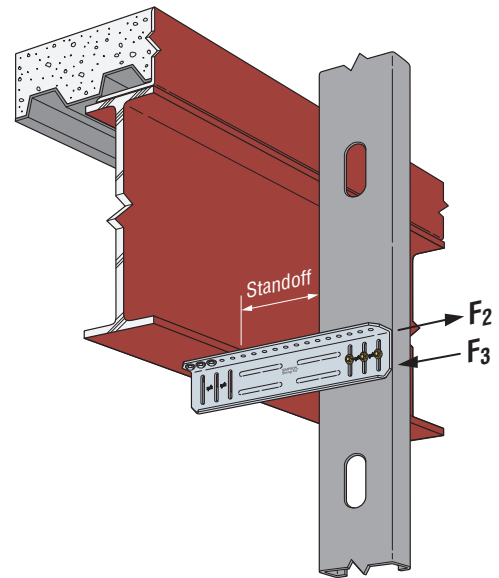
Two Anchors



Three Anchors



Weld  
SSB Anchor Layout



Typical SSB3.518 Installation