Z

Clip

The Z clip secures 2x4 flat blocking between joists or trusses to support sheathing.

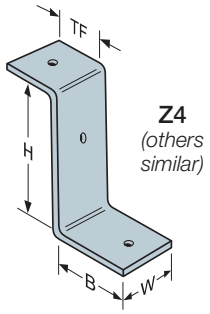
Material: See table

Finish: Galvanized

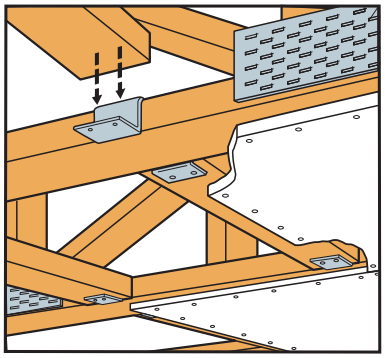
Installation:

- Use all specified fasteners; see General Notes.
- Z clips do not provide lateral stability. Do not walk on stiffeners or apply load until diaphragm is installed and nailed to stiffeners.

Codes: See p. 12 for Code Reference Key Chart



Z4
(others similar)



Typical Z2 Installation

Model No.	Ga.	Dimensions (in.)				Fasteners[1] (Total) (in.)	DF/SP Allowable Download (100/115/125/160)	Code Ref.
		W	H	B	TF			
Z2	20	2⁵⁄₁₆	1½	1⅜	1⅜	(4) 0.148 x 1½	420	IBC, FL, LA
Z4	12	1½	3½	2⅛	1¾	(2) 0.162 x 3½	420	
Z28	28	2⁵⁄₁₆	1½	1⅜	1⅜	0.148 x 1½[1]	—	—
Z38	28	2⁵⁄₁₆	2½	1⅜	1⅜	0.148 x 1½[1]	—	
Z44	12	2½	3½	2	1⅜	(4) 0.162 x 3½	775	IBC, FL, LA

1. Z28 and Z38 do not have nail holes. Fastener quantity and type shall be per Designer.
2. Z4 loads apply with a nail in the top and a nail in the seat.
3. For SPF/HF lumber, use 0.86 x DF/SP allowable loads.
4. **Fasteners:** Nail dimensions in the table are listed diameter by length. See pp. 21–22 for fastener information.

HL

Heavy Angle and Gusset

Versatile angle gussets and heavy angles promote standardization and construction economy, and are compatible with Simpson Strong-Tie structural hardware.

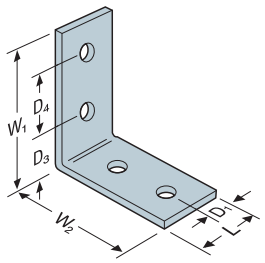
Finish: 7 ga. models — galvanized; 3 ga. models — Simpson Strong-Tie gray paint. May be ordered HDG or black powder coat (add HDG or PC to model no.); contact Simpson Strong-Tie.

Options:

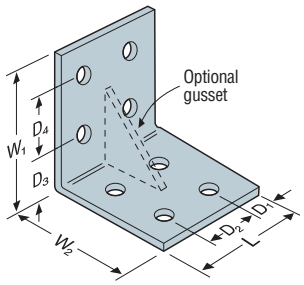
- Gussets may be added to HL models when L ≥ 5" (specify G after model number, as in HL46G).

Codes: See p. 12 for Code Reference Key Chart

These products are available with additional corrosion protection. For more information, see p. 15.



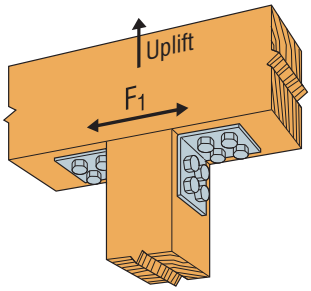
HL53



HL55

Model No.	Ga.	Dimensions (in.)						Bolts (Total)		DF/SP Allowable Loads		Code Ref.
		W_1 and W_2	L	D_1	D_2	D_3	D_4	Qty.	Dia.	Uplift (160)	F_1 (160)	
Single Row Angles												
HL33	7	3¼	2½	1¼	—	2	—	2	½	910	1,580	—
HL35	7	3¼	5	1¼	2½	2	—	4	½	910	1,580	
HL37	7	3¼	7½	1¼	2½	2	—	6	½	910	1,580	
HL43	3	4¼	3	1½	—	2¾	—	2	¾	1,555	1,580	
HL46	3	4¼	6	1½	3	2¾	—	4	¾	1,555	2,025	
HL49	3	4¼	9	1½	3	2¾	—	6	¾	1,555	2,025	
Double Row Angles												
HL53	7	5¾	2½	1¼	—	2	2½	4	½	910	1,580	—
HL55	7	5¾	5	1¼	2½	2	2½	8	½	910	1,580	
HL57	7	5¾	7½	1¼	2½	2	2½	12	½	910	1,580	
HL73	3	7¼	3	1½	—	2¾	3	4	¾	1,555	2,025	
HL76	3	7¼	6	1½	3	2¾	3	8	¾	2,115	3,800	
HL79	3	7¼	9	1½	3	2¾	3	12	¾	2,115	3,800	

1. See pp. 260–261 for Straps and Ties General Notes.
2. For SPF/HF lumber, use 0.85 x DF/SP allowable loads.
3. Parts should be centered on the face of the member to which they are attached.
4. Wood members for the "3" and "5" series must have a minimum width and thickness of 3½" for table loads to apply.
5. Wood members for the "4" and "7" series must have a minimum width and thickness of 5⅛" for table loads to apply.
6. Parts must be used in pairs.
7. Lag screws of equal diameter (minimum 5" long) may be substituted for bolts in the beam with no reduction in load.



Typical HL55 Installation