

## Bridle Hanger

Attach floor joists to structural steel beams or wood ledgers.

Bridle hangers are commonly used to attach light-gauge C-joists to structural steel beams or wood ledgers. Connections can be made with screws, powder-actuated fasteners, drill-in concrete anchors or welding. Single- and double-wide bridle hangers are available.

### PRODUCT DIMENSIONS

Widths: 2-1/16" or 4-1/8"

Heights: 6", 8", 10" or 12"

### MATERIAL SPECIFICATIONS

Gauge: 14 gauge (68mils)

Design Thickness: 0.0713 inches

Gauge: 12 gauge (97mils)

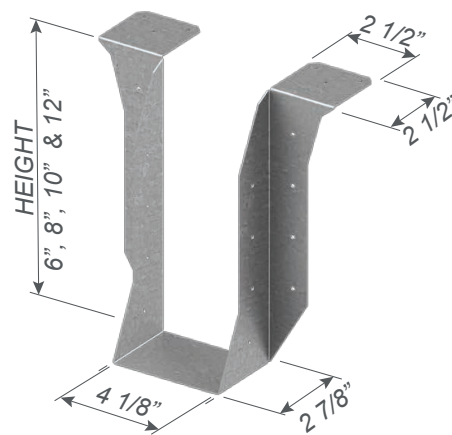
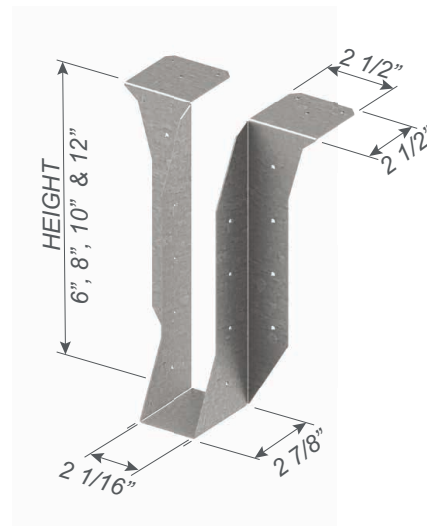
Design Thickness: 0.1017 inches

Coating: G90

ASTM: A653/A653M

### INSTALLATION

Attach bridle hanger to the primary frame as specified. When welding the hanger to the primary frame, a minimum of 2" fillet weld on each top flange is required. Distribute the weld equally on both top flanges. Uplift loads do not apply to weld-on applications. Special considerations must be taken when welding galvanized steel. Place joist into hanger and secure with fasteners. If bridle hanger is less than beam depth, provide back blocking.

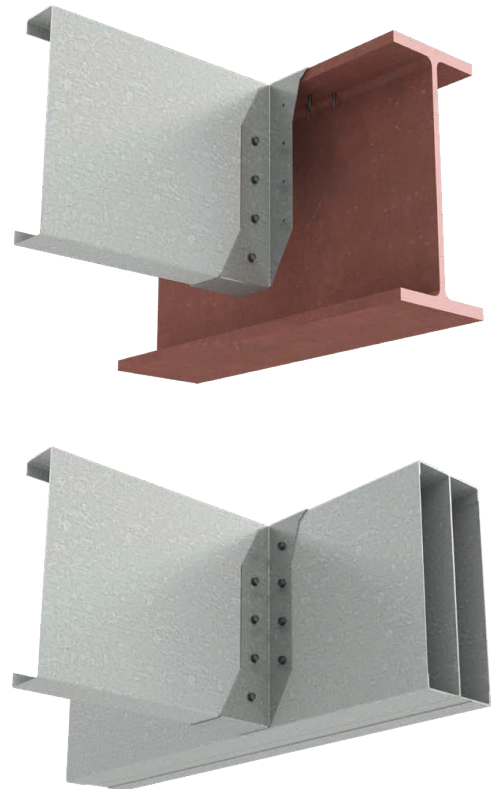


### Bridle Hangers (CDBV, CDMB)

Product code	Thickness		Depth (H) (in)	Width (W) (in)	Packaging Pcs./Carton
	Mils (Gauge)	Design thickness (in)			
CDBV 1-5/8 x 6	68mils (14ga)	0.0713	6	1-5/8	20
CDBV 1-5/8 x 8			8		20
CDBV 1-5/8 x 10			10		15
CDBV 1-5/8 x 12			12		15
CDBV 2 x 6	68mils (14ga)	0.0713	6	2-1/16	20
CDBV 2 x 8			8		20
CDBV 2 x 10			10		15
CDBV 2 x 12			12		15
CDBV 4 x 6	68mils (14ga)	0.0713	6	4-1/8	15
CDBV 4 x 8			8		15
CDBV 4 x 10			10		15
CDBV 4 x 12			12		15
CDMB 1-5/8 x 6	97mils (12ga)	0.1017	6	1-5/8	20
CDMB 1-5/8 x 8			8		20
CDMB 1-5/8 x 10			10		15
CDMB 1-5/8 x 12			12		15
CDMB 2 x 6	97mils (12ga)	0.1017	6	2-1/16	20
CDMB 2 x 8			8		20
CDMB 2 x 10			10		15
CDMB 2 x 12			12		15
CDMB 4 x 6	97mils (12ga)	0.1017	6	4-1/8	15
CDMB 4 x 8			8		15
CDMB 4 x 10			10		15
CDMB 4 x 12			12		15

### Bridle Hangers (CDBV, CDMB)

Product code	Member Designation (in)		Screw Configuration / Hanger				ASD Loads (lb)	
	Width	Height	Header		Joist	Uplift	Down	
			Flange	Web	Web			
CDBV 68mils (14ga)	1-11/16"	6	(6) #10	(4) #12	(2) #12	1146	1443	
		8	(6) #10	(6) #12	(3) #12	1929	2193	
		10	(6) #10	(8) #12	(4) #12	2314	2620	
		12	(6) #10	(10) #12	(5) #12	2873	3319	
		6	(4) x 2" fillet weld [each side of top flange]	(2) #12	—	1554		
		8		(3) #12	—	2089		
	10	(4) #12		—	2089			
	12	(5) #12		—	2089			
	2-1/16"	6	(6) #10	(4) #12	(2) #12	1146	1443	
		8	(6) #10	(6) #12	(3) #12	1929	2193	
		10	(6) #10	(8) #12	(4) #12	2314	2620	
		12	(6) #10	(10) #12	(5) #12	2873	3319	
		6	(4) x 2" fillet weld [each side of top flange]	(2) #12	—	1554		
		8		(3) #12	—	2089		
	10	(4) #12		—	2089			
	12	(5) #12		—	2089			
	4-1/8"	6	(6) #10	(4) #12	(4) #12	2293	2886	
		8	(6) #10	(6) #12	(6) #12	3699	4197	
		10	(6) #10	(8) #12	(8) #12	4629	5239	
		12	(6) #10	(10) #12	(10) #12	5025	6054	
		6	(4) x 2" fillet weld [each side of top flange]	(4) #12	—	3108		
		8		(6) #12	—	3771		
	10	(8) #12		—	5055			
	12	(10) #12		—	5104			
CDMB 97mils (12ga)	1-11/16"	6	(6) #10	(4) #14	(2) #14	1545	2032	
		8	(6) #10	(6) #14	(3) #14	2370	2687	
		10	(6) #10	(8) #14	(4) #14	3166	3474	
		12	(6) #10	(10) #14	(5) #14	3927	4950	
		6	(4) x 2" fillet weld [each side of top flange]	(2) #14	—	2032		
		8		(3) #14	—	2462		
	10	(4) #14		—	2993			
	12	(5) #14		—	2993			
	2-1/16"	6	(6) #10	(4) #14	(2) #14	1545	2032	
		8	(6) #10	(6) #14	(3) #14	2370	2687	
		10	(6) #10	(8) #14	(4) #14	3166	3474	
		12	(6) #10	(10) #14	(5) #14	3927	4950	
		6	(4) x 2" fillet weld [each side of top flange]	(2) #14	—	2032		
		8		(3) #14	—	2462		
	10	(4) #14		—	2993			
	12	(5) #14		—	2993			
	4-1/8"	6	(6) #10	(4) #14	(4) #14	3090	4064	
		8	(6) #10	(6) #14	(6) #14	4332	5558	
		10	(6) #10	(8) #14	(8) #14	6332	6949	
		12	(6) #10	(10) #14	(10) #14	7771	8948	
		6	(4) x 2" fillet weld [each side of top flange]	(4) #14	—	4064		
		8		(6) #14	—	4789		
	10	(8) #14		—	6078			
	12	(10) #14		—	6489			



**Notes:**

- 1 Screws shall be installed through the pre-drilled holes in the hanger or as detailed by the designer.
- 2 CFS joist shall be laterally braced per designer specification.
- 3 An 1/8" gap shall be maintained between end of the joist and the supporting header.
- 4 CFS header must be braced to prevent web crippling/buckling per designer specification.
- 5 CFS header must have full bearing of 2-1/2" flange-depth.
- 6 The ultimate screw shear strength for #12 screws shall be at least 2330 lbs.
- 7 The ultimate screw shear strength for #14 screws shall be at least 3048 lbs.
- 8 The screw shear strength capacities are based on CFSEI Tech Note (F701-12).
- 9 Allowable loads have not been increased for seismic or wind.
- 10 Contact ClarkDietrich Engineering Services for technical assistance.