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. Singleand double-wide bridle hangers are available.

PRODUCT DIMENSIONS

Widths: 1-5/8", 2-1/16" or 4-1/8" Heights: 6", 8", 10" or 12"

MATERIAL SPECIFICATIONS

Gauge: 14 gauge (68mil) Design Thickness: 0.0713 inches

Gauge: 12 gauge (97mil) Design Thickness: 0.1017 inches

Coating: G90 **ASTM**: A653/A653M

Bridl	e Hangers	s (CDBV,	CDME	3)	
Product code	Thic	kness		Width (W) (in)	
	Mils (Gauge)	Design thick- ness (in)	Depth (H) (in)		Packaging Pcs./Carton
CDBV	68mil (14ga)	0.0713	6		20
			8	4.5/0	20
			10	1-5/8	15
			12	-	15
			6		20
			8	2 1/16	20
			10	2-1/10	15
			12		15
			6	4-1/8	15
			8		15
			10		15
			12		15
CDMB	97mil (12ga)	0.1017	6		20
			8	1_5/8	20
			10	1-5/0	15
			12		15
			6		20
			8	2-1/16	20
			10	2 1/10	15
			12		15
			6		15
			8	4-1/8	15
			10	- 1/0	15
			12		15

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	Member Designation (in)		Screw Configuration /		Hanger	ASD Loads (Ib)				
	Width	Height	Hea Flange	ider Web	Joist Web	Uplift	Down			
CDBV 68mil (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			(2) #12	_	1554			
		8	(4) x 2" fillet weld [each side of top flange]		(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			(2) #12	_	1554			
		8	(4) x 2" fillet weld		(3) #12	-	2089			
		10	[each side o	f top flange]	(4) #12	-	2089			
		12			(5) #12	_	2089			
		6	(6) #10	(4) #12	(4) #12	2293	2886			
	4-1/8	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				_	5104			
	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					2032			
		8	(4) x 2" fillet weld [each side of top flange]		(3) #14	_	2462			
CDMB 97mil		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			
(12ga)		6			(2) #14		2032			
(Tzga)		8	(4) x 2" fillet weld [each side of top flange]		(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) #14	_	4064			
		8	(4) x 2" fillet weld [each side of top flange]		(6) #14	_	4789			
		10			(8) #14	_	6078			
		12			(10) #14	_	6489			



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.





Typical Construction Details



Visit our CAD Library at clarkdietrich.com to view or download construction details in .dwg, .dxf, and .pdf formats.



ATTACH BREALE HANGER TO CFS HEADER W/ SCHEWS, SIZE & QUANTITY AS REQ'D BY DESIGN

L JOIST FLANCE MUST REST ON BOTTOM OF BREALE HANGER

CFS HEADER AS REQ'

POR PLAN