

MBHA

Concrete and Masonry Top-Flange Hanger

The MBHA is a single-piece, non-welded connector available for solid sawn, truss and engineered wood products.

Material: 10 gauge

Finish: Galvanized

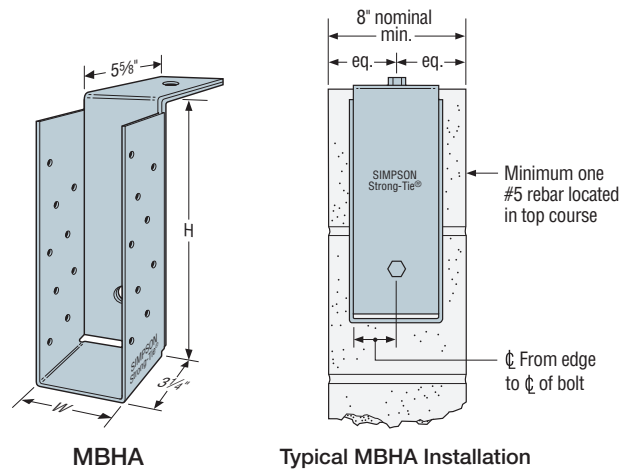
Installation:

- Use all specified fasteners; see General Notes

Options:

- Seat can be skewed at 45° only. The maximum allowable download is 3,495 lb. and 1,585 lb. uplift for height 7 1/4". For all other models, use the table listed download and uplift of 2,390 lb. Order MBHAR for skew right and MBHAL for skew left.

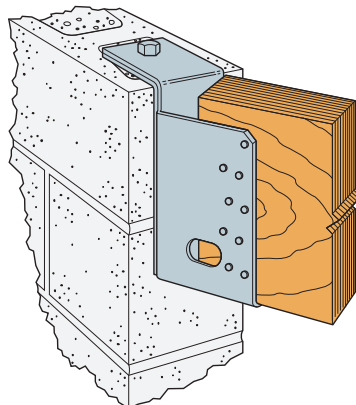
Codes: See p. 12 for Code Reference Key Chart



Model No.	CL	Dimensions (in.)	
		W	H
MBHA3.12/9.25	1 1/16	3 3/8	9 1/4
MBHA3.12/11.25	1 1/16	3 3/8	11 1/4
MBHA3.56/7.25	1 3/4	3 3/16	7 1/4
MBHA3.56/9.25	1 3/4	3 3/16	9 1/4
MBHA3.56/11.25	1 3/4	3 3/16	11 1/4
MBHA3.56/11.88	1 3/4	3 3/16	11 7/8
MBHA3.56/14	1 3/4	3 3/16	14
MBHA3.56/16	1 3/4	3 3/16	16
MBHA3.56/18	1 3/4	3 3/16	18
MBHA5.50/7.25	2 3/4	5 1/2	7 1/4
MBHA5.50/9.25	2 3/4	5 1/2	9 1/4
MBHA5.50/11.25	2 3/4	5 1/2	11 1/4
MBHA5.50/11.88	2 3/4	5 1/2	11 7/8
MBHA5.50/14	2 3/4	5 1/2	14
MBHA5.50/16	2 3/4	5 1/2	16
MBHA5.50/18	2 3/4	5 1/2	18

Model No.	Fasteners (in.)			Allowable Loads (DF/SP)				Code Ref.
	Header		Joist	Concrete		GFCMU		
	Top	Face		Uplift (160)	Download (100)	Uplift (160)	Download (100)	
MBHA	(1) ATR 3/4	(1) ATR 3/4	(18) 0.148 x 3	3,775	6,050	3,475	5,330	IBC, FL, LA
MBHA models with H = 7 1/4"	(1) ATR 3/4	(1) ATR 3/4	(18) 0.148 x 3	1,885	4,380	1,885	4,380	

1. ATR is all-thread rod, grade A307 or better.
2. Concrete shall have a minimum compressive strength of $f'_c = 2,500$ psi.
3. Grout-filled CMU (GFCMU) shall have a minimum compressive strength of $f'_m = 1,500$ psi.
4. Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.
5. Loads are based on installation using SET-3G® or SET-XP® adhesive with 6 3/4" minimum embedment required. Refer to the Simpson Strong-Tie® Anchoring, Fastening and Restoration Systems for Concrete and Masonry catalog at strongtie.com.
6. MBHA hangers with height of 7 1/4" require a 3 1/2" minimum embedment of the face bolt using SET-3G adhesive.
7. Alternative anchorage to be designed by others.
8. Uplift loads are for SP. For DF, use lower of table load or 3,515 lb.
9. Table allowable loads were determined using the tested ultimate load with a safety factor of three or fastener calculation values.
10. **Fasteners:** Nail dimensions in the table are listed diameter by length. See pp. 21–22 for fastener information.



Typical MBHA Skewed Right Installation