

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

MATERIAL: 10 gauge

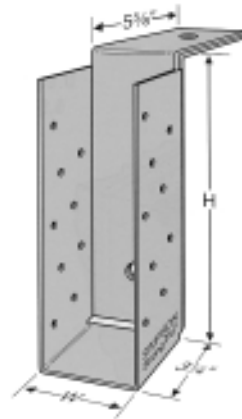
FINISH: Galvanized

INSTALLATION: • Use all specified fasteners.

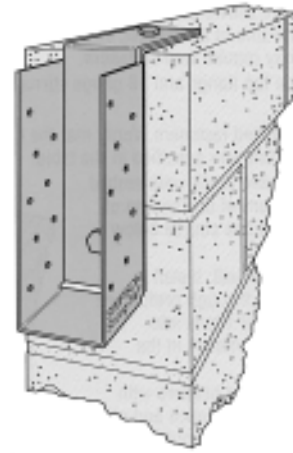
See General Notes.

OPTIONS: See Hanger Options, page 144.

CODE: SBCCI 9603.



MBHA



Typical MBHA Installation

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

Model No.	Fasteners ¹			Solid Concrete Allowable Loads				Grouted CMU Allowable Loads					
	Header		Joist	Uplift Avg Ult	Uplift ⁷		Down Avg Ult	Maximum Down Load	Uplift Avg Ult	Uplift ⁷		Down Avg Ult	Maximum Down Load
	Top	Face			(133)	(160)				(133)	(160)		
MBHA	1-ATR 3/8x8	1-ATR 3/8x8	1B-10d	15712	3145	3775	22352	6050	11290	3145	3475	20895	5330
MBHA models with H = 7 1/2	1-ATR 3/8x8	1-ATR 3/8x4 1/2	1B-10d	—	1885	1885	—	4380	5955	1885	1885	14562	4380

- ATR is all threaded rod.
- Allowable loads are based on a minimum of 2500 psi concrete and 2500 psi grout with one #5 horizontal rebar in the shear core.
- Uplift loads have been increased 33% and 60% for wind loading with no further increase allowed.

- Loads are based on installation using Simpson ET22 Epoxy-Tie 6 1/4" minimum embedment required. All thread rods and/or machine bolts to be 3/4" diameter x 8" long, grade A307 or better. Refer to the Anchoring Systems catalog.
- MBHA hangers with height of 7 1/2" require a 3 1/2" minimum embedment of the face bolt using ET22 Epoxy-Tie. All thread rods and/or machine bolts to be 3/4" diameter x 4 1/4" long, grade A307 or better.

- Additional anchorage products to be designed by others.
- Uplift loads are for Southern Pine. For Doug Fir use 2830 lbs (133) and 3515 lbs (160).

LTA1 LATERAL TRUSS ANCHOR

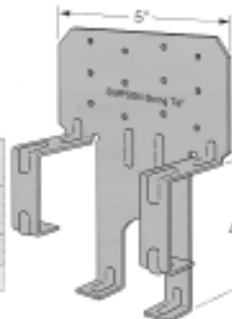
The LTA1 develops high uplift and lateral loads at a minimum heel height. Great in areas where a strap over the heel is not required. The side tabs act as a locator in the block and the four embedded hooks provide for a positive bond in the concrete.

MATERIAL: 18 gauge

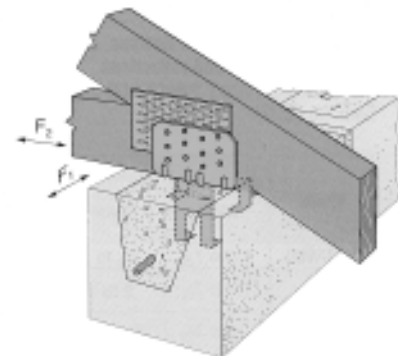
FINISH: Galvanized

INSTALLATION: • Use all specified fasteners. See General Notes.

Model No.	Fasteners	Uplift Avg Ult	Doug-Fir Larch/So. Pine Allowable Loads				Spruce-Pine-Fir Allowable Loads			
			Uplift		Lateral		Uplift		Lateral	
			(133)	(160)	F ₁	F ₂	(133)	(160)	F ₁	F ₂
LTA1	12-10dx1 1/2	—	1470	1765	350	1470	1250	1500	350	1250



LTA1



Typical LTA1 Installation