

HDOL/S (14 ga) and HD0/S (12 ga) top mount bridle hangers are available in a wide variety of stock sizes to match the most common framing needs with economical solutions where custom or special order hangers were required before. The revolutionary design utilizes shear lag slots designed to maximize the capacity of the hangers while providing a safe and ductile connection.

The HDOL/S and HD0/S hangers may be installed with screws, powder actuated fasteners, or welded to the header.

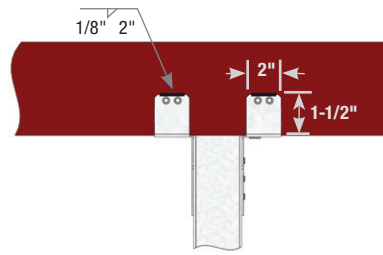
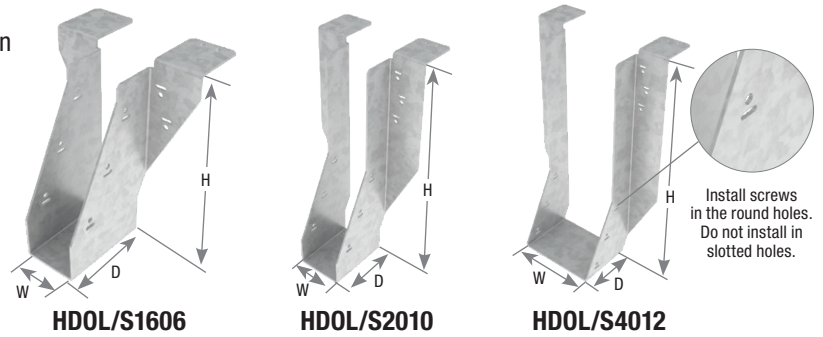
Materials: HDOL/S 68mil (14 gauge), HD0/S 97mil (12 gauge)

Finish: G90 galvanizing

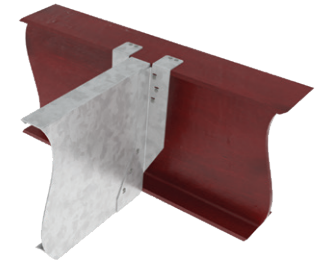
Patents: U.S. Patent No. 10,662,641,
 U.S. Patent No. 10,072,412

Installation:

- Install prescribed type and number of self-drilling screws in to the round holes of the hangers. Do not install screws in the shear lag slots.
- Welding of the hangers is permitted. Place a minimum 1/8" x 2" fillet weld on each top flange of the hanger welding should be performed by a qualified welder using a qualified welding procedure while distributing the weld evenly across both flanges.
- Powder actuated fasteners are permitted.



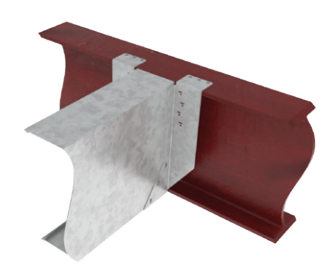
Top view detail of welds



Typical HDOL/S1616 (I-beam) installation



Typical HDOL/S2010 (CFS Header) installation



Typical HDOL/S4012 (I-beam) installation

MiTek Stock No.	Ref. No.	Steel Gauge	Dimensions (in)			Fastener Schedule					Allowable Loads ^{1,2,3}	Ctn Qty
			W	H	D	Header			Joist			
						Top Qty	Face Qty	Type ⁴	Qty	Type ⁴	Down 100%	
HDOL/S1606	S/LBV1.68/6	14	1-5/8	6	3	4	6	#10	3	#10	2950	25
HDOL/S1608	S/LBV1.68/8	14	1-5/8	8	3	4	6	#10	3	#10	2950	
HDOL/S1610	S/LBV1.68/10	14	1-5/8	10	3	4	6	#10	3	#10	2950	
HDOL/S1612	S/LBV1.68/12	14	1-5/8	12	3	4	6	#10	3	#10	2950	
HDOL/S2006	S/LBV2.06/6	14	2	6	3	4	6	#10	3	#10	2950	
HDOL/S2008	S/LBV2.06/8	14	2	8	3	4	6	#10	3	#10	2950	
HDOL/S2010	S/LBV2.06/10	14	2	10	3	4	6	#10	3	#10	2950	
HDOL/S2012	S/LBV2.06/12	14	2	12	3	4	6	#10	3	#10	2950	
HDOL/S4006	S/LBV4.06/6	14	4	6	3	4	6	#10	3	#10	2950	
HDOL/S4008	S/LBV4.06/8	14	4	8	3	4	6	#10	3	#10	2950	
HDOL/S4010	S/LBV4.06/10	14	4	10	3	4	6	#10	3	#10	2950	
HDOL/S4012	S/LBV4.06/12	14	4	12	3	4	6	#10	3	#10	2950	
HD0/S1606	S/B1.68/6	12	1-5/8	6	3-1/2	6	8	#10	3	#10	6140	
HD0/S1608	S/B1.68/8	12	1-5/8	8	3-1/2	6	8	#10	3	#10	6140	
HD0/S1610	S/B1.68/10	12	1-5/8	10	3-1/2	6	8	#10	3	#10	6140	
HD0/S1612	S/B1.68/12	12	1-5/8	12	3-1/2	6	8	#10	3	#10	6140	
HD0/S2006	S/B2.06/6	12	2	6	3-1/2	6	8	#10	3	#10	6140	
HD0/S2008	S/B2.06/8	12	2	8	3-1/2	6	8	#10	3	#10	6140	
HD0/S2010	S/B2.06/10	12	2	10	3-1/2	6	8	#10	3	#10	6140	
HD0/S2012	S/B2.06/12	12	2	12	3-1/2	6	8	#10	3	#10	6140	
HD0/S4006	S/B4.06/6	12	4	6	3-1/2	6	8	#10	3	#10	6140	
HD0/S4008	S/B4.06/8	12	4	8	3-1/2	6	8	#10	3	#10	6140	
HD0/S4010	S/B4.06/10	12	4	10	3-1/2	6	8	#10	3	#10	6140	
HD0/S4012	S/B4.06/12	12	4	12	3-1/2	6	8	#10	3	#10	6140	

1) Testing of HDOL/S and HD0/S hangers was performed with framing members with minimum steel yield strengths of Fy=50 ksi.
 2) Qualified designer shall design connection to ensure the header is designed to carry the load and that the joist member is sufficient to transfer load to hanger.
 3) Allowable loads based on testing with 68mil (14ga) CFS members for the HDOL/S hanger and 97mil (12ga) CFS members for the HD0/S hanger.
 4) #10 designates ASTM C1513 compliant self-tapping screws that are 0.190" dia. with a minimum 0.340" diameter head and must fully penetrate all CFS steel members.