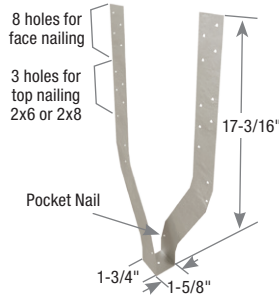


# MSSH Severely Skewed Hanger

## Installation Instructions

MiTek's MSSH217 hanger accommodates a skew range of 60° to 85° (30° maximum off the girder) without the need for a more expensive custom design hanger. Face nail to webs or bend the flange strap over the chord. Available in left (L) or right (R) configurations.

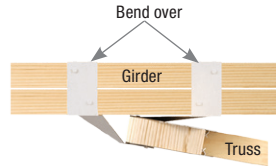
- Select the correct (right or left) hanger so that the strap on the outside of the angle will pass the end of the truss. When facing the hanger, the strap in the rear turns in the direction of the skew. The front strap turns to pass behind the end of the carried member. Fasten the MSSH217 hanger at the end of the truss with a single 10d (0.148") x 1-1/2" nail into the side flange or bottom.
- Place the truss in position against the girder. Push the outside strap past the end of the truss to the girder web and face nail through the top 8 holes with 10d (0.148") x 1-1/2" nails for a 1-ply girder, or 10d (0.148" x 3") common nails for multiple-ply girders.
- The strap inside the angle can be formed over diagonal webs (if design allows) or bend over the girder chord. Use two nails each into the top and/or back side of the girder.
- If the outside strap does not contact a web, bend the strap tightly over the girder chord. Use two nails into the top and/or back side of the girder.
- For uplift resistance, other means of attachment are required. If both the truss and girder have vertical webs, attach a scab to pack out the girder web nearly flush with the truss web and use a field adjustable MP Framing Angle across the two. A top chord connection for uplift requires a flat LSTA Strap Tie wrapped under the girder and over the truss chord.



**MSSH217R**  
Right shown



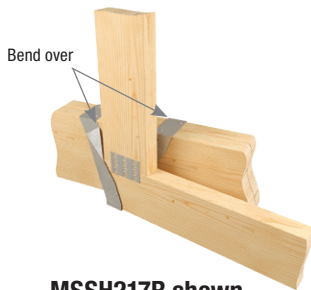
**MSSH217R**  
Right shown  
attached to webs



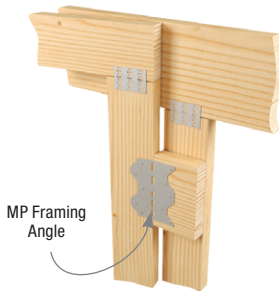
Top view right shown



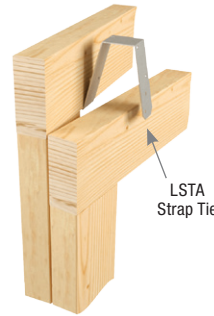
**MSSH217L**  
Left shown  
attached to web and top of chord



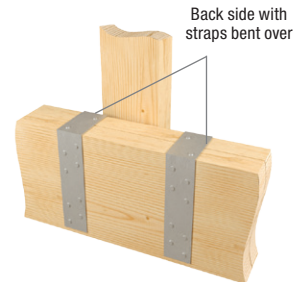
**MSSH217R shown**  
bent over bottom chord



Additional strapping  
for high uplift



Additional strapping  
for high uplift



Back view shown

MiTek USP Stock No.	Ref. No.	Steel Gauge	Fastener Schedule <sup>2,3,5</sup>							Girder Truss	DF/SP Allowable Loads (Lbs.) <sup>1</sup>			S-P-F Allowable Loads (Lbs.) <sup>1</sup>		
			Mounting Condition	Supporting Member		Supported Member <sup>4</sup>			Floor		Roof		Floor	Roof		
				Qty	Type	Qty	Type	Qty	Type		100%	115%	125%	100%	115%	125%
			MSSH217L/R	--	18	face-max	--	--	16		10d	1	10d x 1-1/2"	1 Ply	1755	1770
			top-min	4	10d	6	10d	1	10d x 1-1/2"	1 Ply	1735	1735	1735	1140	1155	1165

1) No uplift value with this hanger. Use other hardware or nailing higher on supported member to counteract uplift.  
 2) One or both straps may be bent over bottom chord of girder with top or backside nailing.  
 3) Maintain minimum 3/4" edge distance when installing nails.  
 4) The supported member shall be supported by blocking or other means to prevent rotation.  
 5) **NAILS:** 10d x 1-1/2" nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long.  
**Note: The 3 lower holes on each strap are for top nailing when strap is bent. These holes are not for face nailing.**

### Customer Service & Technical Assistance

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