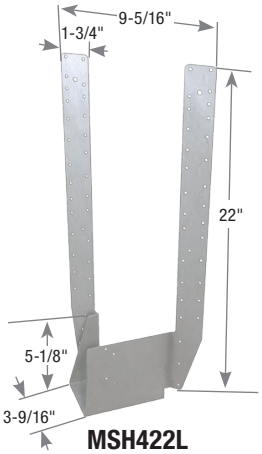
Skewed Truss Hangers
MSH422L/R

The MSH422L/R strap hanger is sized to fit floor trusses with a 4x2 bottom chord and can also be used to support a 2-Ply 1-3/4" LVL. With multiple installation options, this versatile hanger for 45-degree skewed connections can be installed on a supporting girder truss as well as solid-sawn and structural composite lumber headers.

Materials: 16 gauge
Finish: G90 galvanizing

Installation:
- Install the required number of fasteners according to the load table.
- Install fasteners into the carrying members at the locations described below based on the proper "Mounting Condition".
- Hanger is factory skewed at 45° left or right.



MSH422L
Left Shown

MSH422R
Right Shown

CONNECTION TO CARRYING MEMBER
Mounting Condition

Face-Max

The bottom six (6) fastener holes (three on each side of the bucket) must be filled. Install eight additional fasteners (four (4) in each strap) where applicable. Min. 2x6 bottom chord required.

Typical MSH422R face-max installation

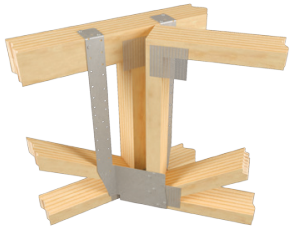
Top-Max

The straps must be field-bent over the header a minimum of 2" to allow four (4) top flange nail holes to be filled (two in each strap). The bottom six (6) fastener holes (three on each side of the bucket) must be filled. Min. 2x6 bottom chord required.

Typical MSH422R top-max installation

Top-Min

The straps must be field bent over the header a minimum of 2" to allow four (4) top flange nail holes to be filled (two in each strap). Also install the two (2) uppermost face nails (one on each strap) near the top of the header.


Typical MSH422R top-min installation

Combination Face-Max/Top-Max

Follow the Face-Max installation for one side of the connector and the Top-Max installation for the opposite side of the connector. The Face-Max factored resistances apply to this type of installation. Min. 2x6 bottom chord required.

Typical MSH422R combination installation

CONNECTION TO CARRIED MEMBER
All Mounting Conditions

Install six (6) 10d nails into the carried member. (For Floor Trusses, install four (4) nails into end vertical and two (2) nails into bottom chord.)

Joist Material & Width	USP Stock No.	Ref. No.	Ga.	Mounting Condition	Fastener Schedule[2] Header Top Qty	Header Face Qty	Header Type	Joist Qty	Joist Type	Unit	DF Factored Resistance Vertical 100%	DF Factored Resistance Uplift[1] 115%	S-P-F Factored Resistance Vertical 100%	S-P-F Factored Resistance Uplift[1] 115%	Ctn Qty
3-1/2" LVL or Floor Trusses	MSH422L/R	THAL/R422	16	face-max	--	14	10d	6	10d	Lbs	2630	995	2065	780	12
										kN	11.70	4.43	9.19	3.47	
				top-max	4	6	10d	6	10d	Lbs	2605	995	2045	780	
										kN	11.59	4.43	9.10	3.47	
				top-min	4	2	10d	6	10d	Lbs	2290	--	1800	--	
										kN	10.19	--	8.01	--	
				combination	2	10	10d	6	10d	Lbs	2630	995	2065	780	
										kN	11.70	4.43	9.19	3.47	

1) Factored uplift resistances have been increased 15% for short-term loads such as wind and earthquake; reduce for other load durations in accordance with the code.

2) **NAILS:** 10d nails are 0.148" dia. x 3" long.

Updated product information is designated in **blue font.**

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