

The LSS series is ideal for connecting rafters to ridge and hip beams in vaulted roof structures. This series is field adjustable to meet a variety of skew and/or slope applications. Slopes and skews 0° to 45°.

Materials: 18 gauge

Finish: G-185 galvanizing

Codes: IBC, FL, LA

Installation:

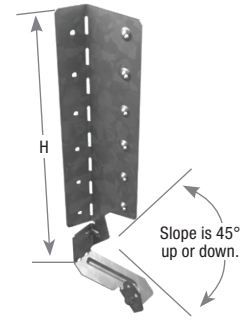
- Use all specified fasteners. Hot-dip galvanized fasteners are required for exterior applications.
- Toe-nailing the rafter into place for temporary support may help with installation.
- LSS is available in left and right versions. Illustrations show left and right skews.
(LSS_L = skewed left; LSS_R = skewed right)

Steps:

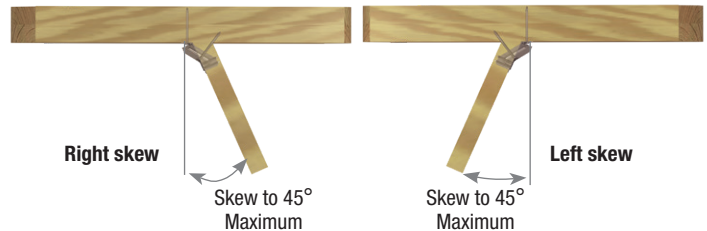
1. Bend the back flange of the LSS to match the skew angle of the rafter.
2. Position the LSS against the rafter and bend the seat (bottom) of the LSS to match the slope of the rafter.
3. With the LSS held tight to the side and bottom of the rafter, install the prescribed nails into the ridge or hip beam first.
4. Install the prescribed nails thru the dimple nail holes into the rafter second.
5. Install the prescribed nails thru the seat into the rafter last.



Typical LSS210L-TZ installation
left skew



LSS210R-TZ
right skew



Joist Size	MiTek Stock No.	Dimensions (in)	Fastener Schedule ^{4,5}				DF/SP Allowable Loads (Lbs.) ^{1,2}				S-P-F Allowable Loads (Lbs.) ^{1,2}			
			Header		Joist		Download		Uplift		Download		Uplift	
		H	Qty	Type	Qty	Type ³	100%	115%	125%	160%	100%	115%	125%	160%
		2 x 6-8	LSS26L-TZ LSS26R-TZ	5-3/8	4	10d x 1-1/2	6	10d x 1-1/2	480	520	520	520	420	430
			4	10d	6	10d	870	1000	1110	1110	765	875	970	920
2 x 8-10	LSS28L-TZ LSS28R-TZ	7-1/8	5	10d x 1-1/2	7	10d x 1-1/2	600	685	740	740	525	600	645	615
			5	10d	7	10d	1090	1250	1385	1385	955	1095	1215	1150
2 x 10-14	LSS210L-TZ LSS210R-TZ	9-1/8	6	10d x 1-1/2	8	10d x 1-1/2	720	820	885	885	630	720	775	740
			6	10d	8	10d	1310	1495	1600	1600	1145	1315	1335	1335

- 1) Allowable loads apply to hangers skewed 0°-45° from perpendicular with the hanger bucket sloped 0°-45° down from horizontal.
- 2) Uplift loads are increased 60% for wind or seismic loads; no further increase shall be permitted.
- 3) 10d x 1-1/2 nails may be substituted for 10d common nails in the two lowermost joist bucket nail holes for all installations with no reduction in allowable loads.
- 4) For exterior applications, hot-dip galvanized (HDG) fasteners must be used.
- 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.