



This product is preferable to similar connectors because of a) easier installation, b) higher loads, c) lower installed cost, or a combination of these features.

Standardized 45° skewed hangers, angled slots direct nails to allow proper installation.

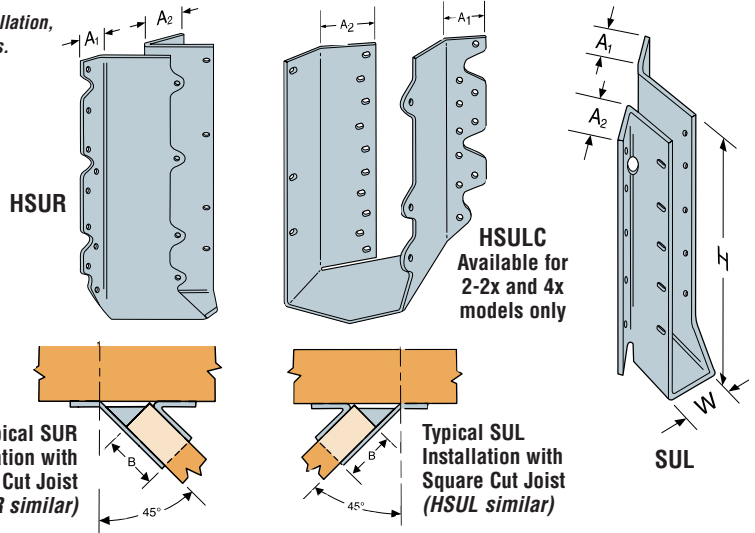
MATERIAL: SUR and SUL—16 gauge;
HSUR and HSUL—14 gauge

FINISH: Galvanized. Some products available in Z-MAX; see Corrosion-Resistance, page 5.

INSTALLATION: • Use all specified fasteners. See General Notes.
• These hangers will normally accommodate a 40° to 50° skew.
• **Illustration shows left and right skews SUR/L (SUR=skewed right; SUL=skewed left).**
• The joist end may be square cut or bevel cut.

OPTIONS: • Available with the A2 flange turned in on the 2-2x and 4x models only (see illustration).
• To order, add "C" (for concealed) to the product name.
• For example, specify HSURC46, HSULC46, SURC46, or SULC46.

CODES: See page 10 for Code Listing Key Chart.



Joist Size	Model No.	Dimensions					Fasteners		Down Avg Ult	DF/SP Species Header Allowable Loads					SPF Species Header Allowable Loads					Code Ref.	
		W	H	B	A ₁	A ₂	Face	Joist		Uplift (133)	Uplift (160)	Floor (100)	Roof		Uplift (133)	Uplift (160)	Floor (100)	Roof			
													Snow (115)	Const (125)				Snow (115)	Const (125)		
2x4	SUR/L24	1 ¹ / ₁₆	3 ¹ / ₂	2	1 ¹ / ₈	1 ¹ / ₄	4-16d	4-10dx1 ¹ / ₂	2816	450	450	530	610	665	415	450	460	530	575	26, 83, 140	
2x6, 8	SUR/L26	1 ¹ / ₁₆	5	2	1 ¹ / ₈	1 ¹ / ₂	6-16d	6-10dx1 ¹ / ₂	4067	720	765	800	960	1000	625	750	690	795	860		
2x10, 12	SUR/L210	1 ¹ / ₁₆	8 ¹ / ₈	2	1 ¹ / ₈	1 ¹ / ₂	10-16d	10-10dx1 ¹ / ₂	8717	1200	1250	1330	1530	1660	1040	1250	1150	1320	1440		
2x14	SUR/L214	1 ¹ / ₁₆	10	2	1 ¹ / ₈	1 ¹ / ₂	12-16d	12-10dx1 ¹ / ₂	8717	1440	1730	1595	1835	1995	1250	1500	1380	1585	1725		
3x10, 12	SUR/L310	2 ¹ / ₁₆	8 ¹⁵ / ₁₆	2 ⁵ / ₈	1 ¹ / ₂	2	14-16d	6-10dx1 ¹ / ₂	7558	720	765	1860	2140	2330	625	750	1610	1785	1785		
3x14	SUR/L314	2 ¹ / ₁₆	13	2 ⁵ / ₈	1 ¹ / ₂	2	18-16d	8-10dx1 ¹ / ₂	7833	960	1150	2395	2500	2500	830	1000	1795	1795	1795		
(2) 2x6, 8	SUR/L26-2	3 ¹ / ₈	4 ¹⁵ / ₁₆	2 ⁵ / ₈	1 ¹ / ₄	2 ¹ / ₁₆	8-16d	4-16dx2 ¹ / ₂	4367	710	815	1065	1225	1330	615	735	920	1005	1005		33, 83
(2) 2x6, 8	HSUR/L26-2	3 ¹ / ₈	4 ¹⁵ / ₁₆	2 ⁷ / ₁₆	1 ¹ / ₄	2 ¹ / ₁₆	12-16d	4-16dx2 ¹ / ₂	6317	715	815	1610	1850	2000	620	740	1390	1600	1740		
(2) 2x10, 12	SUR/L210-2	3 ¹ / ₈	8 ¹¹ / ₁₆	2 ⁵ / ₈	1 ¹ / ₄	2 ¹ / ₁₆	14-16d	6-16dx2 ¹ / ₂	7558	1065	1275	1860	2140	2330	920	1105	1610	1850	2010		26, 83, 140
(2) 2x10, 12	HSUR/L210-2	3 ¹ / ₈	8 ¹¹ / ₁₆	2 ⁷ / ₁₆	1 ¹ / ₄	2 ¹ / ₁₆	20-16d	6-16dx2 ¹ / ₂	12333	1070	1285	2680	3080	3350	930	1115	2320	2670	2900		33, 83
(2) 2x14	SUR/L214-2	3 ¹ / ₈	12 ¹ / ₁₆	2 ⁷ / ₁₆	1 ¹ / ₄	2 ¹ / ₁₆	18-16d	8-16dx2 ¹ / ₂	7833	1430	1700	2395	2500	2500	1225	1470	1795	1795	1795	26, 83, 140	
(2) 2x14	HSUR/L214-2	3 ¹ / ₈	12 ¹ / ₁₆	2 ⁷ / ₁₆	1 ¹ / ₄	2 ¹ / ₁₆	26-16d	8-16dx2 ¹ / ₂	15167	1430	1715	3485	4005	4355	1235	1485	3015	3470	3770	33, 83	
4x6, 8	SUR/L46	3 ¹ / ₁₆	4 ³ / ₄	2 ⁷ / ₁₆	1	2 ¹ / ₁₆	8-16d	4-16d	4367	710	815	1065	1225	1330	615	735	920	1005	1005	26, 83, 140	
4x6, 8	HSUR/L46	3 ¹ / ₁₆	4 ³ / ₄	2 ⁷ / ₁₆	1	2 ¹ / ₁₆	12-16d	4-16d	6317	715	815	1610	1850	2000	620	740	1390	1600	1740	33, 83	
4x10, 12	SUR/L410	3 ¹ / ₁₆	8 ¹ / ₂	2 ⁷ / ₁₆	1	2 ¹ / ₁₆	14-16d	6-16d	7558	1065	1275	1860	2140	2330	920	1105	1610	1850	2010	26, 83, 140	
4x10, 12	HSUR/L410	3 ¹ / ₁₆	8 ¹ / ₂	2 ⁷ / ₁₆	1	2 ¹ / ₁₆	20-16d	6-16d	12333	1070	1285	2680	3080	3350	930	1115	2320	2670	2900	33, 83	
4x14	SUR/L414	3 ¹ / ₁₆	12 ¹ / ₂	2 ⁷ / ₁₆	1	2 ¹ / ₁₆	18-16d	8-16d	7833	1420	1700	2395	2500	2500	1225	1470	1795	1795	1795	26, 83, 140	
4x14	HSUR/L414	3 ¹ / ₁₆	12 ¹ / ₂	2 ⁷ / ₁₆	1	2 ¹ / ₁₆	26-16d	8-16d	15167	1430	1715	3485	4005	4355	1235	1485	3015	3470	3770	33, 83	

1. Uplift loads have been increased by 33% and 60% for earthquake or wind loading with no further increase allowed; reduce where other loads govern.

2. Roof loads are 125% of floor loads unless limited by other criteria.

MSC MULTIPLE SEAT CONNECTOR

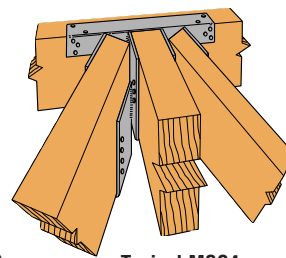
INSTALLATION: • Distribute the total load evenly about the centerline to avoid eccentric loading.

- Fasten all built-up members together as one unit.
- **Net height will be calculated based on specified valley member depth and slope by the factory unless noted otherwise.**

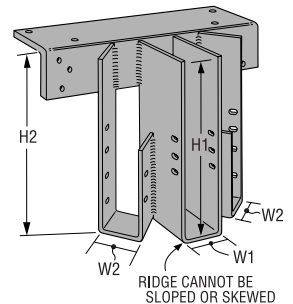
SLOPED AND/OR SKEWED VALLEYS

- The valley stirrups can be sloped and skewed to 45°.
- The total design load of the hanger is split between the ridge (20%) and each valley (40%).
- For two valley connections with no ridge member, divide the total load by two for each valley load.

CODES: See page 10 for Code Listing Key Chart.



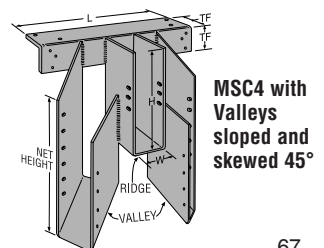
Typical MSC4 Installation



MSC1.81 with Valleys skewed 45°, and sloped 0°

Model No.	Dimensions				Fasteners		Hips		Down Avg Ult	Allowable Loads (100 & 125)			Code Ref.
	W	H (Min)	TF	L	Header	Joist	Max. Skew	Max. Slope		Valley	Ridge	Total	
MSC2	1 ¹ / ₁₆	5 ¹ / ₂	2 ⁷ / ₈	12	10-16d	18-10dx1 ¹ / ₂	45°	0°	2535	1265	6335	6, 39	
						26-10dx1 ¹ / ₂		45°	2010	1005	5025		
MSC1.81	1 ³ / ₁₆	5 ¹ / ₂	2 ⁷ / ₈	12	10-16d	18-10dx1 ¹ / ₂	45°	0°	2535	1265	6335		
						26-10dx1 ¹ / ₂		45°	2010	1005	5025		
MSC4	3 ¹ / ₁₆	7 ¹ / ₂	2 ⁷ / ₈	18	10-16d	18-10d	45°	0°	3335	1665	8335	170	
						26-10d		45°	3335	1665	8335		
MSC5	5 ¹ / ₄	9 ¹ / ₂	2 ⁷ / ₈	26	13-16d	18-16d	45°	0°	6450	3220	16120	170	
						26-16d		45°	5340	2675	13355		

1. Valley loads are for each valley.
2. Other valley-ridge load distributions are allowed provided the sum of all three carried members is distributed symmetrically about the center of the hanger and combined do not exceed the total load.
3. MSC4 is also available in 3¹/₈" Glulam width.
4. MSC5 is also available in widths up to 5¹/₂".



MSC4 with Valleys sloped and skewed 45°