

SUR/SUL/HSUR/HSUL Skewed 45° Hangers



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.

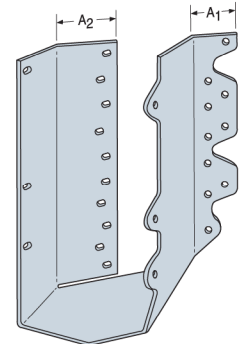
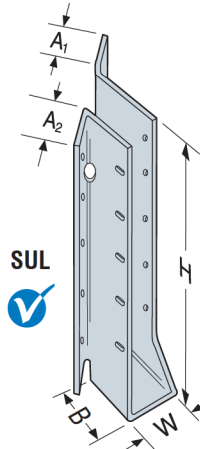
The SU and HSU series of hangers are skewed 45° left or right. Angled nail slots direct nails for proper installation.

MATERIAL: SUR and SUL—16 gauge; HSUR and HSUL—14 gauge
FINISH: Galvanized. Some products available in ZMAX® coating; see Corrosion Information, pages 13-15.

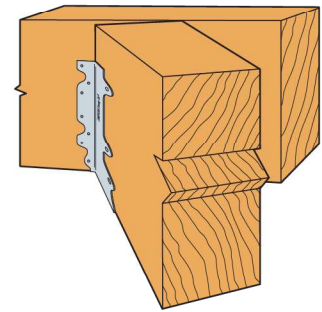
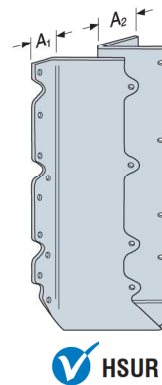
INSTALLATION: • Use all specified fasteners. See General Notes.
• These hangers will normally accommodate a 40° to 50° skew.
• Illustration shows left and right skews SUR/L (SUR=skewed right; SUL=skewed left).
• The joist end may be square cut or bevel cut.
• For installations to concrete/masonry walls, see page 175.

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.

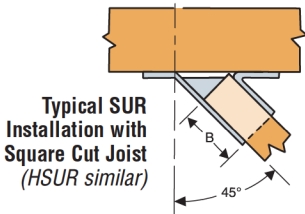
CODES: See page 12 for Code Reference Key Chart.



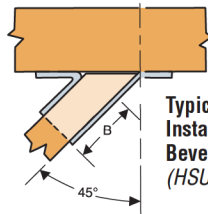
HSULC
Available for 2-2x and 4x models only



Typical SUR410 Installation



Typical SUR Installation with Square Cut Joist (HSUR similar)



Typical SUL Installation with Bevel Cut Joist (HSUL similar)

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson Strong-Tie for details.

These products are approved for installation with the Strong-Drive® SD Connector screw. See page 27 for more information.

Joist Size	Model No.	Dimensions (in)					Fasteners		DF/SP Species Header Allowable Loads				SPF/HF Species Header Allowable Loads				Code Ref.
		W	H	B	A ₁	A ₂	Face	Joist	Uplift (160)	Floor (100)	Roof		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	450	575	655	705	385	495	560	605	17, F6, L17
2x6, 8	SUR/L26	1 ¹ / ₁₆	5	2	1 ¹ / ₈	1 ¹ / ₂	6-16d	6-10dx1 ¹ / ₂	765	865	980	1055	660	745	845	910	
2x10, 12	SUR/L210	1 ¹ / ₁₆	8 ¹ / ₈	2	1 ¹ / ₈	1 ¹ / ₂	10-16d	10-10dx1 ¹ / ₂	1250	1440	1635	1760	1075	1240	1405	1515	
2x14	SUR/L214	1 ¹ / ₁₆	10	2	1 ¹ / ₈	1 ¹ / ₂	12-16d	12-10dx1 ¹ / ₂	2165	1730	1960	2115	1860	1485	1685	1820	
3x10, 12	SUR/L2.56/9	2 ¹ / ₁₆	8 ¹ / ₁₆	3 ³ / ₁₆	1 ¹ / ₈	2 ¹ / ₈	14-16d	2-10dx1 ¹ / ₂	225	2015	2285	2465	195	1735	1965	2120	19, L17
3x14	SUR/L2.56/11	2 ¹ / ₁₆	11 ¹ / ₁₆	3 ³ / ₁₆	1 ¹ / ₈	2 ¹ / ₈	16-16d	2-10dx1 ¹ / ₂	225	2305	2615	2665	195	1980	2245	2290	
(2) 2x6, 8	SUR/L26-2	3 ¹ / ₁₆	4 ¹ / ₁₆	2 ⁵ / ₁₆	1 ¹ / ₁₆	2 ³ / ₁₆	8-16d	4-16dx2 ¹ / ₂	815	1150	1305	1400	700	990	1005	1005	
(2) 2x6, 8	HSUR/L26-2	3 ¹ / ₁₆	4 ¹ / ₁₆	2 ⁷ / ₁₆	1 ¹ / ₄	2 ³ / ₁₆	12-16d	4-16dx2 ¹ / ₂	815	1785	2000	2000	700	1540	1720	1720	
(2) 2x10, 12	SUR/L210-2	3 ¹ / ₁₆	8 ¹ / ₁₆	2 ⁵ / ₁₆	1 ¹ / ₁₆	2 ³ / ₁₆	14-16d	6-16dx2 ¹ / ₂	1300	2015	2285	2465	1120	1735	1780	1780	17, F6, L17
(2) 2x10, 12	HSUR/L210-2	3 ¹ / ₁₆	8 ¹ / ₁₆	2 ⁷ / ₁₆	1 ¹ / ₄	2 ³ / ₁₆	20-16d	6-16dx2 ¹ / ₂	1300	2975	3360	3610	1120	2565	2895	3110	
(2) 2x14	HSUR/L214-2	3 ¹ / ₁₆	12 ¹ / ₁₆	2 ⁷ / ₁₆	1 ¹ / ₄	2 ³ / ₁₆	26-16d	8-16dx2 ¹ / ₂	1795	3870	4365	4695	1550	3330	3760	4045	
4x6, 8	SUR/L46	3 ¹ / ₁₆	4 ³ / ₄	2 ⁵ / ₁₆	1	2 ³ / ₁₆	8-16d	4-16d	815	1150	1305	1400	700	990	1005	1005	L17
4x6, 8	HSUR/L46	3 ¹ / ₁₆	4 ³ / ₄	2 ⁷ / ₁₆	1	2 ³ / ₁₆	12-16d	4-16d	815	1785	2000	2000	700	1540	1720	1720	17, F6, L12, L17
4x10, 12	SUR/L410	3 ¹ / ₁₆	8 ¹ / ₂	2 ⁵ / ₁₆	1	2 ³ / ₁₆	14-16d	6-16d	1300	2015	2285	2465	1120	1735	1780	1780	19, F8, L12
4x10, 12	HSUR/L410	3 ¹ / ₁₆	8 ¹ / ₂	2 ⁷ / ₁₆	1	2 ³ / ₁₆	20-16d	6-16d	1300	2975	3360	3610	1120	2565	2895	3110	17, F6, L17
4x14	SUR/L414	3 ¹ / ₁₆	12 ¹ / ₂	2 ⁵ / ₁₆	1	2 ³ / ₁₆	18-16d	8-16d	1765	2500	2500	2500	1520	1795	1795	1795	
4x14	HSUR/L414	3 ¹ / ₁₆	12 ¹ / ₂	2 ⁷ / ₁₆	1	2 ³ / ₁₆	26-16d	8-16d	1795	3870	4365	4695	1550	3330	3760	4045	17, F6, L12, L17

1. Uplift loads have been increased for wind or earthquake loading with no further increase allowed; reduce where other loads govern.
2. Roof loads are 125% of floor loads unless limited by other criteria.
3. Truss chord cross-grain tension may limit allowable loads in accordance with ANSI/TPI 1-2007. Simpson Strong-Tie® Connector Selector™ Software includes the evaluation of cross-grain tension in its hanger allowable loads. For additional information, contact Simpson Strong-Tie.
4. **NAILS:** 16d = 0.162" dia. x 3¹/₂" long, 16dx2¹/₂ = 0.162" dia. x 2¹/₂" long, 10dx1¹/₂ = 0.148" dia. x 1¹/₂" long. See pages 22-23 for other nail sizes and information.