

**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

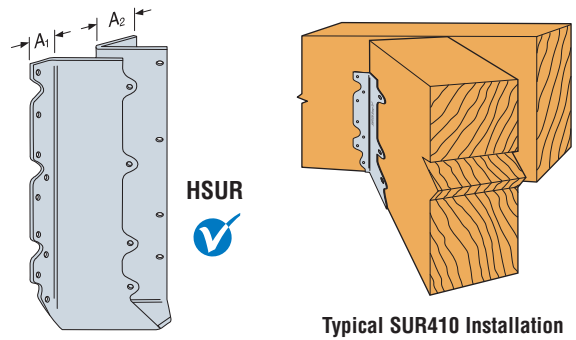
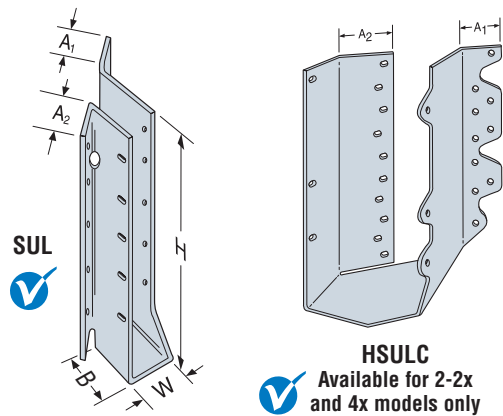
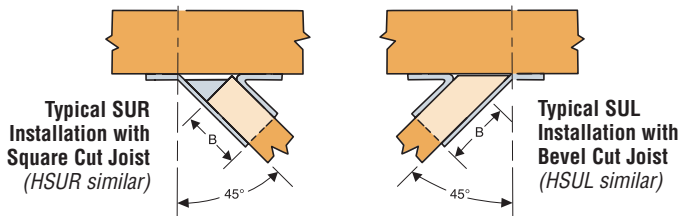
**FINISH:** Galvanized. Some products available in ZMAX® coating; see Corrosion Information, page 10-11.

**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.



Solid Sawn Lumber Connectors

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.

Joist Size	Model No.	Dimensions (in)					Fasteners		Factored Resistance			
		W	H	B	A <sub>1</sub>	A <sub>2</sub>	Face	Joist	D.Fir-L		S-P-F	
									Uplift	Normal	Uplift	Normal
									(K <sub>D</sub> =1.15)	(K <sub>D</sub> =1.00)	(K <sub>D</sub> =1.15)	(K <sub>D</sub> =1.00)
lbs	lbs	lbs	lbs									
kN	kN	kN	kN									
2x4	SUR/L24	1 <sup>9</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>2</sub>	2	1 <sup>1</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>4</sub>	4-16d	4-10dx1 <sup>1</sup> / <sub>2</sub>	850	1210	600	855
									3.79	5.39	2.67	3.81
2x6, 8	SUR/L26	1 <sup>9</sup> / <sub>16</sub>	5	2	1 <sup>1</sup> / <sub>8</sub>	1 <sup>5</sup> / <sub>16</sub>	6-16d	6-10dx1 <sup>1</sup> / <sub>2</sub>	1255	2130	890	1505
									5.59	9.49	3.96	6.70
2x10, 12	SUR/L210	1 <sup>9</sup> / <sub>16</sub>	8 <sup>1</sup> / <sub>8</sub>	2	1 <sup>1</sup> / <sub>8</sub>	1 <sup>5</sup> / <sub>16</sub>	10-16d	10-10dx1 <sup>1</sup> / <sub>2</sub>	2355	3820	1665	2700
									10.49	17.02	7.42	12.03
2x14	SUR/L214	1 <sup>9</sup> / <sub>16</sub>	10	2	1 <sup>1</sup> / <sub>8</sub>	1 <sup>5</sup> / <sub>16</sub>	12-16d	12-10dx1 <sup>1</sup> / <sub>2</sub>	3260	4585	2330	3240
									14.52	20.42	10.38	14.43
3x10, 12	SUR/L2.56/9	2 <sup>9</sup> / <sub>16</sub>	8 <sup>1</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>8</sub>	14-16d	2-10dx1 <sup>1</sup> / <sub>2</sub>	385	3945	385	2780
									1.71	17.55	1.71	12.37
(2) 2x6, 8	SUR/L26-2	3 <sup>1</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>16</sub>	2 <sup>5</sup> / <sub>8</sub>	1 <sup>7</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>8</sub>	8-16d	4-16dx2 <sup>1</sup> / <sub>2</sub>	1320	2035	930	1435
									5.88	9.06	4.14	6.39
(2) 2x6, 8	HSUR/L26-2	3 <sup>1</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>4</sub>	2 <sup>3</sup> / <sub>16</sub>	12-16d	4-16dx2 <sup>1</sup> / <sub>2</sub>	1320	2750	930	1945
									5.88	12.25	4.14	8.66
(2) 2x10, 12	SUR/L210-2	3 <sup>1</sup> / <sub>8</sub>	8 <sup>1</sup> / <sub>16</sub>	2 <sup>5</sup> / <sub>8</sub>	1 <sup>7</sup> / <sub>16</sub>	2 <sup>3</sup> / <sub>8</sub>	14-16d	6-16dx2 <sup>1</sup> / <sub>2</sub>	1975	4065	1395	2875
									8.80	18.11	6.21	12.81
(2) 2x10, 12	HSUR/L210-2	3 <sup>1</sup> / <sub>8</sub>	8 <sup>1</sup> / <sub>16</sub>	2 <sup>7</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>4</sub>	2 <sup>3</sup> / <sub>16</sub>	20-16d	6-16dx2 <sup>1</sup> / <sub>2</sub>	1975	5270	1395	3730
									8.80	23.47	6.21	16.61
4x6, 8	SUR/L46	3 <sup>9</sup> / <sub>16</sub>	4 <sup>3</sup> / <sub>4</sub>	2 <sup>5</sup> / <sub>8</sub>	1	2 <sup>3</sup> / <sub>8</sub>	8-16d	4-16d	1320	2035	930	1435
									5.88	9.06	4.14	6.39
4x6, 8	HSUR/L46	3 <sup>9</sup> / <sub>16</sub>	4 <sup>3</sup> / <sub>4</sub>	2 <sup>7</sup> / <sub>16</sub>	1	2 <sup>3</sup> / <sub>16</sub>	12-16d	4-16d	1320	2750	930	1945
									5.88	12.25	4.14	8.66
4x10, 12	SUR/L410	3 <sup>9</sup> / <sub>16</sub>	8 <sup>1</sup> / <sub>2</sub>	2 <sup>7</sup> / <sub>16</sub>	1	2 <sup>3</sup> / <sub>16</sub>	14-16d	6-16d	1975	4065	1395	2875
									8.80	18.11	6.21	12.81
4x10, 12	HSUR/L410	3 <sup>9</sup> / <sub>16</sub>	8 <sup>1</sup> / <sub>2</sub>	2 <sup>7</sup> / <sub>16</sub>	1	2 <sup>3</sup> / <sub>16</sub>	20-16d	6-16d	1975	5270	1395	3730
									8.80	23.47	6.21	16.61

1. Factored uplift resistances have been increased by 15% for earthquake or wind loading with no further increase allowed; reduce for other load durations as required by code.  
2. **NAILS:** 16d = 0.162" dia. x 3<sup>1</sup>/<sub>2</sub>" long, 16dx2<sup>1</sup>/<sub>2</sub> = 0.162" dia. x 2<sup>1</sup>/<sub>2</sub>" long, 10dx1<sup>1</sup>/<sub>2</sub> = 0.148" dia. x 1<sup>1</sup>/<sub>2</sub>" long. See page 16-17 for other nail sizes and information.