

# WP/HWP/HWPH

## Purlin Top-Flange Hangers

The WP, HWP and HWPH series purlin hangers offer the greatest design flexibility and versatility.

The HWP and HWPH high-wind purlin hangers have enhanced uplift. They are ideal for high-wind applications.

**Material:** (Top flange/stirrup): WP — 7/12 gauge; HWP — 7/12 gauge; HWPH — 3/7 gauge

**Finish:** Simpson Strong-Tie gray paint; hot-dip galvanized available: specify HDG, contact Simpson Strong-Tie

### Installation:

- Use all specified fasteners.
- H dimensions are sized to account for normal joist shrinkage. W dimensions are for dressed timber widths.
- WP/HWP/HWPH hangers may be welded to steel headers with a minimum 1 1/2"-long fillet weld on each side of the top flange to the header. Weld sizes: WP = 3/16", HWP = 3/16", HWPH = 1/4" (see p. 20, note k for weld information). Weld-on applications achieve maximum allowable download. Uplift loads do not apply to this application. For uplift loads, refer to technical bulletin T-C-WELDUPLFT at [strongtie.com](http://strongtie.com).
- Hangers can support multi-ply carried members; the individual members must be secured together to work as a single unit before installation into the hanger.
- If joist is shorter than hanger by more than 1/2", then use only 50% of the table loads.

### Options:

- See Hanger Options General Notes on p. 101.
- Refer to technical bulletin T-C-SLOPEJST at [strongtie.com](http://strongtie.com) for information regarding load reductions on selected hangers which can be used without modification to support joists which have shallow slopes ( $\leq 3/4:12$ ).
- Some model configurations may differ from those shown. Contact Simpson Strong-Tie for details. For special order WP hangers, see technical bulletin T-C-WP-WS at [strongtie.com](http://strongtie.com).
- WP models are available in Type A (bevel-cut) or Type B (square-cut) style. Contact Simpson Strong-Tie when ordering.
- HWP may have a sloped and/or skewed seat up to 45°. WP and HWPH may be sloped up to 45° and/or skewed up to 84°.
- Hangers with a skew greater than 15° may have all the joist nails on the outside angle.
- For skewed condition, top flange width can increase up to 18". Contact Simpson Strong-Tie for specific application.
- Specify the slope up or down in degrees from the horizontal plane and/or the skew right or left in degrees from the perpendicular vertical plane. Specify whether low side, high side or center of joist will be flush with the top of the header (see illustration).

### Ridge Hanger (only available for WP)

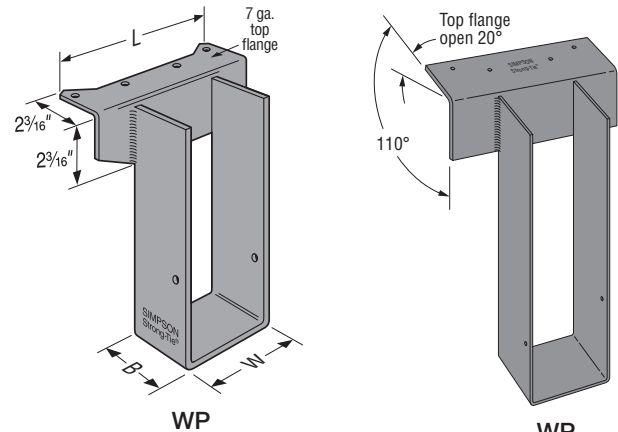
- Top flange may be sloped to a maximum of 35° to accommodate a ridge (see illustration). Specify angle of the slope. Reduce allowable load using straight-line interpolation. See Open/Closed example. Specify H/L/C flush when ordering sloped top flange.

### Saddle Hanger (WPD)

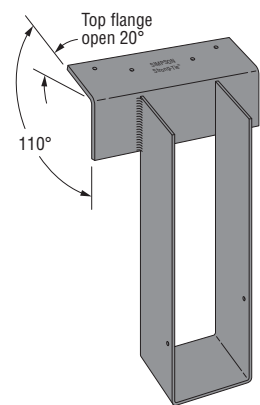
- WPD saddle hanger allowable loads are WP loads for each stirrup. Saddle hangers on stud walls do not achieve catalog loads.
- Recommended S dimension is 1/16" oversized for carrying members 2 1/2" wide and less or 1/8" oversized for greater than 2 1/2" wide.

**Codes:** See p. 13 for Code Reference Key Chart

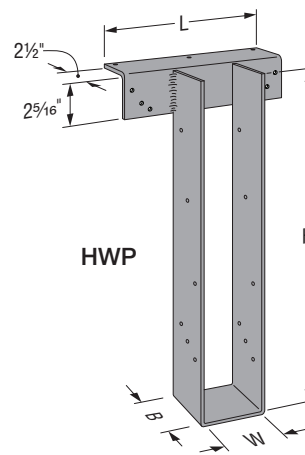
**Web Applications:** Visit [app.strongtie.com/hs](http://app.strongtie.com/hs) to access our Hanger Selector web application.



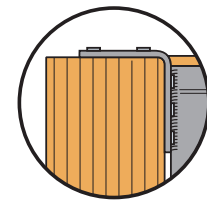
WP



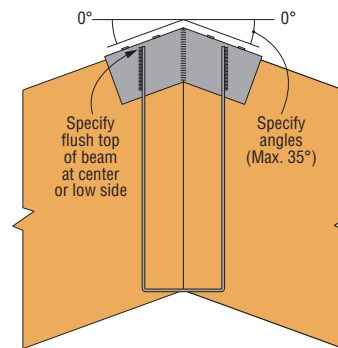
WP  
with Open  
Top Flange



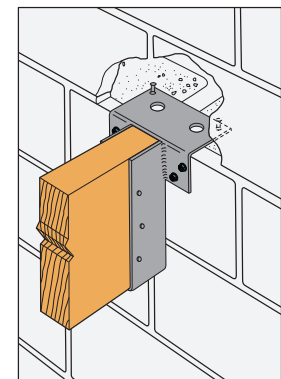
HWP



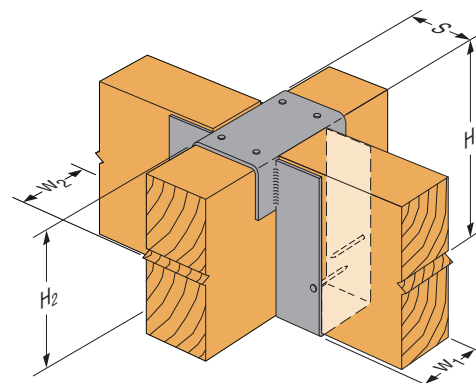
Eased Edge  
Flatten edge of  
header to match  
top flange radius.



WP Ridge Installation



WMU Mid-Wall Installation  
See pp. 250–251 for  
models and information

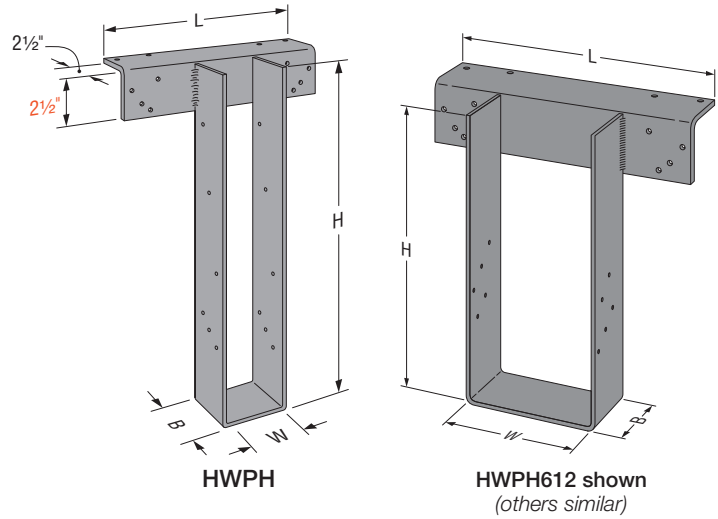


Typical WPD  
Saddle Hanger  
Installation

# WP/HWP/HWPH

## Purlin Top-Flange Hangers (cont.)

Model	Stirrup Width (W) (in.)	Stirrup Seat Depth (B) (in.)	Top Flange Length (L) (in.)
WP	1 <sup>9</sup> / <sub>16</sub> – 2 <sup>1</sup> / <sub>16</sub>	See load table	7
	2 <sup>1</sup> / <sub>16</sub> – 3 <sup>9</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	7
	3 <sup>1</sup> / <sub>16</sub> – 7 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	8
	7 <sup>3</sup> / <sub>16</sub> – 7 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	10
HWP	1 <sup>9</sup> / <sub>16</sub>	5	10
	1 <sup>13</sup> / <sub>16</sub>	4	10
	2 <sup>3</sup> / <sub>16</sub> – 5 <sup>3</sup> / <sub>16</sub>	3	10
	5 <sup>1</sup> / <sub>16</sub> – 7 <sup>1</sup> / <sub>16</sub>	3	12
HWPH	1 <sup>13</sup> / <sub>16</sub> – 2 <sup>1</sup> / <sub>2</sub>	See load table	10
	2 <sup>9</sup> / <sub>16</sub> – 2 <sup>3</sup> / <sub>4</sub>	4	10
	3 <sup>1</sup> / <sub>4</sub> – 3 <sup>9</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	10
	3 <sup>13</sup> / <sub>16</sub> – 6 <sup>3</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>4</sub>	12
	6 <sup>13</sup> / <sub>16</sub> – 7 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>4</sub>	14

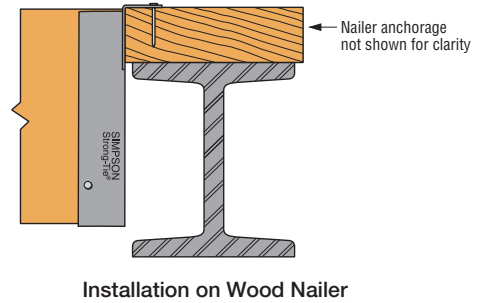


Solid Sawn Joist Hangers

### Nailer Table

The table indicates the maximum allowable loads for WP, HWP and HWPH hangers used on wood nailers. Nailers are wood members attached to the top of a steel beam, concrete or masonry wall.

Model	Nailer	Fasteners (in.)		Uplift <sup>1</sup> (160)	Allowable Down Loads		
		Header	Joist		DF/SP	SPF/HF	LSL
WP	2x	(4) 0.148 x 1 1/2	(2) 0.148 x 1 1/2	—	2,465	1,985	3,150
	(2) 2x	(4) 0.148 x 2 1/2	(2) 0.148 x 1 1/2	—	2,985	2,230	—
	3x or 4x	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	2,985	2,230	3,375
HWP	(2) 2x	(9) 0.148 x 3	(10) 0.148 x 1 1/2	710	4,415	3,860	4,415
	3x	(9) 0.162 x 2 1/2	(10) 0.148 x 1 1/2	970	4,415	3,860	—
	4x	(9) 0.162 x 2 1/2	(10) 0.148 x 1 1/2	1,535	4,920	3,860	4,920
HWPH	(2) 2x	(12) 0.162 x 2 1/2	(10) 0.148 x 1 1/2	710	5,910	4,820	5,910
	3x	(12) 0.162 x 2 1/2	(10) 0.148 x 1 1/2	970	5,970	5,125	—
	4x	(12) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,550	5,970	5,125	5,970



1. Attachment of nailer to supporting member is the responsibility of the designer.
2. Uplift loads are based on DF/SP lumber. For SPF/HF, use 0.86 x DF/SP uplift load.
3. **Fasteners:** Nail dimensions are listed diameter by length. See pp. 23–24 for fastener information.

### Various Header Applications

Model	Joist (in.)		Fasteners (in.)			Allowable Loads Header Type						Code Ref.	
	Width	Height	Top	Face	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF		I-Joist
WP	1 1/2 to 7 1/2	5% to 30	(4) 0.148 x 1 1/2	—	(2) 0.148 x 1 1/2	—	2,935	3,150	—	2,465	1,985	2,030	—
	2 1/2 to 7 1/2	5% to 30	(4) 0.148 x 2 1/2	—	(2) 0.148 x 1 1/2	—	2,935	3,150	3,150	2,985	2,230	—	IBC®, FL, LA
	3 1/2 to 7 1/2	5% to 30	(4) 0.162 x 2 1/2	—	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	—	
HWP	1 1/2 to 7	6 to 15%	(3) 0.162 x 3 1/2	(6) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,535	3,995	4,500	4,350	3,955	3,955	—	
	1 1/2 to 7	15% to 28	(3) 0.162 x 3 1/2	(6) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	1,570	3,995	4,500	4,350	3,955	3,955	—	
HWPH	1 <sup>9</sup> / <sub>16</sub> to 7 1/2	6 to 15%	(4) 0.162 x 3 1/2	(8) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,685	6,595	7,025	5,450	5,920	4,740	—	
	1 <sup>13</sup> / <sub>16</sub> to 7 1/2	15% to 32	(4) 0.162 x 3 1/2	(8) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	2,075	6,595	7,025	5,450	5,920	4,740	—	

1. Code values are based on DF/SP header species.
2. Uplift loads have been increased for wind or earthquake loading with no further increase allowed. Reduce where other loads govern.
3. For hanger heights exceeding the joist height, the allowable load is 0.50 of the table load.
4. **Fasteners:** Nail dimensions are listed diameter by length. See pp. 23–24 for fastener information.

# WP/HWP/HWPH

## Purlin Top-Flange Hangers (cont.)

### Modifications and Associated Load Reductions for WP/HWP/HWPH

Solid Sawn Joist Hangers

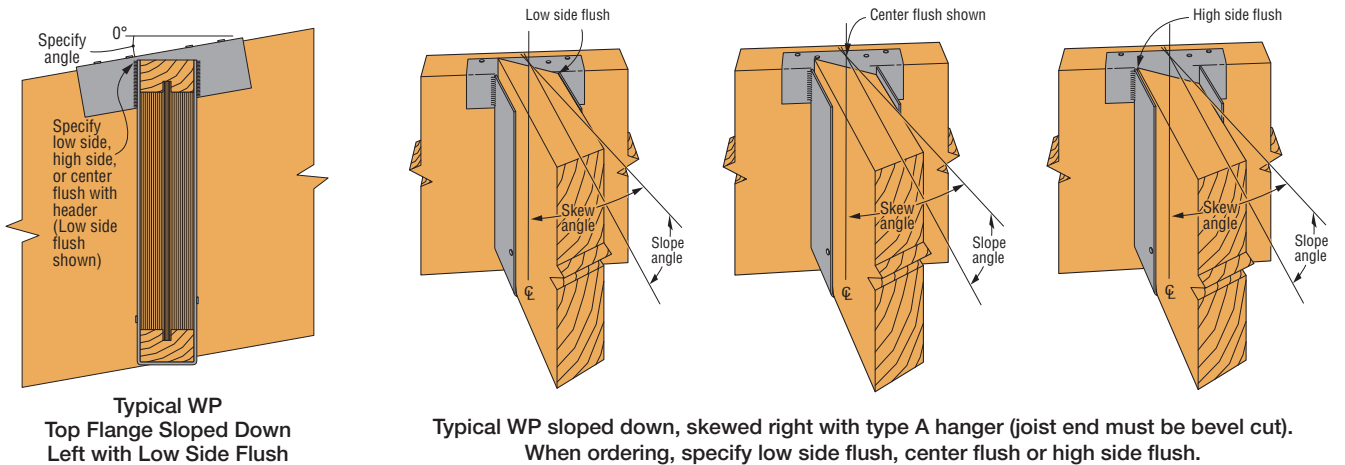
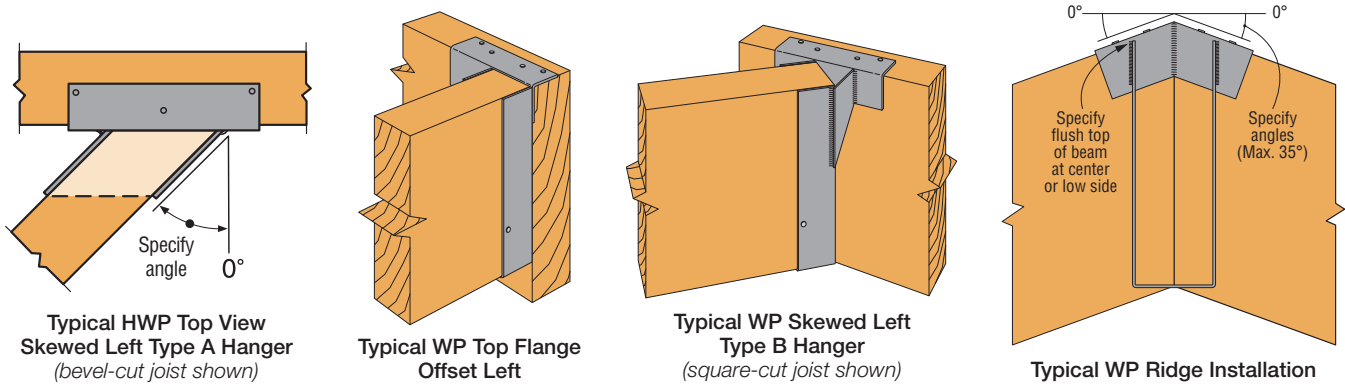
Models	Seat						Top Flange			Top Flange and Seat				Joist Height		
	Seat Sloped 45° Max.		Seat Skewed Type A	Seat Skewed Type B		Seat Sloped and Skewed Type A 1°–45°		Top Flange Sloped 35° Max.	Top Flange Bent Open or Closed 30° Max.	Top Flange Offset		Top Flange Offset and Skewed Seat Type A, Bevel Cut 1°–45°		Top Flange Offset and Skewed Seat Type B, Plumb Cut 1°–84°		Joist Shorter Than Hanger
	Slope Up	Slope Down	1°–45°	1°–45°	46°–84°	Up	Down			Narrow	Wide	Narrow	Wide	Narrow	Wide	
WP		1.0		1.0			1.0			0.5		0.5		0.25	0.3	
HWP	1.0	0.8	1.0	N/A		1.0	0.8	(90–a)/90	(90–a)/90	0.5	0.6	0.5	0.6	N/A		
HWPH				0.8	0.7									0.5		

1. For straight-line interpolation, "a" is the specified angle.
2. Reduction factors are not cumulative. Use the lowest factors that apply.
3. Narrow ≤ 3½", Wide > 3½".
4. HWP and HWPH options receive catalog uplift loads except: top flange offset 30% of the table load, skewed type A is 75% of the table load and HWPH only skewed type B is 50% of the table load.
5. Top flange bent closed is not available for HWP or HWPH.

### Reduction Factor Instructions

**Allowable Download** = (lowest of Seat, Top Flange, or Joist Height) × (Table Load). See pp. 136–140 for table loads.

**Allowable Uplift** = as noted in table per height, see table above.



# WP/HWP/HWPH

## High-Capacity Top-Flange Hangers

The WP, HWP and HWPH series are designed to support joists on wood purlins or beams.

The HWP and HWPH high-wind purlin hangers have enhanced uplift and are ideal for high-wind applications.

**Material:** (Top flange/stirrup): WP — 7/12 gauge; HWP — 7/12 gauge; HWPH — 3/7 gauge

**Finish:** Simpson Strong-Tie gray paint; HDG available

### Installation:

- Use all specified fasteners.
- The WP, HWP and HWPH may be used for weld-on applications. The minimum size weld is a 1 1/2" long fillet weld to each side of the top flange; weld size to match hanger material thickness. See p. 20, note k for weld information. Weld-on applications have the maximum allowable capacity listed. For WP, uplift loads do not apply to this application. For additional load information, refer to technical bulletin T-C-WELDUPLFT at [strongtie.com](http://strongtie.com).
- Non-modified hangers can support joists sloped up to 1/4:12 using table loads. For joists sloping between 1/4:12 and 3/4:12 use 85% of the table loads. See technical bulletin T-C-SLOPEJST at [strongtie.com](http://strongtie.com).
- Web stiffeners are required for these hangers.
- If joist is shorter than hanger by more than 1/2" use only 50% of the table loads.
- For attaching to multi-ply headers, refer to technical bulletin T-C-MPLYHEADR at [strongtie.com](http://strongtie.com).

### Options:

- HWP and HWPH may be sloped up to 45° and/or may have a sloped and/or skewed seat up to 45°. WP skewed up to 84°. See p. 179 for reduction associated with modifications.
- The top flange of the WP, HWP and HWPH may be offset and/or sloped down up to 35°. The top flange may also be opened/closed up to 30°. See p. 179 for reduction associated with modifications.
- All models are available in Type A (joist bevel cut up to 45°). See p. 179. WP is also available in Type B style (square-cut joist). Contact Simpson Strong-Tie when ordering.
- Hangers with a skew greater than 15° may have all the joist nails on the outside angle.
- Specify the slope up or down in degrees from the horizontal plane and/or the skew right or left in degrees from the perpendicular vertical plane.
- When combining skews and slopes specify whether low side, high side, or center of joist will be flush with the top of the header (see illustration on p. 179).

### Ridge Hanger (WP only)

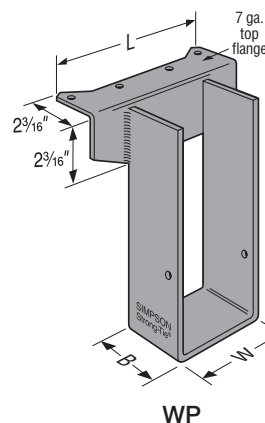
- Top flange may be sloped to a maximum of 35° to accommodate a ridge (see illustration). Specify angle of the slope. Reduce allowable load using straight-line interpolation. See open/closed example.

### Saddle Hanger (WPD)

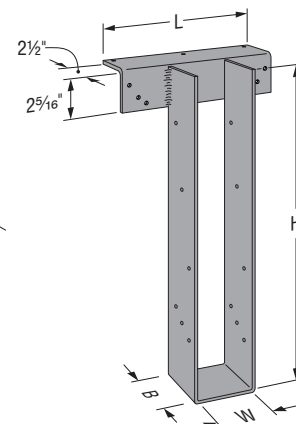
- WPD saddle hanger allowable loads are WP loads for each stirrup. Saddle hangers on stud walls do not achieve catalog loads.
- Recommended S dimension is 1/8" oversized for carrying members 2 1/2" wide and less or 1/8" oversized for greater than 2 1/2" wide.

**Codes:** See p. 13 for Code Reference Key Chart

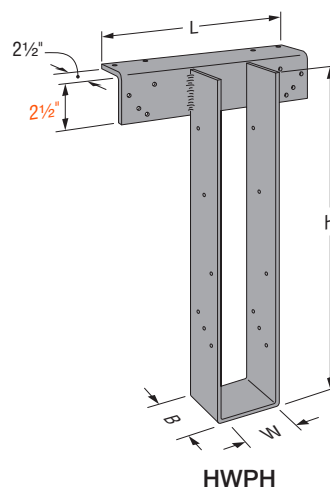
**Web Applications:** Visit [app.strongtie.com/hs](http://app.strongtie.com/hs) to access our Hanger Selector web application.



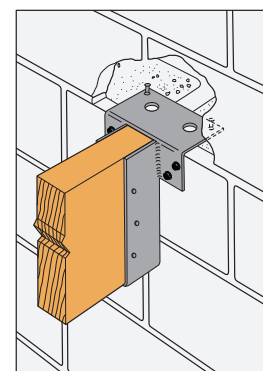
WP



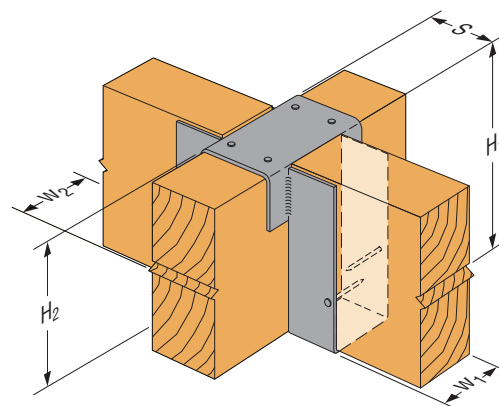
HWP



HWPH



**WMU Mid-Wall Installation**  
See pp. 250–251 for models and more information.




**Typical WPD Saddle Hanger Installation**

# WP/HWP/HWPH

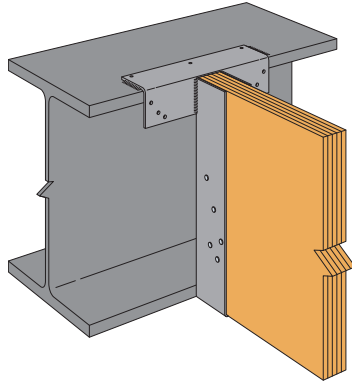
## High-Capacity Top-Flange Hangers (cont.)

I-Joist, Glulam and Structural Composite Lumber Connectors

Model	Stirrup Width (W) (in.)	Stirrup Seat Depth (B) (in.)	Top Flange Length (L) (in.)
WP	1 <sup>9</sup> / <sub>16</sub> – 2 <sup>1</sup> / <sub>16</sub>	See load table	7
	2 <sup>1</sup> / <sub>16</sub> – 3 <sup>3</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	7
	3 <sup>11</sup> / <sub>16</sub> – 7 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	8
	7 <sup>3</sup> / <sub>16</sub> – 7 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	10
HWP	1 <sup>9</sup> / <sub>16</sub>	5	10
	1 <sup>13</sup> / <sub>16</sub>	4	10
	2 <sup>3</sup> / <sub>16</sub> – 5 <sup>3</sup> / <sub>16</sub>	3	10
	5 <sup>11</sup> / <sub>16</sub> – 7 <sup>1</sup> / <sub>16</sub>	3	12
HWPH	1 <sup>19</sup> / <sub>16</sub> – 2 <sup>1</sup> / <sub>2</sub>	See load table	10
	2 <sup>9</sup> / <sub>16</sub> – 2 <sup>3</sup> / <sub>4</sub>	4	10
	3 <sup>1</sup> / <sub>4</sub> – 3 <sup>9</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	10
	3 <sup>13</sup> / <sub>16</sub> – 6 <sup>3</sup> / <sub>4</sub>	3 <sup>1</sup> / <sub>4</sub>	12
	6 <sup>1</sup> / <sub>16</sub> – 7 <sup>1</sup> / <sub>2</sub>	3 <sup>1</sup> / <sub>4</sub>	14



Visit [app.strongtie.com/hs](http://app.strongtie.com/hs) to access our Hanger Selector web application.

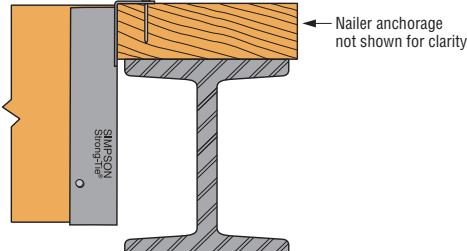


**HWP Welded on Steel Flange**  
For welded applications, see technical bulletin T-C-WELDUPLFT at [strongtie.com](http://strongtie.com).

Model	Nailer	Fasteners (in.)		Uplift <sup>1</sup> (160)	Allowable Down Loads		
		Header	Joist		DF/SP	SPF/HF	LSL
WP	2x	(4) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	—	2,465	1,985	3,150
	(2) 2x	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	—	2,985	2,230	—
	3x or 4x	(4) 0.162 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	—	2,985	2,230	3,375
HWP	(2) 2x	(9) 0.148 x 3	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	710	4,415	3,860	4,415
	3x	(9) 0.162 x 2 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	970	4,415	3,860	—
	4x	(9) 0.162 x 2 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,535	4,920	3,860	4,920
HWPH	(2) 2x	(12) 0.162 x 2 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	710	5,910	4,820	5,910
	3x	(12) 0.162 x 2 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	970	5,970	5,125	—
	4x	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,550	5,970	5,125	5,970

### Nailer Table

The table indicates the maximum allowable loads for WP, HWP and HWPH hangers used on wood nailers. Nailers are wood members attached to the top of a steel I-beam, concrete or masonry wall.



Installation on Wood Nailer

- Attachment of nailer to supporting member is the responsibility of the designer.
- Uplift loads are based on DF/SP lumber. For SPF/HF, use 0.86 x DF/SP uplift load.
- Fasteners:** Nail dimensions are listed diameter by length. See pp. 23–24 for fastener information.

## Various Header Applications

Model	Joist (in.)		Fasteners (in.)			Allowable Loads Header Type							Code Ref.
	Width	Depth	Top	Face	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	I-Joist	
WP	1 <sup>1</sup> / <sub>2</sub> to 7 <sup>1</sup> / <sub>2</sub>	5 <sup>3</sup> / <sub>8</sub> to 30	(4) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	—	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	—	2,935	3,150	—	2,465	1,985	2,030	IBC®, FL, LA
	1 <sup>1</sup> / <sub>2</sub> to 7 <sup>1</sup> / <sub>2</sub>	5 <sup>3</sup> / <sub>8</sub> to 30	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	—	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	—	2,935	3,150	3,150	2,985	2,230	—	
	1 <sup>1</sup> / <sub>2</sub> to 7 <sup>1</sup> / <sub>2</sub>	5 <sup>3</sup> / <sub>8</sub> to 30	(4) 0.162 x 2 <sup>1</sup> / <sub>2</sub>	—	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	—	3,095	3,605	3,605	2,985	2,230	—	
HWP	1 <sup>1</sup> / <sub>2</sub> to 7	6 to 15 <sup>3</sup> / <sub>8</sub>	(3) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,535	3,995	4,500	4,350	3,955	3,955	—	
	1 <sup>1</sup> / <sub>2</sub> to 7	15 <sup>3</sup> / <sub>4</sub> to 28	(3) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(12) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,560	3,995	4,500	4,350	3,955	3,955	—	
HWPH	1 <sup>13</sup> / <sub>16</sub> to 7 <sup>1</sup> / <sub>2</sub>	6 to 15 <sup>3</sup> / <sub>8</sub>	(4) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(8) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,685	6,595	7,025	5,450	5,920	4,740	—	
	1 <sup>1</sup> / <sub>16</sub> to 7 <sup>1</sup> / <sub>2</sub>	15 <sup>3</sup> / <sub>4</sub> to 32	(4) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(8) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(12) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	2,075	6,595	7,025	5,450	5,920	4,740	—	

- Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.
- Uplift loads are based on DF/SP lumber. For SPF/HF, use 0.86 x DF/SP uplift load except WMU, use 0.75 x DF/SP uplift loads.
- LVL headers are assumed to be made primarily from Douglas fir or southern pine. For LVL made from spruce-pine-fir or similar less-dense veneers, use the values found in the SPF/HF column.
- For hanger heights exceeding the joist height, the allowable load is 0.50 of the table load.
- Fasteners:** Nail dimensions are listed diameter by length. Titen Turbo™ screws are Simpson Strong-Tie concrete and masonry screws. See pp. 23–24 for fastener information.

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# WP/HWP/HWPH

## High-Capacity Top-Flange Hangers (cont.)

### Modifications and Associated Load Reductions for WP/HWP/HWPH

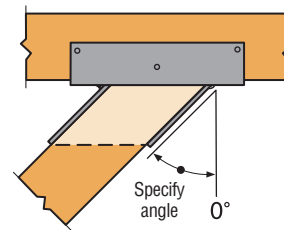
Models	Seat						Top Flange				Top Flange and Seat				Joist Height	
	Seat Sloped 45° Max.		Seat Skewed Type A	Seat Skewed Type B		Seat Sloped and Skewed Type A 1°–45°		Top Flange Sloped 35° Max.	Top Flange Bent Open or Closed 30° Max.	Top Flange Offset		Top Flange Offset and Skewed Seat Type A, Bevel Cut 1°–45°		Top Flange Offset and Skewed Seat Type B, Plumb Cut 1°–84°		Joist Shorter Than Hanger
	Slope Up	Slope Down	1°–45°	1°–45°	46°–84°	Up	Down			Narrow	Wide	Narrow	Wide	Narrow	Wide	
WP		1.0		1.0			1.0			0.5		0.5		0.25	0.3	By more than ½": 0.50 By ½" or less: 1.00
HWP	1.0		1.0	N/A		1.0		(90-a)/90	(90-a)/90	0.5	0.6	0.5		0.6		
HWPH		0.8		0.8	0.7		0.8			0.5	0.6	0.5		0.6		

- For straight-line interpolation, "a" is the specified angle.
- Reduction factors are not cumulative. Use the lowest factors that apply.
- Narrow ≤ 3½", Wide > 3½".
- HWP and HWPH options receive catalog uplift loads except: top flange offset 30% of the table load, skewed type A is 75% of the table load and HWPH only skewed type B is 50% of the table load.
- Top flange bent closed is not available for HWP or HWPH.

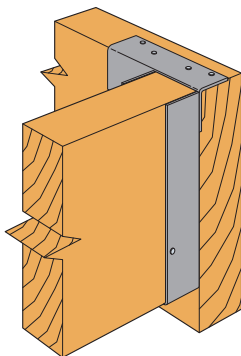
### Reduction Factor Instructions

**Allowable Download** = (lowest of Seat, Top Flange, or Joist Height) × (Table Load)

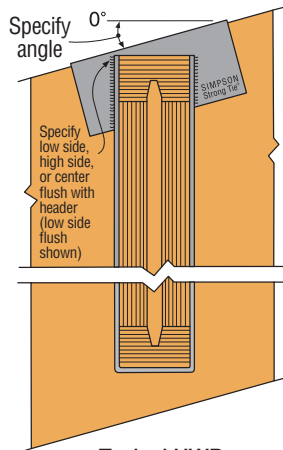
**Allowable Uplift** = as noted in table per height.



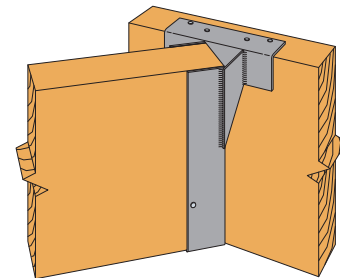
**HWP Top View**  
**Skewed Left Type A Hanger**  
(bevel-cut joist shown)



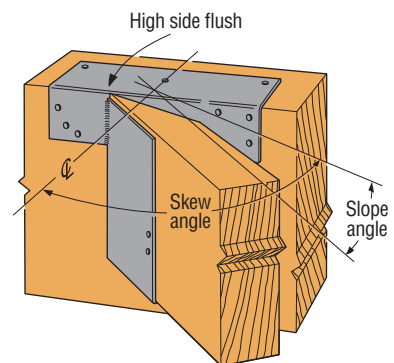
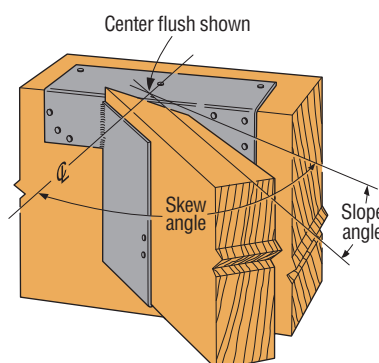
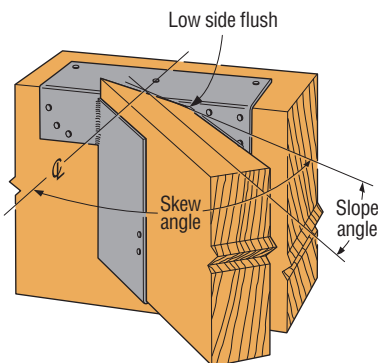
**Typical WP Top Flange**  
**Offset Left**



**Typical HWP**  
**Top Flange Sloped Down**  
**Left with Low Side Flush**



**WP Skewed Left**  
**Type B Hanger**  
(square-cut joist shown)



**Typical HWP sloped down, skewed right with type A hanger (joist end must be bevel cut).**  
When ordering, specify low side flush, center flush or high side flush.



# WP/HWP/HWPH

## Plated Truss Top-Flange Hangers

The WP hangers offer design flexibility and versatility supporting trusses off of wood or steel. WMU hangers are designed for use on standard 8" grouted masonry block wall construction.

**Material:** WP/HWP — 7-gauge top flange and 12-gauge stirrup;  
HWPH — 3-gauge top flange and 7-gauge stirrup

**Finish:** Simpson Strong-Tie gray paint; hot-dip galvanized available: specify HDG.

**Installation:**

- Use all specified fasteners.
- The WP may be used for weld-on applications. The minimum size weld is a 1 1/2" long fillet weld to each side of the top flange; weld size to match hanger material thickness. See p. 20 note k for weld information. Weld-on applications have the maximum allowable capacity listed. Uplift loads do not apply to this application.
- Hangers can support multi-ply carried members; the individual members must be secured together to work as a single unit before installation into the hanger.

**Options:**

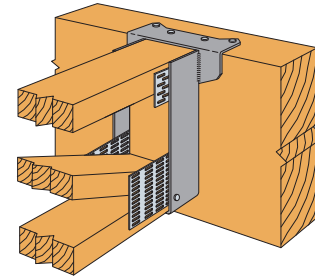
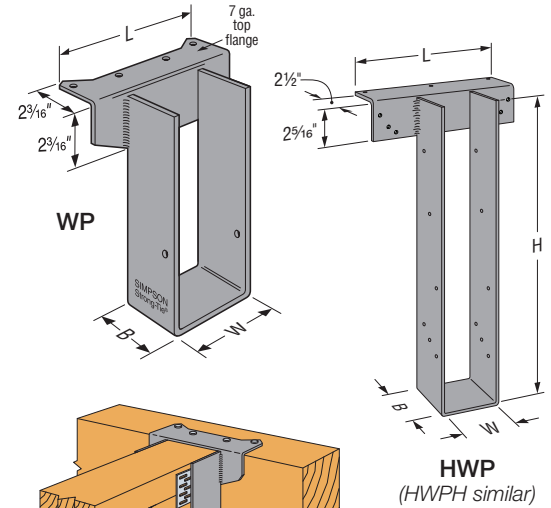
- For hanger modification options, see table on p. 134.
- For skewed trusses using the WP hanger, order the Type B stirrup for proper bearing
- For 4x2 trusses, the ANP nail pattern may be ordered with WP hangers, which will relocate the joist nails to the top and bottom chords.
- For concrete and masonry applications, see pp. 250–251 for WMU top-flange hanger.

**Saddle Hanger (WPD)**

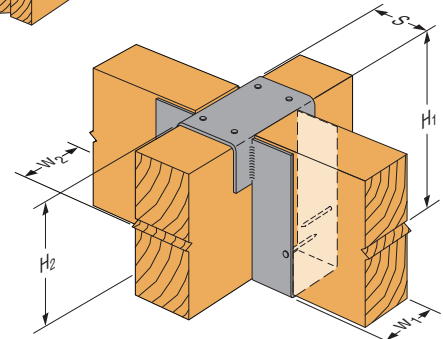
- WPD saddle hanger allowable loads are WP loads for each stirrup. Saddle hangers on stud walls do not achieve catalog loads.
- Recommended S dimension is 1/16" oversized for carrying members 2 1/2" wide and less or 1/8" oversized for greater than 2 1/2" wide.

**Codes:** See p. 13 for Code Reference Key Chart

**Web Applications:** Visit [app.strongtie.com/hs](http://app.strongtie.com/hs) to access our Hanger Selector web application.



Typical WP Installation for 4x2 Truss



Typical WPD Saddle Hanger Installation

Model	Stirrup Width (W) (in.)	Top Flange Length (L) (in.)
WP	1 1/16 – 3 3/8	7
	3 1/16 – 7 1/8	8
	7 3/16 – 7 1/2	10
HWP	1 1/16 – 5 3/8	10
	5 1/16 – 7 1/8	12
HWPH	1 1/16 – 3 3/4	10
	3 1/16 – 6 3/4	12
	6 1/16 – 7 1/2	14

## Nailer Table

The table indicates the maximum allowable loads for WP, HWP and HWPH hangers used on wood nailers. Nailers are wood members attached to the top of a steel I-beam, concrete or masonry wall.

Model	Nailer	Fasteners (in.)		Uplift <sup>1</sup> (160)	Allowable Down Loads		
		Header	Joist		DF/SP	SPF/HF	LSL
WP	2x	(4) 0.148 x 1 1/2	(2) 0.148 x 1 1/2	—	2,465	1,985	3,150
	(2) 2x	(4) 0.148 x 2 1/2	(2) 0.148 x 1 1/2	—	2,985	2,230	—
	3x or 4x	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	2,985	2,230	3,375
HWP	(2) 2x	(9) 0.148 x 3	(10) 0.148 x 1 1/2	710	4,415	3,860	4,415
	3x	(9) 0.162 x 2 1/2	(10) 0.148 x 1 1/2	970	4,415	3,860	—
	4x	(9) 0.162 x 2 1/2	(10) 0.148 x 1 1/2	1,535	4,920	3,860	4,920
HWPH	(2) 2x	(12) 0.162 x 2 1/2	(10) 0.148 x 1 1/2	710	5,910	4,820	5,910
	3x	(12) 0.162 x 2 1/2	(10) 0.148 x 1 1/2	970	5,970	5,125	—
	4x	(12) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,550	5,970	5,125	5,970

1. Attachment of nailer to supporting member is the responsibility of the designer.
2. Uplift loads are based on DF/SP lumber. For SPF/HF, use 0.86 x DF/SP uplift load.

These products are available with additional corrosion protection. For more information, see p. 16.

## Various Headers

Model	Joist (in.)		Fasteners (in.)			Allowable Loads Header Type								Code Ref.
	Width <sup>2</sup>	Depth	Top	Face	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	I-Joist	GFCMU	
WP	1 1/2 to 7 1/2	5 3/8 to 30	(4) 0.148 x 1 1/2	—	(2) 0.148 x 1 1/2	—	2,935	3,150	—	2,465	1,985	2,030	—	—
	1 1/2 to 7 1/2	5 3/8 to 30	(4) 0.148 x 1 1/2	—	(2) 0.148 x 1 1/2	—	2,935	3,150	3,150	2,985	2,230	—	—	—
	1 1/2 to 7 1/2	5 3/8 to 30	(4) 0.162 x 2 1/2	—	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	—	—	—
HWP	1 1/2 to 7	6 to 15 3/4	(3) 0.162 x 3 1/2	(6) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,535	3,995	4,500	4,350	3,955	3,955	—	—	—
	1 1/2 to 7	15 3/4 to 32	(3) 0.162 x 3 1/2	(6) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	1,560	3,995	4,500	4,350	3,955	3,955	—	—	—
HWPH	2 1/2 to 7 1/2	6 to 15 3/4	(4) 0.162 x 3 1/2	(8) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,685	6,595	7,025	5,450	5,920	4,740	—	—	—
	2 1/2 to 7 1/2	15 3/4 to 32	(4) 0.162 x 3 1/2	(8) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	2,075	6,595	7,025	5,450	5,920	4,740	—	—	—

1. Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.
2. Joist dimensions do not include truss plate thickness.
3. **Fasteners:** Nail dimensions are listed diameter by length. See pp. 23–24 for fastener information.



# WP Hanger

This series of purlin hangers offer the greatest design flexibility and versatility.

**Material:** Stirrup — 97 mil (12 ga.)

**Finish:** Simpson Strong-Tie® gray paint. Some models available hot-dip galvanized; specify HDG; see Corrosion Information on pp. 19–23.

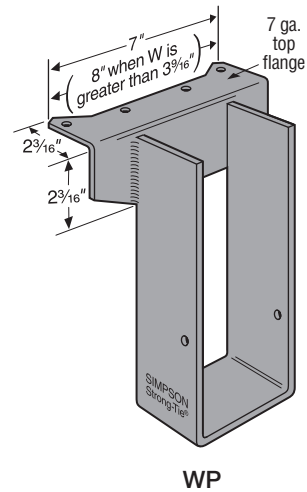
**Installation:** WP hanger may be welded to steel header with  $\frac{3}{16}$ " x  $1\frac{1}{2}$ "-fillet welds located at each end of top flange

**Options:** W and H dimensions are modifiable

**Sloped and/or Skewed Seat:**

- WP series may be skewed to a maximum of  $84^\circ$  and/or sloped to a maximum of  $45^\circ$ .
- For slope only, skew only, or slope and skew combinations, the allowable load is 100% of the table load.
- Specify the slope up or down in degrees from the horizontal plane and/or the skew right or left in degrees from the perpendicular vertical plane. Specify whether low side, high side or center of joist will be flush with the top of the header.

**Codes:** See p. 13 for Code Reference Key Chart



*Some model configurations may differ from those shown. Call Simpson Strong-Tie for details.*

Model No.	Dimensions (in.)			Fasteners <sup>4</sup>		Allowable Down Load (lb.)	Code Ref.
	W	H	B	Header	Joist		
WP	$1\frac{9}{16}$ – $7\frac{1}{2}$	4 – 30	$2\frac{1}{2}$ – 5	Weld	(1) #10	3,650	—

1. For hanger heights exceeding the joist height, the allowable load is 0.50 of the table value.
2. The designer shall ensure that the joist member adequately transfers load to the hanger.
3. Not all combinations of W, H, and B dimensions are available. Contact Simpson Strong-Tie.
4. See the current *Fastening Systems* catalog at [strongtie.com](http://strongtie.com) for more information on Simpson Strong-Tie fasteners.



# Top-Flange Hangers – Solid Sawn Lumber (DF/SP)

Visit [app.strongtie.com/hs](http://app.strongtie.com/hs) to learn more about our Hanger Selector web application.



These products are available with additional corrosion protection. For more information, see p. 16.

Solid Sawn Joist Hangers

Joist or Purlin Size	Model No.	Ga.	Dimensions				Fasteners (in.)		DF/SP Allowable Loads				Installed Cost Index (ICI)	Code Ref.
			W	H	B	TF	Header	Joist	Uplift (160)	Floor (100)	Snow (115)	Roof (125)		
<b>Sawn Lumber Sizes</b>														
2x4	PF24	18	1 <sup>9</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>16</sub>	(2) 0.148 x 3	(2) 0.148 x 3	300	1,255	1,255	1,255	Lowest	
	HU24TF	12	1 <sup>9</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>4</sub>	2 <sup>7</sup> / <sub>16</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	190	1,865	1,865	1,865	850%	
DBL 2x4	HU24-2TF	12	3 <sup>1</sup> / <sub>8</sub>	3 <sup>3</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	(8) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	370	2,050	2,050	2,050	Lowest	
2x6	JB26	18	1 <sup>9</sup> / <sub>16</sub>	5 <sup>3</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>9</sup> / <sub>16</sub>	(4) 0.148 x 3	(2) Prong	—	995	995	995	Lowest	
	LB26	14	1 <sup>9</sup> / <sub>16</sub>	5 <sup>3</sup> / <sub>16</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	(4) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	380	1,135	1,135	1,135	117%	
	HU26TF	12	1 <sup>9</sup> / <sub>16</sub>	5 <sup>3</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>4</sub>	2 <sup>7</sup> / <sub>16</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(4) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	660	2,550	2,550	2,550	568%	
DBL 2x6	HUS26-2TF	14	3 <sup>1</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>16</sub>	2	1 <sup>3</sup> / <sub>4</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(4) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,200	2,440	2,440	2,440	Lowest	
	WP26-2	12	3 <sup>1</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,985	2,985	2,985	33%	
	HU26-2TF	12	3 <sup>1</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(4) 0.148 x 3	815	2,785	2,785	2,785	87%	
2x8	JB28	18	1 <sup>9</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>9</sup> / <sub>16</sub>	(4) 0.148 x 3	(2) Prong	—	955	955	955	Lowest	
	LB28	14	1 <sup>9</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	(4) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	380	1,135	1,135	1,135	98%	
	HU28TF	12	1 <sup>9</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	2 <sup>7</sup> / <sub>16</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(4) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	700	2,910	2,970	3,010	563%	
DBL 2x8	HUS28-2TF	14	3 <sup>1</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>4</sub>	2	1 <sup>7</sup> / <sub>8</sub>	(8) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,765	3,400	3,400	3,400	Lowest	
	WP28-2	12	3 <sup>1</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,985	2,985	2,985	16%	
	HU28-2TF	12	3 <sup>1</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(4) 0.148 x 3	815	3,265	3,265	3,265	75%	
2x10	JB210A	18	1 <sup>9</sup> / <sub>16</sub>	9 <sup>3</sup> / <sub>16</sub>	2	1 <sup>7</sup> / <sub>16</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	260	1,685	1,685	1,685	*	
	LB210AZ	14	1 <sup>9</sup> / <sub>16</sub>	9 <sup>3</sup> / <sub>16</sub>	2	1 <sup>7</sup> / <sub>16</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	355	1,865	1,865	1,865	*	
	HU210TF	12	1 <sup>9</sup> / <sub>16</sub>	9 <sup>3</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>4</sub>	2 <sup>7</sup> / <sub>16</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(4) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	700	2,910	2,970	3,010	359%	
DBL 2x10	BA210-2	14	3 <sup>1</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>8</sub>	3	2 <sup>1</sup> / <sub>2</sub>	(16) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(8) 0.148 x 3	1,275	4,720	4,720	4,720	*	
	HUS210-2TF	14	3 <sup>1</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>4</sub>	2	1 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(8) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	2,315	3,735	4,065	4,275	Lowest	
	WP210-2	12	3 <sup>1</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,985	2,985	2,985	9%	
	HU210-2TF	12	3 <sup>1</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	(14) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(6) 0.148 x 3	1,220	3,945	3,945	3,945	67%	
TPL 2x10	HU210-3TF	12	4 <sup>1</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	(14) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,420	3,945	3,945	3,945	Lowest	
2x12	JB212A	18	1 <sup>9</sup> / <sub>16</sub>	11 <sup>1</sup> / <sub>8</sub>	2	1 <sup>7</sup> / <sub>16</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	260	1,685	1,685	1,685	*	
	LB212AZ	14	1 <sup>9</sup> / <sub>16</sub>	11 <sup>1</sup> / <sub>8</sub>	2	1 <sup>7</sup> / <sub>16</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	355	1,865	1,865	1,865	*	
	HU212TF	12	1 <sup>9</sup> / <sub>16</sub>	11	2 <sup>1</sup> / <sub>4</sub>	2 <sup>7</sup> / <sub>16</sub>	(14) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(6) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	700	3,070	3,070	3,070	339%	
DBL 2x12	HUS212-2TF	14	3 <sup>1</sup> / <sub>8</sub>	11 <sup>1</sup> / <sub>8</sub>	2	2 <sup>1</sup> / <sub>4</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(8) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	2,080	4,375	4,375	4,375	Lowest	
	WP212-2	12	3 <sup>1</sup> / <sub>8</sub>	11	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,985	2,985	2,985	12%	
	HU212-2TF	12	3 <sup>1</sup> / <sub>8</sub>	11	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	(16) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(6) 0.148 x 3	1,220	4,590	4,590	4,590	48%	
TPL 2x12	HU212-3TF	12	4 <sup>1</sup> / <sub>16</sub>	11	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	(16) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,420	4,590	4,590	4,590	Lowest	
2x14	JB214A	18	1 <sup>9</sup> / <sub>16</sub>	13 <sup>1</sup> / <sub>8</sub>	2	1 <sup>7</sup> / <sub>16</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	260	1,685	1,685	1,685	*	
	LB214AZ	14	1 <sup>9</sup> / <sub>16</sub>	13 <sup>1</sup> / <sub>8</sub>	2	1 <sup>7</sup> / <sub>16</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	355	1,865	1,865	1,865	*	
	HU214TF	12	1 <sup>9</sup> / <sub>16</sub>	13	2 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(16) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(6) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,140	2,955	3,045	3,110	189%	
DBL 2x14	HUS214-2TF	14	3 <sup>1</sup> / <sub>8</sub>	13 <sup>1</sup> / <sub>8</sub>	2	2 <sup>1</sup> / <sub>4</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(8) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	2,715	4,065	4,065	4,065	Lowest	
	WP214-2	12	3 <sup>1</sup> / <sub>8</sub>	13	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,985	2,985	2,985	2%	
	HU214-2TF	12	3 <sup>1</sup> / <sub>8</sub>	13	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	(18) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(8) 0.148 x 3	1,330	4,030	4,030	4,030	33%	
TPL 2x14	HU214-3TF	12	4 <sup>1</sup> / <sub>16</sub>	13	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	(18) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(8) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,560	4,030	4,030	4,030	Lowest	
2x16	LB216	14	1 <sup>9</sup> / <sub>16</sub>	15 <sup>1</sup> / <sub>8</sub>	2	1 <sup>1</sup> / <sub>2</sub>	(4) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	380	1,480	1,480	1,480	Lowest	
	HU216TF	12	1 <sup>9</sup> / <sub>16</sub>	15	2 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(18) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(8) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,065	3,235	3,360	3,440	199%	

IBC®, FL, LA

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See footnotes on p. 138.

Codes: See p. 13 for Code Reference Key Chart

# Top-Flange Hangers – Solid Sawn Lumber (DF/SP)

These products are available with additional corrosion protection. For more information, see p. 16.

Joist or Purlin Size	Model No.	Ga.	Dimensions				Fasteners (in.)		DF/SP Allowable Loads				Installed Cost Index (ICI)	Code Ref.	
			W	H	B	TF	Header	Joist	Uplift (160)	Floor (100)	Snow (115)	Roof (125)			
<b>Sawn Lumber Sizes</b>															
DBL 2x16	WP216-2	12	3 1/8	15	2 1/2	2 3/8	(4) 0.148 x 2 1/2	(2) 0.148 x 3	—	2,985	2,985	2,985	Lowest	IBC®, FL, LA	
	HU216-2TF	12	3 1/8	15	2 1/2	2 1/2	(20) 0.162 x 3 1/2	(8) 0.148 x 3	1,400	4,050	4,050	4,050	34%		
TPL 2x16	HU216-3TF	12	4 1/8	15	2 1/2	2 1/2	(20) 0.162 x 3 1/2	(8) 0.162 x 3 1/2	1,640	4,050	4,050	4,050	Lowest		
3x4	HU34TF	12	2 5/8	3 7/8	2 1/2	2 1/2	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	370	2,050	2,050	2,050	*		
3x6	HU36TF	12	2 5/8	5 3/8	2 1/2	2 1/2	(10) 0.162 x 3 1/2	(4) 0.148 x 1 1/2	705	2,785	2,785	2,785	*		
3x8	HU38TF	12	2 5/8	7 1/8	2 1/2	2 1/2	(12) 0.162 x 3 1/2	(4) 0.148 x 1 1/2	640	3,265	3,265	3,265	*		
3x10	BA310	14	2 5/8	9 3/8	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 3	1,275	4,720	4,720	4,720	*		
	HU310TF	12	2 5/8	9 3/8	2 1/2	2 1/2	(14) 0.162 x 3 1/2	(6) 0.148 x 1 1/2	1,220	3,945	3,945	3,945	*		
3x12	WP312	12	2 5/8	11 3/8	2 1/2	2 3/8	(4) 0.148 x 2 1/2	(2) 0.148 x 1 1/2	—	2,985	2,985	2,985	*		
	HU312TF	12	2 5/8	11	2 1/2	2 1/2	(16) 0.162 x 3 1/2	(6) 0.148 x 1 1/2	1,140	4,590	4,590	4,590	*		
3x14	WP314	12	2 5/8	13 1/8	2 1/2	2 3/8	(4) 0.148 x 2 1/2	(2) 0.148 x 1 1/2	—	2,985	2,985	2,985	*		
	HU314TF	12	2 5/8	13	2 1/2	2 1/2	(18) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,065	4,030	4,030	4,030	*		
3x16	WP316	12	2 5/8	15	2 1/2	2 3/8	(4) 0.148 x 2 1/2	(2) 0.148 x 1 1/2	—	2,985	2,985	2,985	*		
4x3	HU43TF	12	3 3/8	3	2 1/2	2 1/2	(8) 0.162 x 3 1/2	(2) 0.148 x 3	330	2,600	2,600	2,600	*		—
4x4	HU44TF	12	3 3/8	3 7/8	2 1/2	2 1/2	(8) 0.162 x 3 1/2	(2) 0.148 x 3	370	2,050	2,050	2,050	Lowest		IBC, FL, LA
4x6	HU46TF	12	3 3/8	5 3/8	2 1/2	2 1/2	(10) 0.162 x 3 1/2	(4) 0.148 x 3	815	2,785	2,785	2,785	28%		
	WP46	12	3 3/8	5 7/8	2 1/2	2 3/8	(4) 0.148 x 2 1/2	(2) 0.148 x 1 1/2	—	2,985	2,985	2,985	*		
4x8	BA48 (Min.)	14	3 3/8	7 1/8	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	3,205	3,205	3,205	Lowest		
	BA48 (Max.)	14	3 3/8	7 1/8	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,720	4,720	4,720	7%		
	HU48TF	12	3 3/8	7 1/8	2 1/2	2 1/2	(12) 0.162 x 3 1/2	(4) 0.148 x 3	815	3,265	3,265	3,265	95%		
	WP48	12	3 3/8	7 1/8	2 1/2	2 3/8	(4) 0.148 x 2 1/2	(2) 0.148 x 1 1/2	—	2,985	2,985	2,985	*		
4x10	BA410 (Min.)	14	3 3/8	9 3/8	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	3,205	3,205	3,205	Lowest		
	BA410 (Max.)	14	3 3/8	9 3/8	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,720	4,720	4,720	7%		
	HU410TF	12	3 3/8	9 3/8	2 1/2	2 1/2	(14) 0.162 x 3 1/2	(6) 0.148 x 3	1,220	3,945	3,945	3,945	86%		
	HWP410	12	3 3/8	9 3/8	3	2 1/2	(9) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,535	3,955	3,955	3,955	*		
	HB410	7	3 3/8	9 3/8	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,395	5,395	5,395	*		
	HGLT4 H = 9 3/8	7	3 3/8	7 1/2 to 33	6	2 1/2	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*		
4x12	BA412 (Min.)	14	3 3/8	11	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	3,870	3,870	3,870	Lowest		
	BA412 (Max.)	14	3 3/8	11	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,720	4,720	4,720	6%		
	WP412	12	3 3/8	11 3/8	2 1/2	2 3/8	(4) 0.148 x 2 1/2	(2) 0.148 x 3	—	2,985	2,985	2,985	32%		
	HU412TF	12	3 3/8	11	2 1/2	2 1/2	(16) 0.162 x 3 1/2	(6) 0.148 x 3	1,220	4,590	4,590	4,590	84%		
	HWP412	12	3 3/8	11 3/8	3 1/4	2 1/2	(9) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,535	3,955	3,955	3,955	*		
	HB412	10	3 3/8	11 3/8	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,395	5,395	5,395	*		
	HGLT4 H = 11 1/8	7	3 3/8	7 1/2 to 33	6	2 1/2	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*		
4x14	WP414	12	3 3/8	13 1/8	2 1/2	2 3/8	(4) 0.148 x 2 1/2	(2) 0.148 x 3	—	2,985	2,985	2,985	13%		
	HU414TF	12	3 3/8	13	2 1/2	2 1/2	(18) 0.162 x 3 1/2	(8) 0.148 x 3	1,330	4,030	4,030	4,030	89%		
	HB414	10	3 3/8	13	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,395	5,395	5,395	*		
	HWP414	7	3 3/8	13 1/8	3 1/4	2 1/2	(12) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,685	5,920	5,920	5,920	*		
		HGLT4 H = 13 1/8	7	3 3/8	7 to 33	6	2 1/2	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*	
4x16	WP416	12	3 3/8	15 1/8	2 1/2	2 3/8	(4) 0.148 x 2 1/2	(2) 0.148 x 3	—	2,985	2,985	2,985	Lowest		
	HU416TF	12	3 3/8	15	2 1/2	2 1/2	(20) 0.162 x 3 1/2	(8) 0.148 x 3	1,400	4,050	4,050	4,050	81%		
	HB416	10	3 3/8	15	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,395	5,395	5,395	*		
	HWP416	7	3 3/8	15	3 1/4	2 1/2	(12) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,685	5,920	5,920	5,920	*		
		HGLT4 H = 15	7	3 3/8	7 1/2 to 33	6	2 1/2	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*	

See footnotes on p. 138.

Codes: See p. 13 for Code Reference Key Chart

# Top-Flange Hangers – Solid Sawn Lumber (DF/SP)

These products are available with additional corrosion protection. For more information, see p. 16.

Solid Sawn Joist Hangers

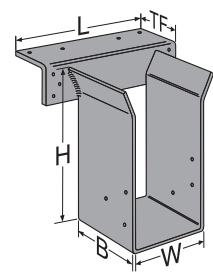
Joist or Purlin Size	Model No.	Ga.	Dimensions				Fasteners (in.)		DF/SP Allowable Loads				Installed Cost Index (ICI)	Code Ref.
			W	H	B	TF	Header	Joist	Uplift (160)	Floor (100)	Snow (115)	Roof (125)		
<b>Sawn Lumber Sizes</b>														
6x6	WP66	12	5 <sup>5</sup> / <sub>16</sub>	5 <sup>7</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>5</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,985	2,985	2,985	*	IBC®, FL, LA
	HU66TF	12	5 <sup>1</sup> / <sub>2</sub>	5 <sup>5</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(4) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	945	2,785	2,785	2,785	*	
	HWP66	12	5 <sup>1</sup> / <sub>2</sub>	5 <sup>5</sup> / <sub>16</sub>	3	2 <sup>1</sup> / <sub>2</sub>	(9) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,535	3,955	3,955	3,955	*	
6x8	WP68	12	5 <sup>5</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>5</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,985	2,985	2,985	*	
	HU68TF	12	5 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(4) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	945	3,265	3,265	3,265	*	
	HWP68	12	5 <sup>5</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>16</sub>	3	2 <sup>1</sup> / <sub>2</sub>	(9) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,535	3,955	3,955	3,955	*	
6x10	WP610	12	5 <sup>5</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>5</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,985	2,985	2,985	*	
	HU610TF	12	5 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	(14) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,420	3,945	3,945	3,945	*	
	HWP610	7	5 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,685	5,920	5,920	5,920	*	
	HB610	10	5 <sup>5</sup> / <sub>16</sub>	9 <sup>3</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>2</sub>	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	2,075	5,395	5,395	5,395	*	
	HGLT6 H = 9 <sup>1</sup> / <sub>16</sub>	7	5 <sup>5</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>2</sub> to 33	6	2 <sup>1</sup> / <sub>2</sub>	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*	
6x12	HWP612	7	5 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,685	5,920	5,920	5,920	*	
	HU612TF	12	5 <sup>1</sup> / <sub>2</sub>	11	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	(16) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,420	4,590	4,590	4,590	*	
	HB612	10	5 <sup>5</sup> / <sub>16</sub>	11 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>2</sub>	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	2,075	5,395	5,395	5,395	*	
	HGLT6 H = 11 <sup>1</sup> / <sub>16</sub>	7	5 <sup>5</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>2</sub> to 33	6	2 <sup>1</sup> / <sub>2</sub>	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*	
6x14	HWP614	7	5 <sup>1</sup> / <sub>2</sub>	13 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,685	5,920	5,920	5,920	*	
	HU614TF	12	5 <sup>1</sup> / <sub>2</sub>	13	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	(18) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(8) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,560	4,030	4,030	4,030	*	
	HB614	10	5 <sup>5</sup> / <sub>16</sub>	13	3 <sup>1</sup> / <sub>2</sub>	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	2,075	5,395	5,395	5,395	*	
	HGLT6 H = 13 <sup>1</sup> / <sub>16</sub>	7	5 <sup>5</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>2</sub> to 33	6	2 <sup>1</sup> / <sub>2</sub>	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*	
6x16	HWP616	7	5 <sup>1</sup> / <sub>2</sub>	15	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,685	5,920	5,920	5,920	*	
	HU616TF	12	5 <sup>1</sup> / <sub>2</sub>	15	2 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>	(20) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(8) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,640	4,050	4,050	4,050	*	
	HB616	10	5 <sup>5</sup> / <sub>16</sub>	15	3 <sup>1</sup> / <sub>2</sub>	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	2,075	5,395	5,395	5,395	*	
	HGLT6 H = 15	7	5 <sup>5</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>2</sub> to 33	6	2 <sup>1</sup> / <sub>2</sub>	(18) N54A	(6) N54A	2,450	10,720	10,720	10,720	*	
8x8	WP7.50 H = 7.25	12	7 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>2</sub> to 30	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,985	2,985	2,985	*	
8x10	HB7.50X H = 9 <sup>3</sup> / <sub>16</sub>	10	7 <sup>1</sup> / <sub>2</sub>	8 to 28	3 <sup>1</sup> / <sub>2</sub>	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	2,075	5,395	5,395	5,395	*	
	HWP810	7	7 <sup>1</sup> / <sub>2</sub>	9 <sup>3</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,685	5,920	5,920	5,920	*	
8x12	HB7.50X H = 11 <sup>1</sup> / <sub>16</sub>	10	7 <sup>1</sup> / <sub>2</sub>	8 to 28	3 <sup>1</sup> / <sub>2</sub>	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	2,075	5,395	5,395	5,395	*	
	HWP812	7	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,685	5,920	5,920	5,920	*	
8x14	HB7.50X H = 13 <sup>1</sup> / <sub>16</sub>	10	7 <sup>1</sup> / <sub>2</sub>	8 to 28	3 <sup>1</sup> / <sub>2</sub>	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	2,075	5,395	5,395	5,395	*	
	HWP814	7	7 <sup>1</sup> / <sub>2</sub>	13 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,685	5,920	5,920	5,920	*	
8x16	HB7.50X H = 15	10	7 <sup>1</sup> / <sub>2</sub>	8 to 28	3 <sup>1</sup> / <sub>2</sub>	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	2,075	5,395	5,395	5,395	*	
	HWP816	7	7 <sup>1</sup> / <sub>2</sub>	15	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,685	5,920	5,920	5,920	*	

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- Uplift loads have been increased for wind or earthquake loading with no further increase allowed. For normal loading applications such as cantilever construction, refer to the Simpson Strong-Tie Hanger Selector web application or conservatively divide the uplift load by 1.6.
- N54A fasteners are supplied with hangers.
- Uplift loads are based on DF/SP lumber. For SPF/HF, use 0.86 x DF/SP uplift load.
- HGLT information can be found on pp. 180–181.
- Hangers with an “\*” do not have an Installed Cost Index.
- Fasteners:** Nail dimensions in the table are listed diameter by length. See pp. 23–24 for fastener information.

**Codes:** See p. 13 for Code Reference Key Chart

Specify joist-to-beam connections by visiting [app.strongtie.com/hs](https://app.strongtie.com/hs) to access our Hanger Selector web application.



# Top-Flange Hangers — Solid Sawn Lumber (SPF/HF)

These products are available with additional corrosion protection. For more information, see p. 16.

Joist or Purlin Size	Model No.	Ga.	Dimensions (in.)				Fasteners (in.)		SPF/HF Allowable Loads			
			W	H	B	TF	Header	Joist	Uplift (160)	Floor (100)	Snow (115)	Roof (125)
<b>Sawn Lumber Sizes</b>												
2x4	PF24	18	1 <sup>1</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>16</sub>	(2) 0.148 x 3	(2) 0.148 x 3	230	650	660	660
	HU24TF	12	1 <sup>1</sup> / <sub>16</sub>	3 <sup>7</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	350	930	930	930
2x6	PF26	18	1 <sup>1</sup> / <sub>16</sub>	5 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>16</sub>	(2) 0.148 x 3	(2) 0.148 x 3	455	805	850	880
	JB26	18	1 <sup>1</sup> / <sub>16</sub>	5 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>16</sub>	(4) 0.148 x 3	(2) Prong	—	815	815	815
	LB26	14	1 <sup>1</sup> / <sub>16</sub>	5 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	(4) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	325	860	860	860
	HU26TF	12	1 <sup>1</sup> / <sub>16</sub>	5 <sup>3</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(4) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	695	1,000	1,000	1,000
DBL 2x6	WP26-2	12	3 <sup>1</sup> / <sub>8</sub>	5 <sup>3</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,230	2,230	2,230
2x8	JB28	18	1 <sup>1</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>16</sub>	(4) 0.148 x 3	(2) Prong	—	820	820	820
	LB28	14	1 <sup>1</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>	1 <sup>1</sup> / <sub>2</sub>	(4) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	325	790	790	790
DBL 2x8	WP28-2	12	3 <sup>1</sup> / <sub>8</sub>	7 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,230	2,230	2,230
2x10	JB210A	18	1 <sup>1</sup> / <sub>16</sub>	9 <sup>3</sup> / <sub>16</sub>	2	1 <sup>1</sup> / <sub>16</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	270	1,190	1,190	1,190
	LB210AZ	14	1 <sup>1</sup> / <sub>16</sub>	9 <sup>3</sup> / <sub>16</sub>	2	1 <sup>1</sup> / <sub>16</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	325	1,330	1,330	1,330
DBL 2x10	WP210-2	12	3 <sup>1</sup> / <sub>8</sub>	9 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,230	2,230	2,230
2x12	JB212A	18	1 <sup>1</sup> / <sub>16</sub>	11 <sup>1</sup> / <sub>8</sub>	2	1 <sup>1</sup> / <sub>16</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	270	1,190	1,190	1,190
	LB212AZ	14	1 <sup>1</sup> / <sub>16</sub>	11 <sup>1</sup> / <sub>8</sub>	2	1 <sup>1</sup> / <sub>16</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	325	1,330	1,330	1,330
DBL 2x12	WP212-2	12	3 <sup>1</sup> / <sub>8</sub>	11	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,230	2,230	2,230
2x14	JB214A	18	1 <sup>1</sup> / <sub>16</sub>	13 <sup>1</sup> / <sub>8</sub>	2	1 <sup>1</sup> / <sub>16</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	270	1,190	1,190	1,190
	LB214AZ	14	1 <sup>1</sup> / <sub>16</sub>	13 <sup>1</sup> / <sub>8</sub>	2	1 <sup>1</sup> / <sub>16</sub>	(6) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	325	1,330	1,330	1,330
DBL 2x14	WP214-2	12	3 <sup>1</sup> / <sub>8</sub>	13	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,230	2,230	2,230
2x16	LB216	14	1 <sup>1</sup> / <sub>16</sub>	15 <sup>1</sup> / <sub>8</sub>	2	1 <sup>1</sup> / <sub>2</sub>	(4) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	325	945	945	945
DBL 2x16	WP216-2	12	3 <sup>1</sup> / <sub>8</sub>	15	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,230	2,230	2,230
3x12	WP312	12	2 <sup>9</sup> / <sub>16</sub>	11 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	—	2,230	2,230	2,230
3x14	WP314	12	2 <sup>9</sup> / <sub>16</sub>	13 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	—	2,230	2,230	2,230
3x16	WP316	12	2 <sup>9</sup> / <sub>16</sub>	15	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	—	2,230	2,230	2,230
4x6	WP46	12	3 <sup>9</sup> / <sub>16</sub>	5 <sup>7</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	—	2,230	2,230	2,230
	BA48 (Min.)	14	3 <sup>9</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>8</sub>	3	2 <sup>1</sup> / <sub>2</sub>	(16) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	225	2,660	2,660	2,660
		BA48 (Max.)	14	3 <sup>9</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>8</sub>	3	2 <sup>1</sup> / <sub>2</sub>	(16) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(8) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,110	4,005	4,005
	WP48	12	3 <sup>9</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	—	2,230	2,230	2,230
4x10	BA410 (Min.)	14	3 <sup>9</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>8</sub>	3	2 <sup>1</sup> / <sub>2</sub>	(16) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	225	2,660	2,660	2,660
		BA410 (Max.)	14	3 <sup>9</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>8</sub>	3	2 <sup>1</sup> / <sub>2</sub>	(16) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(8) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,110	4,005	4,005
	HWP410	12	3 <sup>9</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>8</sub>	3	2 <sup>1</sup> / <sub>2</sub>	(9) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,535	3,955	3,955	3,955
4x12	BA412 (Min.)	14	3 <sup>9</sup> / <sub>16</sub>	11	3	2 <sup>1</sup> / <sub>2</sub>	(16) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	225	3,095	3,095	3,095
		BA412 (Max.)	14	3 <sup>9</sup> / <sub>16</sub>	11	3	2 <sup>1</sup> / <sub>2</sub>	(16) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(8) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,110	4,005	4,005
	HWP412	12	3 <sup>9</sup> / <sub>16</sub>	11 <sup>1</sup> / <sub>8</sub>	3	2 <sup>1</sup> / <sub>2</sub>	(9) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,535	3,955	3,955	3,955

See footnotes on p. 140.


# Top-Flange Hangers — Solid Sawn Lumber (SPF/HF)

These products are available with additional corrosion protection. For more information, see p. 16.

Solid Sawn Joist Hangers

Joist or Purlin Size	Model No.	Ga.	Dimensions (in.)				Fasteners (in.)		SPF/HF Allowable Loads			
			W	H	B	TF	Header	Joist	Uplift (160)	Floor (100)	Snow (115)	Roof (125)
<b>Sawn Lumber Sizes</b>												
4x14	WP414	12	3 <sup>9</sup> / <sub>16</sub>	13 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,230	2,230	2,230
	HWP414	7	3 <sup>9</sup> / <sub>16</sub>	13 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,450	4,740	4,740	4,740
4x16	WP416	12	3 <sup>9</sup> / <sub>16</sub>	15 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,230	2,230	2,230
	HWP416	7	3 <sup>9</sup> / <sub>16</sub>	15	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,450	4,740	4,740	4,740
6x6	WP66	12	5 <sup>9</sup> / <sub>16</sub>	5 <sup>7</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>5</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,230	2,230	2,230
	HWP66	11	5 <sup>1</sup> / <sub>2</sub>	5 <sup>3</sup> / <sub>8</sub>	3	2 <sup>1</sup> / <sub>2</sub>	(4) 0.148 x 3	(2) 0.148 x 3	—	3,235	3,235	3,235
6x8	WP68	12	5 <sup>9</sup> / <sub>16</sub>	7 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>5</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,230	2,230	2,230
	HWP68	12	5 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(9) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,535	3,955	3,955	3,955
6x10	WP610	12	5 <sup>9</sup> / <sub>16</sub>	9 <sup>1</sup> / <sub>8</sub>	2 <sup>1</sup> / <sub>2</sub>	2 <sup>5</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 3	—	2,230	2,230	2,230
	HB610	10	5 <sup>9</sup> / <sub>16</sub>	9 <sup>3</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>2</sub>	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,785	3,820	3,820	3,820
	HWP610	7	5 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,450	4,740	4,740	4,740
6x12	HB612	10	5 <sup>9</sup> / <sub>16</sub>	11 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>2</sub>	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,785	3,820	3,820	3,820
	HWP612	7	5 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,450	4,740	4,740	4,740
6x14	HB614	10	5 <sup>9</sup> / <sub>16</sub>	13	3.5	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,785	3,820	3,820	3,820
	HWP614	7	5 <sup>1</sup> / <sub>2</sub>	13 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,450	4,740	4,740	4,740
6x16	HB616	10	5 <sup>9</sup> / <sub>16</sub>	15	3 <sup>1</sup> / <sub>2</sub>	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,785	3,820	3,820	3,820
	HWP616	7	5 <sup>1</sup> / <sub>2</sub>	15	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,450	4,740	4,740	4,740
8x8	WP7.50 H = 7.25	12	7 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>2</sub> to 30	2 <sup>1</sup> / <sub>2</sub>	2 <sup>3</sup> / <sub>16</sub>	(4) 0.148 x 2 <sup>1</sup> / <sub>2</sub>	(2) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	—	2,230	2,230	2,230
8x10	HB7.50X H = 9 <sup>3</sup> / <sub>16</sub>	10	7 <sup>1</sup> / <sub>2</sub>	8 to 28	3 <sup>1</sup> / <sub>2</sub>	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,785	3,820	3,820	3,820
	HWP810	7	7 <sup>1</sup> / <sub>2</sub>	9 <sup>3</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,450	4,740	4,740	4,740
8x12	HB7.50X H = 11 <sup>1</sup> / <sub>8</sub>	10	7 <sup>1</sup> / <sub>2</sub>	8 to 28	3 <sup>1</sup> / <sub>2</sub>	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,785	3,820	3,820	3,820
	HWP812	7	7 <sup>1</sup> / <sub>2</sub>	11 <sup>1</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,450	4,740	4,740	4,740
8x14	HB7.50X H = 13 <sup>1</sup> / <sub>16</sub>	10	7 <sup>1</sup> / <sub>2</sub>	8 to 28	3 <sup>1</sup> / <sub>2</sub>	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,785	3,820	3,820	3,820
	HWP814	7	7 <sup>1</sup> / <sub>2</sub>	13 <sup>1</sup> / <sub>16</sub>	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,450	4,740	4,740	4,740
8x16	HB7.50X H = 15	10	7 <sup>1</sup> / <sub>2</sub>	8 to 28	3 <sup>1</sup> / <sub>2</sub>	3	(22) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	1,785	3,820	3,820	3,820
	HWP816	7	7 <sup>1</sup> / <sub>2</sub>	15	3 <sup>1</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>2</sub>	(12) 0.162 x 3 <sup>1</sup> / <sub>2</sub>	(10) 0.148 x 1 <sup>1</sup> / <sub>2</sub>	1,450	4,740	4,740	4,740

- Uplift loads have been increased for wind or earthquake loading with no further increase allowed. For normal loading applications such as cantilever construction, refer to Simpson Strong-Tie [Hanger Selector web application](#) or conservatively divide the uplift load by 1.6.
- Fasteners:** Nail dimensions are listed diameter by length. See pp. 23–24 for fastener information.



Specify joist-to-beam connections by visiting [app.strongtie.com/hs](https://app.strongtie.com/hs) to access our Hanger Selector web application.

# Top-Flange Hangers – I-Joists, Glulam and SCL



Visit [app.strongtie.com/hs](https://app.strongtie.com/hs) to learn more about our Hanger Selector web application.

Actual Joist Size (in.)	Model No.	Joist Types				Dimensions (in.)				Fasteners (in.)		Allowable Loads Header Type						
		Glulam	SCL	I-Joist	Web Stiff Req <sup>d</sup> 7	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	DF/SCL I-Joist <sup>t</sup>
1 1/2 x 9 1/2	BA1.56/9.5 (Min.)		•	•	—	1 1/16	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,205	2,660	1,495
	BA1.56/9.5 (Max.)		•	•	✓	1 1/16	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,645	4,005	1,495
	WP1.56 H=9.5		•	•	✓	1 1/16	5 3/8 to 30	4 3/4	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
1 1/2 x 11 7/8	ITS1.56/11.88		•	•	—	1 1/8	11 1/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	BA1.56/11.88 (Min.)		•	•	—	1 1/16	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA1.56/11.88 (Max.)		•	•	✓	1 1/16	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,645	4,005	1,495
	WP1.56 H=11.875		•	•	✓	1 1/16	5 3/8 to 30	4 3/4	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
1 3/4 x 7 1/4	BA1.81/7.25 (Min.)		•	•	—	1 1/16	7 1/4	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,205	2,660	1,495
	BA1.81/7.25 (Max.)		•	•	✓	1 1/16	7 1/4	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP1.81 H=7.25		•	•	✓	1 1/16	5 3/8 to 30	4	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
1 3/4 x 9 1/4	BA1.81/9.25 (Min.)		•	•	—	1 1/16	9 1/4	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	2,980	2,660	1,495
	BA1.81/9.25 (Max.)		•	•	✓	1 1/16	9 1/4	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP1.81 H=9.25		•	•	✓	1 1/16	5 3/8 to 30	4	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
1 3/4 x 9 1/2	ITS1.81/9.5		•	•	—	1 7/8	9 7/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT9.5		•	•	—	1 1/16	9 1/2	2 1/2	2 3/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA1.81/9.5 (Min.)		•	•	—	1 1/16	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,205	2,660	1,495
	BA1.81/9.5 (Max.)		•	•	✓	1 1/16	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP1.81 H=9.5		•	•	✓	1 1/16	5 3/8 to 30	4	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
1 3/4 x 11 1/4	BA1.81/11.25 (Min.)		•	•	—	1 1/16	11 1/4	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA1.81/11.25 (Max.)		•	•	✓	1 1/16	11 1/4	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP1.81 H=11.25		•	•	✓	1 1/16	5 3/8 to 30	4	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
1 3/4 x 11 7/8	ITS1.81/11.88		•	•	—	1 7/8	11 1/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT11.88		•	•	—	1 1/16	11 7/8	2 1/2	2 3/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA1.81/11.88 (Min.)		•	•	—	1 1/16	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA1.81/11.88 (Max.)		•	•	✓	1 1/16	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP1.81 H=11.875		•	•	✓	1 1/16	5 3/8 to 30	4	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
1 3/4 x 14	ITS1.81/14		•	•	—	1 7/8	13 1/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT1.81/14		•	•	—	1 1/16	14	2 1/2	2 3/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA1.81/14 (Min.)		•	•	—	1 1/16	14	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA1.81/14 (Max.)		•	•	✓	1 1/16	14	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP1.81 H=14		•	•	✓	1 1/16	5 3/8 to 30	4	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
1 3/4 x 16	ITS1.81/16		•	•	—	1 7/8	15 1/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT1.81/16		•	•	—	1 1/16	16	2 1/2	2 3/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA1.81/16 (Min.)		•	•	—	1 1/16	16	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA1.81/16 (Max.)		•	•	✓	1 1/16	16	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP1.81 H=16		•	•	✓	1 1/16	5 3/8 to 30	4	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
2 x 9 1/2	ITS2.06/9.5		•	—	—	2 1/8	9 7/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	BA2.1/9.5 (Min.)		•	—	—	2 1/8	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	2,980	2,660	1,495
	BA2.1/9.5 (Max.)		•	✓	—	2 1/8	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.1 H=9.5		•	✓	—	2 1/8	5 3/8 to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
2 x 11 7/8	ITS2.06/11.88		•	—	—	2 1/8	11 1/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT2.1/11.88		•	—	—	2 1/8	11 7/8	2 1/2	2 3/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA2.1/11.88 (Min.)		•	—	—	2 1/8	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.1/11.88 (Max.)		•	✓	—	2 1/8	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.1 H=11.875		•	✓	—	2 1/8	5 3/8 to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
2 x 14	ITS2.06/14		•	—	—	2 1/8	13 1/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	BA2.1/14 (Min.)		•	—	—	2 1/8	14	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.1/14 (Max.)		•	✓	—	2 1/8	14	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.1 H=14		•	✓	—	2 1/8	5 3/8 to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030

I-Joist, Glulam and Structural Composite Lumber Connectors



# Top-Flange Hangers – I-Joists, Glulam and SCL

I-Joist, Glulam and Structural Composite Lumber Connectors

Actual Joist Size (in.)	Model No.	Joist Types			Dimensions (in.)				Fasteners (in.)		Allowable Loads Header Type						
		Glulam	SCL	I-Joist	Web Stiff Req <sup>d.7</sup>	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF
2 x 16	ITS2.06/16			• —	2 1/8	15 1/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	BA2.1/16 (Min.)			• —	2 1/8	16	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.1/16 (Max.)			• ✓	2 1/8	16	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.1 H=16			• ✓	2 1/8	5% to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
2 1/8 x 9 1/2	ITS2.06/9.5			• —	2 1/8	9 7/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	BA2.1/9.5 (Min.)			• —	2 1/8	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	2,980	2,660	1,495
	BA2.1/9.5 (Max.)			• ✓	2 1/8	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.1 H=9.5			• ✓	2 1/8	5% to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
2 1/8 x 11 7/8	ITS2.06/11.88			• —	2 1/8	11 19/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT2.1/11.88			• —	2 1/8	11 7/8	2 1/2	2 3/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA2.1/11.88 (Min.)			• —	2 1/8	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.1/11.88 (Max.)			• ✓	2 1/8	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.1 H=11.875			• ✓	2 1/8	5% to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
2 1/8 x 14	ITS2.06/14			• —	2 1/8	13 15/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	BA2.1/14 (Min.)			• —	2 1/8	14	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.1/14 (Max.)			• ✓	2 1/8	14	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.1 H=14			• ✓	2 1/8	5% to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
2 1/8 x 16	ITS2.06/16			• —	2 1/8	15 1/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	BA2.1/16 (Min.)			• —	2 1/8	16	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.1/16 (Max.)			• ✓	2 1/8	16	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.1 H=16			• ✓	2 1/8	5% to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
2 1/4 x 9 1/2 to 20	2 1/4"-wide joists use the same hangers as 2 3/16"-wide joists with the following load adjustments to the table loads: ITS download is the lesser of the table load or 1,400 lb.; ITS uplift is 85 lb.; MIT and HIT downloads are the lesser of the table load or 2,140 lb.																
2 3/16 x 9 1/2	ITS2.37/9.5			• —	2 7/16	9 7/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	BA2.37/9.5 (Min.)			• —	2 3/16	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,205	2,660	1,495
	BA2.37/9.5 (Max.)			• ✓	2 3/16	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.37 H=9.5			• ✓	2 3/16	5% to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
2 3/16 x 11 7/8	ITS2.37/11.88			• —	2 7/16	11 19/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT3511.88			• —	2 3/16	11 7/8	2 1/2	2 3/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA2.37/11.88 (Min.)			• —	2 3/16	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.37/11.88 (Max.)			• ✓	2 3/16	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.37 H=11.875			• ✓	2 3/16	5% to 30	2 1/2	2 1/2	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	—
2 3/16 x 14	ITS2.37/14			• —	2 7/16	13 15/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT3514			• —	2 3/16	14	2 1/2	2 3/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA2.37/14 (Min.)			• —	2 3/16	14	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.37/14 (Max.)			• ✓	2 3/16	14	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.37 H=14			• ✓	2 3/16	5% to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
2 3/16 x 16	ITS2.37/16			• —	2 7/16	15 1/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT3516			• —	2 3/16	16	2 1/2	2 3/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA2.37/16 (Min.)			• —	2 3/16	16	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.37/16 (Max.)			• ✓	2 3/16	16	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.37 H=16			• ✓	2 3/16	5% to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
2 3/16 x 18	MIT3518			• —	2 3/16	18	2 1/2	2 3/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA2.37/18 (Min.)			• —	2 3/16	18	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.37/18 (Max.)			• ✓	2 3/16	18	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.37 H=18			• ✓	2 3/16	5% to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
2 3/16 x 20	MIT3520			• —	2 3/16	20	2 1/2	2 3/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA2.37/20 (Min.)			• —	2 3/16	20	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.37/20 (Max.)			• ✓	2 3/16	20	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.37 H=20			• ✓	2 3/16	5% to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030

See footnotes on p. 194.

# Top-Flange Hangers – I-Joists, Glulam and SCL

Actual Joist Size (in.)	Model No.	Joist Types				Dimensions (in.)				Fasteners (in.)		Allowable Loads Header Type						
		Glulam	SCL	I-Joist	Web Stiff Req'd.7	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	DF/SCL I-Joist <sup>t</sup>
2½ x 9¼	BA2.56 H=9.25 (Min.)			• —		2⅞	9¼	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,205	2,660	1,495
	BA2.56 H=9.25 (Max.)			• ✓		2⅞	9¼	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.56 H=9.25			• ✓		2⅞	5⅝ to 30	2½	2⅞	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP2.56 H=9.25			• ✓		2⅞	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,535	3,995	4,500	4,350	3,955	3,955	—
2½ x 9½	ITS2.56/9.5			• —		2⅞	9⅞	2	1⅞	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	BA2.56/9.5 (Min.)			• —		2⅞	9½	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,205	2,660	1,495
	BA2.56/9.5 (Max.)			• ✓		2⅞	9½	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.56 H=9.5			• ✓		2⅞	5⅝ to 30	2	2½	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	—
2½ x 11¼	HWP2.56 H=9.5			• ✓		2⅞	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
	BA2.56 H=11.25 (Min.)			• —		2⅞	11¼	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.56 H=11.25 (Max.)			• ✓		2⅞	11¼	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.56 H=11.25			• ✓		2⅞	5⅝ to 30	2	2½	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	—
2½ x 11⅞	HWP2.56 H=11.25			• ✓		2⅞	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
	ITS2.56/11.88			• —		2⅞	11⅞	2	1⅞	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT311.88			• —		2⅞	11⅞	2½	2⅞	(8) 0.162 x 3½	(2) 0.148 x 1½	255	2,550	2,140	2,115	2,575	1,665	1,230
	BA2.56/11.88 (Min.)			• —		2⅞	11⅞	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
2½ x 11⅞	BA2.56/11.88 (Max.)			• ✓		2⅞	11⅞	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.56 H=11.875			• ✓		2⅞	5⅝ to 30	2½	2⅞	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP2.56 H=11.875			• ✓		2⅞	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
	2½ x 14	ITS2.56/14			• —		2⅞	13⅞	2	1⅞	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150
MIT314				• —		2⅞	14	2½	2⅞	(8) 0.162 x 3½	(2) 0.148 x 1½	215	2,550	2,140	2,115	2,575	1,665	1,230
BA2.56/14 (Min.)				• —		2⅞	14	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
BA2.56/14 (Max.)				• ✓		2⅞	14	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
WP2.56 H=14				• ✓		2⅞	5⅝ to 30	2½	2⅞	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
HWP2.56 H=14				• ✓		2⅞	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
2½ x 16	ITS2.56/16			• —		2⅞	15⅞	2	1⅞	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT316			• —		2⅞	16	2½	2⅞	(8) 0.162 x 3½	(2) 0.148 x 1½	255	2,550	2,140	2,115	2,575	1,665	1,230
	BA2.56/16 (Min.)			• —		2⅞	16	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.56/16 (Max.)			• ✓		2⅞	16	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.56 H=16			• ✓		2⅞	5⅝ to 30	2½	2⅞	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP2.56 H=16			• ✓		2⅞	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
2½ x 18	MIT318			• —		2⅞	18	2½	2⅞	(8) 0.162 x 3½	(2) 0.148 x 1½	215	2,550	2,140	2,115	2,575	1,665	1,230
	HIT318			• —		2⅞	18	3	2⅞	(10) 0.162 x 3½	(2) 0.148 x 1½	305	2,550	2,220	2,500	2,875	1,950	—
	BA2.56/18 (Min.)			• —		2⅞	18	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.56/18 (Max.)			• ✓		2⅞	18	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.56 H=18			• ✓		2⅞	5⅝ to 30	2½	2⅞	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP2.56 H=18			• ✓		2⅞	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
2½ x 20	MIT320			• —		2⅞	20	2½	2⅞	(8) 0.162 x 3½	(2) 0.148 x 1½	215	2,550	2,140	2,115	2,575	1,665	1,230
	HIT320			• —		2⅞	20	3	2⅞	(10) 0.162 x 3½	(2) 0.148 x 1½	305	2,550	2,220	2,500	2,875	1,950	—
	BA2.56/20 (Min.)			• —		2⅞	20	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.56/20 (Max.)			• ✓		2⅞	20	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.56 H=20			• ✓		2⅞	5⅝ to 30	2½	2⅞	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP2.56 H=20			• ✓		2⅞	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
2½ x 22	HIT322			• ✓		2⅞	22	3	2⅞	(10) 0.162 x 3½	(2) 0.148 x 1½	305	2,550	2,220	2,500	2,875	1,950	—
	BA2.56/22 (Min.)			• —		2⅞	22	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.56/22 (Max.)			• ✓		2⅞	22	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.56 H=22			• ✓		2⅞	5⅝ to 30	2½	2⅞	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
2½ x 24	HWP2.56 H=22			• ✓		2⅞	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
	HIT324			• ✓		2⅞	24	3	2⅞	(10) 0.162 x 3½	(2) 0.148 x 1½	305	2,550	2,220	2,500	2,875	1,950	—
	BA2.56/24 (Min.)			• —		2⅞	24	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.56/24 (Max.)			• ✓		2⅞	24	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.56 H=24			• ✓		2⅞	5⅝ to 30	2½	2⅞	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP2.56 H=24			• ✓		2⅞	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—

I-Joist, Glulam and Structural Composite Lumber Connectors

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See footnotes on p. 194.

# Top-Flange Hangers – I-Joists, Glulam and SCL

I-Joist, Glulam and Structural Composite Lumber Connectors

Actual Joist Size (in.)	Model No.	Joist Types			Dimensions (in.)				Fasteners (in.)		Allowable Loads Header Type							
		Glulam	SCL	I-Joist	Web Stiff Req <sup>7</sup>	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	DF/SCL I-Joist <sup>4</sup>
2 1/2 x 26	BA2.56/26 (Min.)			•	—	2 5/8	26	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.56/26 (Max.)			•	✓	2 5/8	26	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.56 H=26			•	✓	2 5/8	5 5/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
	HB2.56/26			•	✓	2 5/8	26	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 2 1/2	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP2.56 H=26			•	✓	2 5/8	6 to 28	3	2 1/2	(9) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	1,560	3,995	4,500	4,350	3,955	3,955	—
2 1/2 x 28	BA2.56/28 (Min.)			•	—	2 5/8	26	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.56/28 (Max.)			•	✓	2 5/8	26	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP2.56 H=28			•	✓	2 5/8	5 5/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
	HB2.56/28			•	✓	2 5/8	28	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 2 1/2	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP2.56 H=28			•	✓	2 5/8	6 to 28	3	2 1/2	(9) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	1,560	3,995	4,500	4,350	3,955	3,955	—
2 1/2 x 30	WP2.56 H=30			•	✓	2 5/8	5 5/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP2.56 H=30			•	✓	2 5/8	6 to 28	3	2 1/2	(9) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	1,560	3,995	4,500	4,350	3,955	3,955	—
2 5/8 x 9 1/2 to 20	2 5/8" wide joists use the same hangers as 2 1/2"																	
3 1/8 LAM	BA3.25X (Min.)	•			—	3 1/4	7 1/2 to 30	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,205	2,660	1,495
	BA3.25X (Max.)	•			✓	3 1/4	7 1/2 to 30	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB3.25	•			✓	3 1/4	8 to 33	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP3.25	•			✓	3 1/4	5 5/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.25	•			✓	3 1/4	6 to 30	3	2 1/2	(9) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP3.25	•			✓	3 1/4	6 to 32	3 1/4	2 1/2	(12) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,685	6,595	7,025	5,450	5,920	4,740	—
	HGLT3	•			—	3 1/4	7 1/2 to 33	6	2 1/2	(18) N54A	(6) N54A	2,450	—	—	—	10,720	—	—
3 1/2 LAM	BA3.56X (Min.)	•	•		—	3 5/8	7 1/2 to 30	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,205	2,660	1,495
	BA3.56X (Max.)	•	•		✓	3 5/8	7 1/2 to 30	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB3.56	•	•		✓	3 5/8	8 to 33	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP3.56	•	•		✓	3 5/8	5 5/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.56	•	•		✓	3 5/8	6 to 30	3	2 1/2	(9) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP3.56	•	•		✓	3 5/8	6 to 30	3 1/4	2 1/2	(12) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,685	6,595	7,025	5,450	5,920	4,740	—
	HGLT4	•	•		—	3 5/8	7 1/2 to 33	6	2 1/2	(18) N54A	(6) N54A	2,450	—	—	—	10,720	—	—
3 1/2 x 9 1/4	BA3.56/9.25 (Min.)	•	•		—	3 5/8	9 1/4	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,205	2,660	1,495
	BA3.56/9.25 (Max.)	•	•		✓	3 5/8	9 1/4	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB3.56/9.25	•	•		✓	3 5/8	9 1/4	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP3.56 H=9.25	•	•		✓	3 5/8	5 5/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.56 H=9.25	•	•		✓	3 5/8	6 to 28	3	2 1/2	(9) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,535	3,995	4,500	4,350	3,955	3,955	—
3 1/2 x 9 1/2	ITS3.56/9.5	•	•	•	—	3 5/8	9 5/8	2	1 7/8	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT49.5	•	•	•	—	3 5/8	9 1/2	2 1/2	2 5/8	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	—	1,675	1,675	1,675	1,675	1,665	1,230
	BA3.56/9.5 (Min.)	•	•	•	—	3 5/8	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,205	2,660	1,495
	BA3.56/9.5 (Max.)	•	•	•	✓	3 5/8	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB3.56/9.5	•	•	•	✓	3 5/8	9 1/2	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP3.56 H=9.5	•	•	•	✓	3 5/8	5 5/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.56 H=9.5	•	•	•	✓	3 5/8	6 to 28	3	2 1/2	(9) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,535	3,995	4,500	4,350	3,955	3,955	—
3 1/2 x 10 1/2	BA3.56 H=10.5 (Min.)	•	•		—	3 5/8	7 1/2 to 30	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,205	2,660	1,495
	BA3.56 H=10.5 (Max.)	•	•		✓	3 5/8	7 1/2 to 30	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB3.56X	•	•		✓	3 5/8	11 1/4	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP3.56 H=10.5	•	•		✓	3 5/8	5 5/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.56 H=10.5	•	•		✓	3 5/8	6 to 28	3	2 1/2	(9) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,535	3,995	4,500	4,350	3,955	3,955	—
3 1/2 x 11 1/4	BA3.56/11.25 (Min.)	•	•		—	3 5/8	11 1/4	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA3.56/11.25 (Max.)	•	•		✓	3 5/8	11 1/4	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB3.56/11.25	•	•		✓	3 5/8	11 1/4	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP3.56 H=11.25	•	•		✓	3 5/8	5 5/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.56 H=11.25	•	•		✓	3 5/8	6 to 28	3	2 1/2	(9) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,535	3,995	4,500	4,350	3,955	3,955	—

See footnotes on p. 194.

# Top-Flange Hangers – I-Joists, Glulam and SCL

Actual Joist Size (in.)	Model No.	Joist Types				Dimensions (in.)				Fasteners (in.)		Allowable Loads Header Type						
		Glulam	SCL	I-Joist	Web Stiff Req. <sup>7</sup>	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	DF/SCL I-Joist <sup>t</sup>
3½ x 11½	ITS3.56/11.88			• —	—	3⅝	11 13⁄16	2	1 7⁄16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT411.88	• • •	•	—	—	3⅝	11 7⁄8	2½	2 5⁄16	(8) 0.162 x 3 ½	(2) 0.148 x 1 ½	—	1,675	1,675	1,675	1,675	1,665	1,230
	BA3.56/11.88 (Min.)	• • •	•	—	✓	3⅝	11 7⁄8	3	2 ½	(16) 0.162 x 3 ½	(2) 0.148 x 1 ½	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA3.56/11.88 (Max.)	• • •	•	—	✓	3⅝	11 7⁄8	3	2 ½	(16) 0.162 x 3 ½	(8) 0.148 x 1 ½	255	4,015	3,705	4,005	3,780	3,095	1,495
	HB3.56/11.88	• • •	•	—	✓	3⅝	11 7⁄8	3 ½	3	(22) 0.162 x 3 ½	(10) 0.162 x 3 ½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP3.56 H=11.875	• • •	•	—	✓	3⅝	5 5⁄8 to 30	2 ½	2 3⁄16	(4) 0.162 x 2 ½	(2) 0.148 x 1 ½	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP3.56 H=11.875	• • •	•	—	✓	3⅝	6 to 28	3	2 ½	(9) 0.162 x 3 ½	(10) 0.148 x 1 ½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.56 H=11.875	• • •	•	—	✓	3⅝	6 to 32	3 ¼	2 ½	(12) 0.162 x 3 ½	(10) 0.148 x 1 ½	1,535	3,995	4,500	4,350	3,955	3,955	—
	HGLT4 H=11.875	•		—	—	3⅝	7 ½ to 33	6	2 ½	(18) N54A	(6) N54A	1,685	6,595	7,025	5,450	5,920	4,740	—
HGLTV3.511	• • •	•	—	✓	3⅝	11 7⁄8	6	2 7⁄8	(18) 0.162 x 3 ½	(6) 0.162 x 3 ½	2,450	—	—	—	10,720	—	—	
3½ x 14	ITS3.56/14			• —	—	3⅝	13 13⁄16	2	1 7⁄16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT414	• • •	•	—	—	3⅝	14	2 ½	2 5⁄16	(8) 0.162 x 3 ½	(2) 0.148 x 1 ½	—	1,675	1,675	1,675	1,675	1,665	1,230
	BA3.56/14 (Min.)	• • •	•	—	✓	3⅝	14	3	2 ½	(16) 0.162 x 3 ½	(2) 0.148 x 1 ½	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA3.56/14 (Max.)	• • •	•	—	✓	3⅝	14	3	2 ½	(16) 0.162 x 3 ½	(8) 0.148 x 1 ½	255	4,015	3,705	4,005	3,780	3,095	1,495
	HB3.56/14	• • •	•	—	✓	3⅝	14	3 ½	3	(22) 0.162 x 3 ½	(10) 0.162 x 3 ½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP3.56 H=14	• • •	•	—	✓	3⅝	5 5⁄8 to 30	2 ½	2 3⁄16	(4) 0.162 x 2 ½	(2) 0.148 x 1 ½	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP3.56 H=14	• • •	•	—	✓	3⅝	6 to 28	3	2 ½	(9) 0.162 x 3 ½	(10) 0.148 x 1 ½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.56 H=14	• • •	•	—	✓	3⅝	6 to 32	3 ¼	2 ½	(12) 0.162 x 3 ½	(10) 0.148 x 1 ½	1,535	3,995	4,500	4,350	3,955	3,955	—
	HGLT4 H=14	•		—	—	3⅝	7 ½ to 33	6	2 ½	(18) N54A	(6) N54A	1,685	6,595	7,025	5,450	5,920	4,740	—
HGLTV3.514	• • •	•	—	✓	3⅝	14	6	2 7⁄8	(18) 0.162 x 3 ½	(6) 0.162 x 3 ½	2,450	—	—	—	10,720	—	—	
3½ x 16	ITS3.56/16			• —	—	3⅝	15 13⁄16	2	1 7⁄16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT416	• • •	•	—	—	3⅝	16	2 ½	2 5⁄16	(8) 0.162 x 3 ½	(2) 0.148 x 1 ½	—	1,675	1,675	1,675	1,675	1,665	1,230
	BA3.56/16 (Min.)	• • •	•	—	✓	3⅝	16	3	2 ½	(16) 0.162 x 3 ½	(2) 0.148 x 1 ½	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA3.56/16 (Max.)	• • •	•	—	✓	3⅝	16	3	2 ½	(16) 0.162 x 3 ½	(8) 0.148 x 1 ½	255	4,015	3,705	4,005	3,780	3,095	1,495
	HB3.56/16	• • •	•	—	✓	3⅝	16	3 ½	3	(22) 0.162 x 3 ½	(10) 0.162 x 3 ½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP3.56 H=16	• • •	•	—	✓	3⅝	5 5⁄8 to 30	2 ½	2 3⁄16	(4) 0.162 x 2 ½	(2) 0.148 x 1 ½	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP3.56 H=16	• • •	•	—	✓	3⅝	6 to 28	3	2 ½	(9) 0.162 x 3 ½	(12) 0.148 x 1 ½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.56 H=16	• • •	•	—	✓	3⅝	6 to 32	3 ¼	2 ½	(12) 0.162 x 3 ½	(12) 0.148 x 1 ½	1,560	3,995	4,500	4,350	3,955	3,955	—
	HGLT4 H=16	•		—	—	3⅝	7 ½ to 33	6	2 ½	(18) N54A	(6) N54A	2,075	6,595	7,025	5,450	5,920	4,740	—
HGLTV3.516	• • •	•	—	✓	3⅝	16	6	2 7⁄8	(18) 0.162 x 3 ½	(6) 0.162 x 3 ½	2,450	—	—	—	10,720	—	—	
3½ x 18	MIT418	• • •	•	—	—	3⅝	18	2 ½	2 5⁄16	(8) 0.162 x 3 ½	(2) 0.148 x 1 ½	—	1,675	1,675	1,675	1,675	1,665	1,230
	HIT418	• • •	•	—	✓	3⅝	18	3	2 5⁄16	(10) 0.162 x 3 ½	(2) 0.148 x 1 ½	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA3.56/18 (Min.)	• • •	•	—	✓	3⅝	18	3	2 ½	(16) 0.162 x 3 ½	(2) 0.148 x 1 ½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA3.56/18 (Max.)	• • •	•	—	✓	3⅝	18	3	2 ½	(16) 0.162 x 3 ½	(8) 0.148 x 1 ½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB3.56/18	• • •	•	—	✓	3⅝	18	3 ½	3	(22) 0.162 x 3 ½	(10) 0.162 x 3 ½	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP3.56 H=18	• • •	•	—	✓	3⅝	5 5⁄8 to 30	2 ½	2 3⁄16	(4) 0.162 x 2 ½	(2) 0.148 x 1 ½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.56 H=18	• • •	•	—	✓	3⅝	6 to 28	3	2 ½	(9) 0.162 x 3 ½	(12) 0.148 x 1 ½	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP3.56 H=18	• • •	•	—	✓	3⅝	6 to 32	3 ¼	2 ½	(12) 0.162 x 3 ½	(12) 0.148 x 1 ½	2,075	6,595	7,025	5,450	5,920	4,740	—
	HGLT4 H=18	•		—	—	3⅝	7 ½ to 33	6	2 ½	(18) N54A	(6) N54A	2,450	—	—	—	10,720	—	—
HGLTV3.518	• • •	•	—	✓	3⅝	18	6	2 7⁄8	(18) 0.162 x 3 ½	(6) 0.162 x 3 ½	1,120	10,585	9,485	9,500	7,805	6,770	—	
3½ x 20	MIT420	• • •	•	—	—	3⅝	20	2 ½	2 5⁄16	(8) 0.162 x 3 ½	(2) 0.148 x 1 ½	—	1,675	1,675	1,675	1,675	1,665	1,230
	HIT420	• • •	•	—	✓	3⅝	20	3	2 5⁄16	(10) 0.162 x 3 ½	(2) 0.148 x 1 ½	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA3.56/20 (Min.)	• • •	•	—	✓	3⅝	20	3	2 ½	(16) 0.162 x 3 ½	(2) 0.148 x 1 ½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA3.56/20 (Max.)	• • •	•	—	✓	3⅝	20	3	2 ½	(16) 0.162 x 3 ½	(8) 0.148 x 1 ½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB3.56/20	• • •	•	—	✓	3⅝	20	3 ½	3	(22) 0.162 x 3 ½	(10) 0.162 x 3 ½	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP3.56 H=20	• • •	•	—	✓	3⅝	5 5⁄8 to 30	2 ½	2 3⁄16	(4) 0.162 x 2 ½	(2) 0.148 x 1 ½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.56 H=20	• • •	•	—	✓	3⅝	6 to 28	3	2 ½	(9) 0.162 x 3 ½	(12) 0.148 x 1 ½	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP3.56 H=20	• • •	•	—	✓	3⅝	6 to 32	3 ¼	2 ½	(12) 0.162 x 3 ½	(12) 0.148 x 1 ½	2,075	6,595	7,025	5,450	5,920	4,740	—
	HGLTV4 H=20	• • •	•	—	✓	3⅝	7 ½ to 33	6	2 7⁄8	(18) 0.162 x 3 ½	(6) 0.162 x 3 ½	1,120	10,585	9,485	9,500	7,805	6,770	—

I-Joist, Glulam and Structural Composite Lumber Connectors

See footnotes on p. 194.



# Top-Flange Hangers – I-Joists, Glulam and SCL

I-Joist, Glulam and Structural Composite Lumber Connectors

Actual Joist Size (in.)	Model No.	Joist Types			Dimensions (in.)				Fasteners (in.)		Allowable Loads Header Type						
		Glulam	SCL	I-Joist	Web Stiff Req <sup>7</sup>	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF
3 1/2 x 22	HIT422	•	•	—	3 3/8	22	3	2 3/8	(10) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	305	2,550	2,220	2,500	2,875	1,950	—
	BA3.56/22 (Min.)	•	•	—	3 3/8	22	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA3.56/22 (Max.)	•	•	✓	3 3/8	22	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB3.56/22	•	•	✓	3 3/8	22	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP3.56 H=22	•	•	✓	3 3/8	5 3/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.56 H=22	•	•	✓	3 3/8	6 to 28	3	2 1/2	(9) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP3.56 H=22	•	•	✓	3 3/8	6 to 32	3 1/4	2 1/2	(12) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	2,075	6,595	7,025	5,450	5,920	4,740	—
HGLTV4 H=22	•	•	✓	3 3/8	7 1/2 to 33	6	2 7/8	(18) 0.162 x 3 1/2	(6) 0.162 x 3 1/2	1,120	10,585	9,485	9,500	7,805	6,770	—	
3 1/2 x 24	HIT424	•	•	—	3 3/8	24	3	2 3/8	(10) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	305	2,550	2,220	2,500	2,875	1,950	—
	BA3.56/24 (Min.)	•	•	—	3 3/8	24	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA3.56/24 (Max.)	•	•	✓	3 3/8	24	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB3.56/24	•	•	✓	3 3/8	24	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP3.56 H=24	•	•	✓	3 3/8	5 3/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.56 H=24	•	•	✓	3 3/8	6 to 28	3	2 1/2	(9) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP3.56 H=24	•	•	✓	3 3/8	6 to 32	3 1/4	2 1/2	(12) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	2,075	6,595	7,025	5,450	5,920	4,740	—
HGLTV4 H=24	•	•	✓	3 3/8	7 1/2 to 33	6	2 7/8	(18) 0.162 x 3 1/2	(6) 0.162 x 3 1/2	1,120	10,585	9,485	9,500	7,805	6,770	—	
3 1/2 x 26	BA3.56/26 (Min.)	•	•	—	3 3/8	26	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA3.56/26 (Max.)	•	•	✓	3 3/8	26	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB3.56/26	•	•	✓	3 3/8	26	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP3.56 H=26	•	•	✓	3 3/8	5 3/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.56 H=26	•	•	✓	3 3/8	6 to 28	3	2 1/2	(9) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP3.56 H=26	•	•	✓	3 3/8	6 to 32	3 1/4	2 1/2	(12) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	2,075	6,595	7,025	5,450	5,920	4,740	—
	HGLTV4 H=26	•	•	✓	3 3/8	7 1/2 to 33	6	2 7/8	(18) 0.162 x 3 1/2	(6) 0.162 x 3 1/2	1,120	10,585	9,485	9,500	7,805	6,770	—
3 1/2 x 28	BA3.56/28 (Min.)	•	•	—	3 3/8	28	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA3.56/28 (Max.)	•	•	✓	3 3/8	28	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB3.56/28	•	•	✓	3 3/8	28	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP3.56 H=28	•	•	✓	3 3/8	5 3/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.56 H=28	•	•	✓	3 3/8	6 to 28	3	2 1/2	(9) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP3.56 H=28	•	•	✓	3 3/8	6 to 32	3 1/4	2 1/2	(12) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	2,075	6,595	7,025	5,450	5,920	4,740	—
	HGLTV4 H=28	•	•	✓	3 3/8	7 1/2 to 33	6	2 7/8	(18) 0.162 x 3 1/2	(6) 0.162 x 3 1/2	1,120	10,585	9,485	9,500	7,805	6,770	—
3 1/2 x 30	BA3.56/30 (Min.)	•	•	—	3 3/8	30	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA3.56/30 (Max.)	•	•	✓	3 3/8	30	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB3.56/30	•	•	✓	3 3/8	30	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP3.56 H=30	•	•	✓	3 3/8	5 3/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP3.56 H=30	•	•	✓	3 3/8	6 to 28	3	2 1/2	(9) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP3.56 H=30	•	•	✓	3 3/8	6 to 32	3 1/4	2 1/2	(12) 0.162 x 3 1/2	(12) 0.148 x 1 1/2	2,075	6,595	7,025	5,450	5,920	4,740	—
	HGLTV4 H=30	•	•	✓	3 3/8	7 1/2 to 33	6	2 7/8	(18) 0.162 x 3 1/2	(6) 0.162 x 3 1/2	1,120	10,585	9,485	9,500	7,805	6,770	—
Double 2 x 9 1/2	MIT4.12/9.5	•	•	—	4 1/8	9 1/2	2 1/2	2 3/8	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	—	1,675	1,675	1,675	1,675	1,665	1,230
	BA4.12/9.5 (Min.)	•	•	—	4 1/8	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	2,980	2,660	1,495
	BA4.12/9.5 (Max.)	•	•	✓	4 1/8	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP4.12 H=9.5	•	•	✓	4 1/8	5 3/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2 x 11 3/8	MIT4.12/11.88	•	•	—	4 1/8	11 3/8	2 1/2	2 3/8	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	—	1,675	1,675	1,675	1,675	1,665	1,230
	BA4.12/11.88 (Min.)	•	•	—	4 1/8	11 3/8	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA4.12/11.88 (Max.)	•	•	✓	4 1/8	11 3/8	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP4.12 H=11.875	•	•	✓	4 1/8	5 3/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2 x 14	BA4.12/14 (Min.)	•	•	—	4 1/8	14	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA4.12/14 (Max.)	•	•	✓	4 1/8	14	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP4.12 H=14	•	•	✓	4 1/8	5 3/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2 x 16	BA4.12/16 (Min.)	•	•	—	4 1/8	16	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	2,665	1,495
	BA4.12/16 (Max.)	•	•	✓	4 1/8	16	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP4.12 H=16	•	•	✓	4 1/8	5 3/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2 1/8 x 9 1/2	MIT4.28/9.5	•	•	—	4 3/8	9 1/2	2 1/2	2 3/8	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	—	1,675	1,675	1,675	1,675	1,665	1,230
	BA4.28/9.5 (Min.)	•	•	—	4 3/8	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	2,980	2,660	1,495
	BA4.28/9.5 (Max.)	•	•	✓	4 3/8	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP4.28X H=9.5	•	•	✓	4 3/8	5 3/8 to 30	2 1/2	2 3/8	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030

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See footnotes on p. 194.

# Top-Flange Hangers – I-Joists, Glulam and SCL

Actual Joist Size (in.)	Model No.	Joist Types				Dimensions (in.)				Fasteners (in.)		Allowable Loads Header Type						
		Glulam	SCL	I-Joist	Web Stiff Req. <sup>7</sup>	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	DF/SCL I-Joist <sup>4</sup>
Double 2 1/16 x 11 7/8	MIT4.28/11.88			—	✓	4 9/32	11 7/8	2 1/2	2 5/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	—	1,675	1,675	1,675	1,675	1,665	1,230
	BA4.28/11.88 (Min.)			—	✓	4 9/32	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA4.28/11.88 (Max.)			✓	✓	4 9/32	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP4.28X H=11.875			✓	✓	4 9/32	5 3/8 to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2 1/16 x 14	MIT4.28/14			—	✓	4 9/32	14	2 1/2	2 5/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	—	1,675	1,675	1,675	1,675	1,665	1,230
	BA4.28/14 (Min.)			—	✓	4 9/32	14	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA4.28/14 (Max.)			✓	✓	4 9/32	14	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP4.28X H=14			✓	✓	4 9/32	5 3/8 to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2 1/16 x 16	BA4.28/16 (Min.)			—	✓	4 9/32	16	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA4.28/16 (Max.)			✓	✓	4 9/32	16	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP4.28X H=16			✓	✓	4 9/32	5 3/8 to 30	2 1/2	2 3/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2 1/4 x 9 1/2 to 20	Double 2 1/4"-wide joists use the same hangers as double 2 5/16"-wide joists with the following loads adjustments: MIT downloads are the lesser of the table load or 2,140 lb.																	
Double 2 5/16 x 9 1/2	MIT359.5-2			—	✓	4 3/4	9 1/2	2 1/2	2 5/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	—	1,675	1,675	1,675	1,675	1,665	1,230
	BA4.75/9.5 (Min.)			—	✓	4 3/4	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	2,980	2,660	1,495
	BA4.75/9.5 (Max.)			✓	✓	4 3/4	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP4.75 H=9.5			✓	✓	4 3/4	5 3/8 to 30	2 1/2	2 5/16	(4) 0.162 x 2 1/2	(2) 0.148 x 3	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2 5/16 x 11 7/8	MIT3511.88-2			—	✓	4 3/4	11 7/8	2 1/2	2 5/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	—	1,675	1,675	1,675	1,675	1,665	1,230
	BA4.75/11.88 (Min.)			—	✓	4 3/4	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA4.75/11.88 (Max.)			✓	✓	4 3/4	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP4.75 H=11.875			✓	✓	4 3/4	5 3/8 to 30	2 1/2	2 5/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2 5/16 x 14	MIT3514-2			—	✓	4 3/4	14	2 1/2	2 5/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	—	1,675	1,675	1,675	1,675	1,665	1,230
	BA4.75/14 (Min.)			—	✓	4 3/4	14	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA4.75/14 (Max.)			✓	✓	4 3/4	14	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP4.75 H=14			✓	✓	4 3/4	5 3/8 to 30	2 1/2	2 5/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2 5/16 x 16	MIT4.75/16			—	✓	4 3/4	16	2 1/2	2 5/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	—	1,675	1,675	1,675	1,675	1,665	1,230
	BA4.75/16 (Min.)			—	✓	4 3/4	16	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA4.75/16 (Max.)			✓	✓	4 3/4	16	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP4.75 H=16			✓	✓	4 3/4	5 3/8 to 30	2 1/2	2 5/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2 5/16 x 18	BA4.75/18 (Min.)			—	✓	4 3/4	18	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA4.75/18 (Max.)			✓	✓	4 3/4	18	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP4.75 H=18			✓	✓	4 3/4	5 3/8 to 30	2 1/2	2 5/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2 5/16 x 20	BA4.75/20 (Min.)			—	✓	4 3/4	18	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA4.75/20 (Max.)			✓	✓	4 3/4	18	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP4.75 H=20			✓	✓	4 3/4	5 3/8 to 30	2 1/2	2 5/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2 1/2 x 9 1/4	BA5.12 H=9.25 (Min.)			—	✓	5 1/8	9 1/4	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,205	2,660	1,495
	BA5.12 H=9.25 (Max.)			✓	✓	5 1/8	9 1/4	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP5.12 H=9.25			✓	✓	5 1/8	5 3/8 to 30	2 1/2	2 5/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2 1/2 x 9 1/2	MIT39.5-2			—	✓	5 1/8	9 1/2	2 1/2	2 5/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	—	1,675	1,675	1,675	1,675	1,665	1,230
	BA5.12/9.5 (Min.)			—	✓	5 1/8	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,205	2,660	1,495
	BA5.12/9.5 (Max.)			✓	✓	5 1/8	9 1/2	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	WP5.12 H=9.5			✓	✓	5 1/8	5 3/8 to 30	2 1/2	2 5/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2 1/2 x 11 7/8	MIT311.88-2			—	✓	5 1/8	11 7/8	2 1/2	2 5/16	(8) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	—	1,675	1,675	1,675	1,675	1,665	1,230
	BA5.12/11.88 (Min.)			—	✓	5 1/8	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA5.12/11.88 (Max.)			✓	✓	5 1/8	11 7/8	3	2 1/2	(16) 0.162 x 3 1/2	(8) 0.148 x 1 1/2	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB5.12/11.88			✓	✓	5 1/8	11 7/8	3 1/2	3	(22) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP5.12 H=11.875			✓	✓	5 1/8	5 3/8 to 30	2 1/2	2 5/16	(4) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	—	3,095	3,605	3,605	2,985	2,230	2,030

I-Joist, Glulam and Structural Composite Lumber Connectors



# Top-Flange Hangers – I-Joists, Glulam and SCL

I-Joist, Glulam and Structural Composite Lumber Connectors

Actual Joist Size (in.)	Model No.	Joist Types			Dimensions (in.)				Fasteners (in.)		Allowable Loads Header Type						
		Glulam	SCL	I-Joist Web Stiff Req <sup>d.7</sup>	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	DF/SCL I-Joist <sup>t</sup>
Double 2½ x 14	MIT314-2			• — ✓	5½	14	2½	2¾	(8) 0.162 x 3½	(2) 0.148 x 1½	— 215	1,675 2,550	1,675 2,140	1,675 2,115	1,675 2,575	1,665 1,665	1,230 1,230
	BA5.12/14 (Min.)			• —	5½	14	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA5.12/14 (Max.)			• ✓	5½	14	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB5.12/14			• ✓	5½	14	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP5.12 H=14			• ✓	5½	5¾ to 30	2½	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
Double 2½ x 16	MIT5.12/16			• — ✓	5½	16	2½	2¾	(8) 0.162 x 3½	(2) 0.148 x 1½	— 215	1,675 2,550	1,675 2,140	1,675 2,115	1,675 2,575	1,665 1,665	1,230 1,230
	BA5.12/16 (Min.)			• —	5½	16	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA5.12/16 (Max.)			• ✓	5½	16	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB5.12/16			• ✓	5½	16	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP5.12 H=16			• ✓	5½	5¾ to 30	2½	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP5.12 H=16			• ✓	5½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
Double 2½ x 18	BA5.12/18 (Min.)			• —	5½	18	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA5.12/18 (Max.)			• ✓	5½	18	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB5.12/18			• ✓	5½	18	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP5.12 H=18			• ✓	5½	5¾ to 30	2½	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP5.12 H=18			• ✓	5½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
Double 2½ x 20	BA5.12/20 (Min.)			• —	5½	20	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA5.12/20 (Max.)			• ✓	5½	20	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB5.12/20			• ✓	5½	20	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP5.12 H=20			• ✓	5½	5¾ to 30	2½	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP5.12 H=20			• ✓	5½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
Double 2½ x 22	BA5.12/22 (Min.)			• —	5½	22	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA5.12/22 (Max.)			• ✓	5½	22	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB5.12/22			• ✓	5½	22	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP5.12 H=22			• ✓	5½	5¾ to 30	2½	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP5.12 H=22			• ✓	5½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
Double 2½ x 24	BA5.12/24 (Min.)			• —	5½	24	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA5.12/24 (Max.)			• ✓	5½	24	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB5.12/24			• ✓	5½	24	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP5.12X H=24			• ✓	5½	5¾ to 30	2½	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP5.12 H=24			• ✓	5½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
Double 2½ x 26	BA5.12/26 (Max.)			• ✓	5½	26	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,720	4,005	1,495
	HB5.12/26			• ✓	5½	26	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP5.12 H=26			• ✓	5½	5¾ to 30	2½	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP5.12 H=26			• ✓	5½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP5.12 H=28			• ✓	5½	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—
Double 2½ x 28	HB5.12/28			• ✓	5½	28	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	WP5.12 H=28			• ✓	5½	5¾ to 30	2½	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP5.12 H=28			• ✓	5½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP5.12 H=30			• ✓	5½	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—
Double 2½ x 30	WP5.12 H=30			• ✓	5½	5¾ to 30	2½	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
	HWP5.12 H=30			• ✓	5½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP5.12 H=30			• ✓	5½	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—
	HWP5.12 H=30			• ✓	5½	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—
5½ LAM	HB5.25	•	•	• ✓	5¼	8 to 33	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP5.25	•	•	• ✓	5¼	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP5.25	•	•	• ✓	5¼	6 to 28	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—
	HGLTV5	•	•		5¼	7½ to 32½	6	2¾	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—
	HGLT5	•			5¼	7½ to 32½	6	2½	(18) N54A	(6) N54A	2,450	—	—	—	10,720	—	—
	HGLS5	•			5¼	7½ to 32½	6	SPEC	(28) N54A	(16) N54A	2,265	—	—	—	13,850	—	—
	EGQ5.25-SDS	•			5¼	11¼ to 32	6	3	(28) ¼ x 3 SDS	(12) ¼ x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—

See footnotes on p. 194.

# Top-Flange Hangers – I-Joists, Glulam and SCL

Actual Joist Size (in.)	Model No.	Joist Types				Dimensions (in.)				Fasteners (in.)		Allowable Loads Header Type						
		Glulam	SCL	I-Joist	Web Stiff Req.⁷	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	DF/SCL I-Joist⁴
5¼ x 9¼	HB5.50/9.25	•	•	✓	5½	9¼	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—	
	HWP5.37 H=9.25	•	•	✓	5⅝	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—	
	HWP5.37 H=9.25	•	•	✓	5⅝	6 to 32	3¼	2½	(12) 0.162 x 3½	(10) 0.148 x 1½	1,685	6,595	7,025	5,450	5,920	4,740	—	
	HGLTV5.37 H=9.25	•	•	✓	5⅝	7½ to 32½	6	2⅞	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—	
5¼ x 9½	HB5.50/9.5	•	•	✓	5½	9½	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—	
	HWP5.37 H=9.5	•	•	✓	5⅝	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—	
	HWP5.37 H=9.5	•	•	✓	5⅝	6 to 32	3¼	2½	(12) 0.162 x 3½	(10) 0.148 x 1½	1,685	6,595	7,025	5,450	5,920	4,740	—	
	HGLTV5.37 H=9.5	•	•	✓	5⅝	7½ to 32½	6	2⅞	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—	
5¼ x 11¼	HB5.50/11.25	•	•	✓	5½	11¼	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—	
	HWP5.37 H=11.25	•	•	✓	5⅝	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—	
	HWP5.37 H=11.25	•	•	✓	5⅝	6 to 32	3¼	2½	(12) 0.162 x 3½	(10) 0.148 x 1½	1,685	6,595	7,025	5,450	5,920	4,740	—	
	HGLTV5.37 H=11.25	•	•	✓	5⅝	7½ to 32½	6	2⅞	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—	
5¼ x 11⅞	HB5.50/11.88	•	•	✓	5½	11⅞	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—	
	HWP5.37 H=11.875	•	•	✓	5⅝	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—	
	HWP5.37 H=11.875	•	•	✓	5⅝	6 to 32	3¼	2½	(12) 0.162 x 3½	(10) 0.148 x 1½	1,685	6,595	7,025	5,450	5,920	4,740	—	
	HGLTV5.37 H=11.875	•	•	✓	5⅝	7½ to 32½	6	2⅞	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—	
	EGQ5.37-SDS H=11.875	•	•	✓	5⅝	11¼ to 32	6	3	(28) ¼ x 3 SDS	(12) ¼ x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—	
5¼ x 14	HB5.50/14	•	•	✓	5½	14	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—	
	HWP5.37 H=14	•	•	✓	5⅝	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,535	3,995	4,500	4,350	3,955	3,955	—	
	HWP5.37 H=14	•	•	✓	5⅝	6 to 32	3¼	2½	(12) 0.162 x 3½	(10) 0.148 x 1½	1,685	6,595	7,025	5,450	5,920	4,740	—	
	HGLTV5.37 H=14	•	•	✓	5⅝	7½ to 32½	6	2⅞	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—	
	EGQ5.37-SDS H=14	•	•	✓	5⅝	11¼ to 32	6	3	(28) ¼ x 3 SDS	(12) ¼ x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—	
5¼ x 16	HB5.50/16	•	•	✓	5½	16	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—	
	HWP5.37 H=16	•	•	✓	5⅝	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—	
	HWP5.37 H=16	•	•	✓	5⅝	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—	
	HGLTV5.37 H=16	•	•	✓	5⅝	7½ to 32½	6	2⅞	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—	
	EGQ5.37-SDS H=16	•	•	✓	5⅝	11¼ to 32	6	3	(28) ¼ x 3 SDS	(12) ¼ x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—	
5¼ x 18	HB5.50/18	•	•	✓	5½	18	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—	
	HWP5.37 H=18	•	•	✓	5⅝	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—	
	HGLTV5.37 H=18	•	•	✓	5⅝	7½ to 32½	6	2⅞	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—	
	EGQ5.37-SDS H=18	•	•	✓	5⅝	11¼ to 32	6	3	(28) ¼ x 3 SDS	(12) ¼ x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—	
5¼ x 20	HB5.50/20	•	•	✓	5½	20	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—	
	HWP5.37 H=20	•	•	✓	5⅝	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—	
	HGLTV5.37 H=20	•	•	✓	5⅝	7½ to 32½	6	2⅞	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—	
	EGQ5.37-SDS H=20	•	•	✓	5⅝	11¼ to 32	6	3	(28) ¼ x 3 SDS	(12) ¼ x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—	
5¼ x 22	HWP5.37 H=22	•	•	✓	5⅝	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—	
	HGLTV5.37X H=22	•	•	✓	5⅝	7½ to 32½	6	2⅞	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—	
	EGQ5.37-SDS H=22	•	•	✓	5⅝	4 to 30	6	3	(28) ¼ x 3 SDS	(12) ¼ x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—	
5¼ x 24	HWP5.37 H=24	•	•	✓	5⅝	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—	
	HGLTV5.37X H=24	•	•	✓	5⅝	7½ to 32½	6	2⅞	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—	
	EGQ5.37-SDS H=24	•	•	✓	5⅝	11¼ to 32	6	3	(28) ¼ x 3 SDS	(12) ¼ x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—	
5½ LAM	HB5.50X	•	•	✓	5½	8 to 33	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—	
	HWP5.62	•	•	✓	5⅝	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—	
	HWP5.62	•	•	✓	5⅝	6 to 28	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—	
	HGLTV6	•	•	✓	5⅝	7½ to 32	6	2⅞	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—	
	HGLTV6	•	•	—	5⅝	7½ to 32	6	2½	(18) N54A	(6) N54A	2,450	—	—	—	10,720	—	—	
	EGQ5.62-SDS	•	•	✓	5⅝	11¼ to 32	6	3	(28) ¼ x 3 SDS	(12) ¼ x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—	
6¾ LAM	HB6.88X	•	•	✓	6⅞	8 to 33	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—	
	HWP6.88	•	•	✓	6⅞	6 to 28	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—	
	HGLTV7	•	•	✓	6⅞	7½ to 31½	6	2⅞	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—	
	HGLTV7	•	•	—	6⅞	7½ to 32	6	2½	(18) N54A	(6) N54A	2,450	—	—	—	10,720	—	—	
	HGLS7	•	•	✓	6⅞	7½ to 32½	6	SPEC	(28) N54A	(16) N54A	2,265	—	—	—	13,850	—	—	
	EGQ6.88-SDS	•	•	✓	6⅞	11¼ to 32	6	3	(28) ¼ x 3 SDS	(12) ¼ x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—	

See footnotes on p. 194.

# Top-Flange Hangers – I-Joists, Glulam and SCL

I-Joist, Glulam and Structural Composite Lumber Connectors

Actual Joist Size (in.)	Model No.	Joist Types			Dimensions (in.)				Fasteners (in.)		Allowable Loads Header Type						
		Glulam	SCL	I-Joist Web Stiff Req. <sup>7</sup>	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	DF/SCL I-Joist <sup>t</sup>
7x SCL	HB7.12X		•	✓	7½	8 to 33	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP7.12		•	✓	7½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
	<b>HWP7.12</b>		•	✓	7½	6 to 28	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—
	<b>HGLTV7.12</b>		•	✓	7½	7½ to 31½	6	2¾	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—
	EGQ7.25-SDS		•			7½	11¼ to 32	6	3	(28) ¼ x 3 SDS	(12) ¼ x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915
Double 3½ x 9½	HB7.12/9.5		•	✓	7½	9½	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP7.12 H=9.5		•	✓	7½	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
Double 3½ x 11¾	HB7.12/11.88		•	✓	7½	11¾	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP7.12 H=11.875		•	✓	7½	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
Double 3½ x 14	HB7.12/14		•	✓	7½	14	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP7.12 H=14		•	✓	7½	6 to 28	3	2½	(9) 0.162 x 3½	(10) 0.148 x 1½	1,535	3,995	4,500	4,350	3,955	3,955	—
Double 3½ x 16	HB7.12/16		•	✓	7½	16	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP7.12 H=16		•	✓	7½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
Double 3½ x 18	HB7.12/18		•	✓	7½	18	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP7.12 H=18		•	✓	7½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP7.12 H=18		•	✓	7½	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—
Double 3½ x 20	HB7.12/20		•	✓	7½	20	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP7.12 H=20		•	✓	7½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP7.12 H=20		•	✓	7½	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—
Double 3½ x 22	HB7.12/22		•	✓	7½	22	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP7.12 H=22		•	✓	7½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP7.12 H=22		•	✓	7½	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—
	HGLTV7.12/22		•	✓	7½	22	6	2¾	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—
Double 3½ x 24	HB7.12/24		•	✓	7½	24	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP7.12 H=24		•	✓	7½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP7.12 H=24		•	✓	7½	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—
	HGLTV7.12/24		•	✓	7½	24	6	2¾	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—
Double 3½ x 26	HB7.12/26		•	✓	7½	26	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP7.12 H=26		•	✓	7½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP7.12 H=26		•	✓	7½	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—
	HGLTV426-2		•	✓	7½	26	6	2¾	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—
Double 3½ x 28	HB7.12/28		•	✓	7½	28	3½	3	(22) 0.162 x 3½	(10) 0.162 x 3½	2,075	5,815	5,640	6,395	5,395	3,820	—
	HWP7.12 H=28		•	✓	7½	6 to 28	3	2½	(9) 0.162 x 3½	(12) 0.148 x 1½	1,560	3,995	4,500	4,350	3,955	3,955	—
	HWP7.12 H=28		•	✓	7½	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—
	HGLTV428-2		•	✓	7½	28	6	2¾	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—
Double 3½ x 30	HWP7.12 H=30		•	✓	7½	6 to 32	3¼	2½	(12) 0.162 x 3½	(12) 0.148 x 1½	2,075	6,595	7,025	5,450	5,920	4,740	—
	HGLTV430-2		•	✓	7½	30	6	2¾	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—
8¾ LAM	HGLT9	•			8¾	7½ to 30½	6	2½	(18) N54A	(6) N54A	2,450	—	—	—	10,720	—	—
	HGLS9	•			8¾	7½ to 30½	6	SPEC	(28) N54A	(16) N54A	2,265	—	—	—	13,850	—	—

1. Loads may not be increased for duration of load.
2. Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.
3. Uplift loads are based on DF/SP lumber. For SPF/HF, use 0.86 x DF/SP uplift load.
4. When an I-joist is used as header, all nails must be 0.148" x 1½", and allowable loads assume flanges that are at least 1½" thick and made of Douglas fir, LVL, or LSL. For other flange thicknesses, apply load adjustment factors found in the table below.
5. Hangers sorted in order of recommended selection for best overall performance and installation value.
6. Other nail schedules and loads are listed on product pages.
7. Web stiffeners are required where noted, when hanger is sloped or skewed, and when it supports double I-joists with flanges less than 1¾" thick in hangers that are 14 gauge and thinner.
8. HGLS saddle hanger allowable loads are for each stirrup. Joist fasteners listed are for one side only. Fasteners are provided for both sides of the saddle.
9. **Fasteners:** Nail dimensions are listed diameter by length. SDS screws are Simpson Strong-Tie Strong-Drive® SDS Heavy-Duty Connector screws. See pp. 23–24 for fastener information.

I-Joist Header Load Adjustment Factors					
Flange Material or Thickness	Hanger Series				
	ITS	MIT	LBV	WP	BA
1½" to 1¼"	0.75	0.75	0.75	0.75	0.75
1¾" to 1½"	0.85	0.85	0.85	0.85	0.85
SPF	0.86	0.72	0.90	1.00	1.00

