

# WP/HWP/HWPH/WMU

## Purlin Top-Flange Hangers

The WP, HWP and HWPH series purlin hangers offer the greatest design flexibility and versatility. WMUs are designed for use on standard 8"-grouted masonry block wall construction. See pp. 240–241 for more information.

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. 18, 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. 97.
- 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.
- HWPH is available in a Type B configuration for skews up to 84 degrees.
- 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).
- Uplift loads are not available for open/closed TF, TF sloped and offset options.

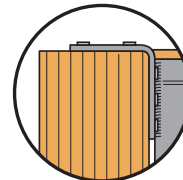
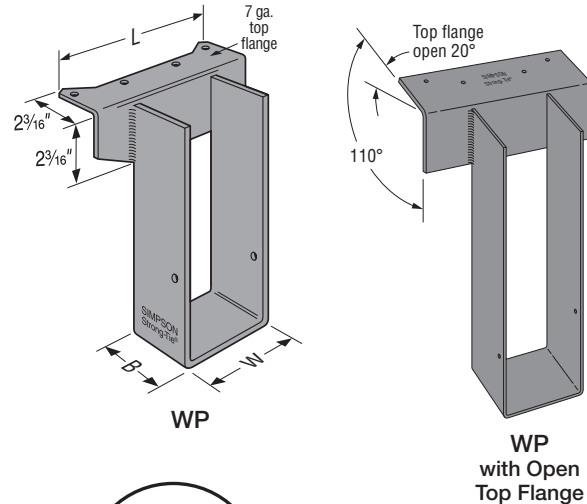
### Ridge Hanger (only available for WP)

- 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.

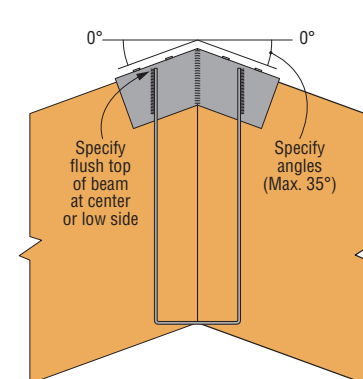
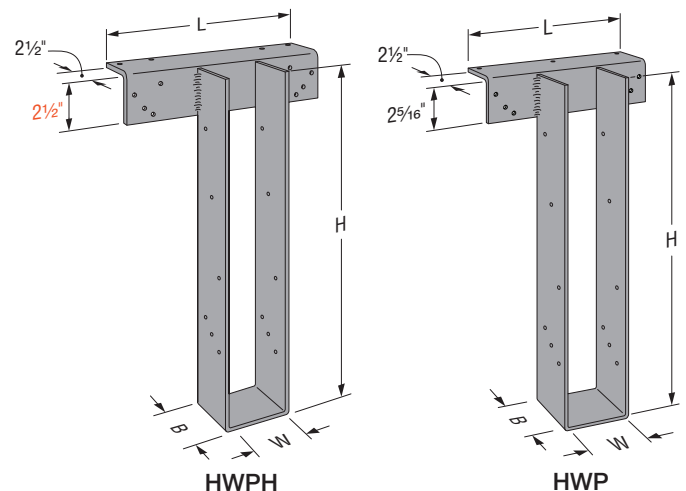
### Saddle Hanger (WPD)

- 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.

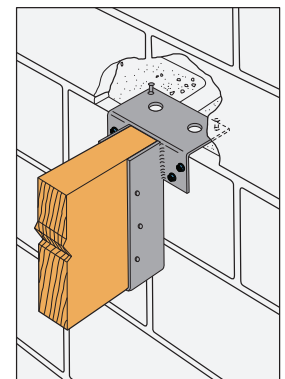
**Codes:** See p. 11 for Code Reference Key Chart



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



WP Ridge Installation



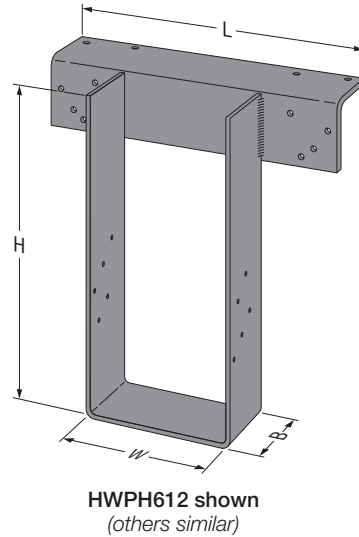
WMU Mid-Wall Installation  
See pp. 240–241 for models and information

# WP/HWP/HWPH/WMU

## Purlin Top-Flange Hangers (cont.)

Solid Sawn Joist Hangers

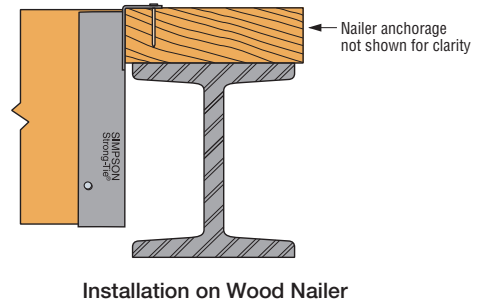
Model	Stirrup Width (W) (in.)	Stirrup Seat Depth (B) (in.)	Top Flange Length (L) (in.)
WP	1 <sup>1</sup> / <sub>16</sub> – 2 <sup>1</sup> / <sub>16</sub>	See load table	7
	2 <sup>1</sup> / <sub>16</sub> – 3 <sup>1</sup> / <sub>16</sub>	2 <sup>1</sup> / <sub>2</sub>	7
	3 <sup>1</sup> / <sub>16</sub> – 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>8</sub> – 5 <sup>3</sup> / <sub>8</sub>	3	10
	5 <sup>11</sup> / <sub>16</sub> – 7 <sup>1</sup> / <sub>8</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



### 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		
		Top	Face		DF/SP	SPF/HF	LSL
WP	2x	(4) 0.148 x 1 1/2	—	—	2,465	1,985	3,150
	(2) 2x	(4) 0.148 x 2 1/2	—	—	2,985	2,230	—
	3x or 4x	(4) 0.162 x 2 1/2	—	—	2,985	2,230	3,375
HWP	(2) 2x	(3) 0.148 x 3	(6) 0.148 x 3	710	4,415	3,860	4,415
	3x	(3) 0.162 x 2 1/2	(6) 0.162 x 2 1/2	970	4,415	3,860	—
	4x	(3) 0.162 x 2 1/2	(6) 0.162 x 2 1/2	1,535	4,920	3,860	4,920
HWPH	(2) 2x	(4) 0.162 x 2 1/2	(8) 0.162 x 2 1/2	710	5,910	4,820	5,910
	3x	(4) 0.162 x 2 1/2	(8) 0.162 x 2 1/2	970	5,970	5,125	—
	4x	(4) 0.162 x 3 1/2	(8) 0.162 x 3 1/2	1,550	5,970	5,125	5,970



- 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. 21–22 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 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	—
	2 1/2 to 7 1/2	5 3/8 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	—	—
	3 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	—	IBC, FL, LA
	1 1/2 to 7	15 3/4 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	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	—	

- Code values are based on DF/SP header species.
- Uplift loads have been increased for wind or earthquake loading with no further increase allowed. Reduce where other loads govern.
- 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. See pp. 21–22 for fastener information.

# WP/HWP/HWPH/WMU

## Purlin Top-Flange Hangers (cont.)

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

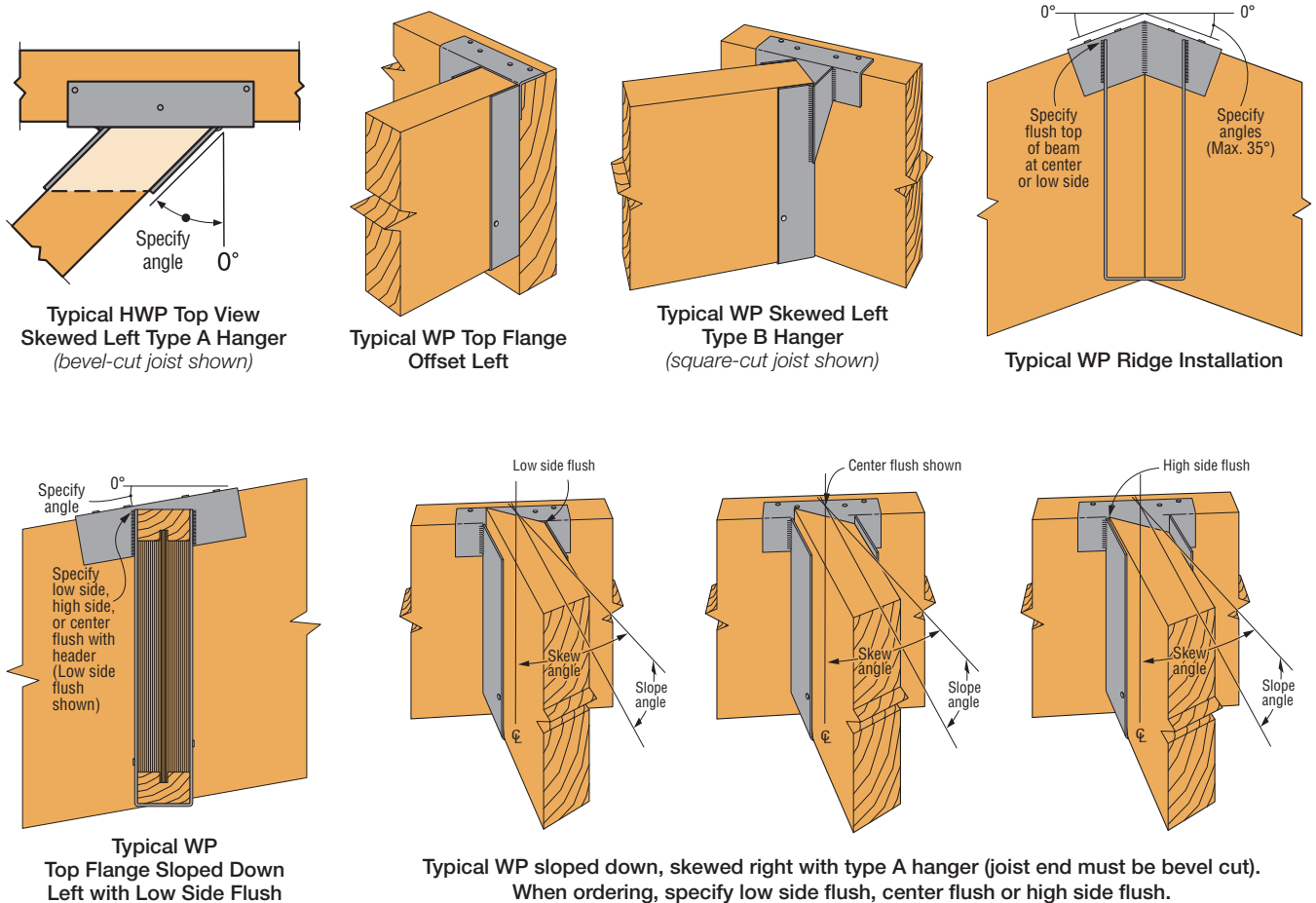
Models	Seat						Top Flange		Top Flange and Seat				Joist Height			
	Seat Sloped 45° Max.		Seat Skewed Type A	Seat Skewed Type B		Seat Sloped and Skewed Type A 1°–45°		Top Flange Sloped 35° Max.	Top Flange Bent Open or Closed 30° Max.	Top Flange Offset		Top Flange Offset and Skewed Seat Type A, Bevel 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	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 & HWPH options receive catalog uplift loads except: skewed type A is 75% of the table load, skewed type B is 50% of the table load, top flange offset 30% 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. 131–135 for table loads.

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



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Solid Sawn Joist Hangers

# WP/HWP/HWPH/WMU

## High-Capacity Top-Flange Hangers

The WP, HWP and HWPH series are designed to support joists on wood purlins or beams. WMU hangers are designed for use on standard 8"-grouted masonry block wall construction.

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; contact Simpson Strong-Tie.

### 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. 18 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:

- The WP, HWP and HWPH may have a sloped and/or skewed seat up to 45°. The WP may be skewed up to 84°. See p. 169 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. 169 for reduction associated with modifications.
- All models are available in Type A (joist bevel cut up to 45°). See p. 169. WP is also available in Type B style (square-cut joist). Contact Simpson Strong-Tie when ordering.
- HWPH is available in a Type B configuration for skews up to 84°.
- 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. 169).
- Uplift loads are not available for open/closed TF, TF sloped and offset options.

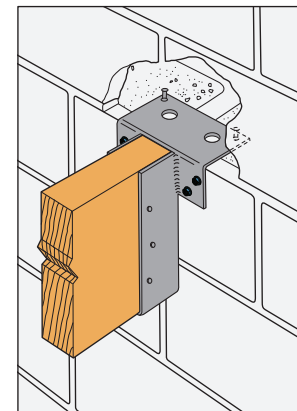
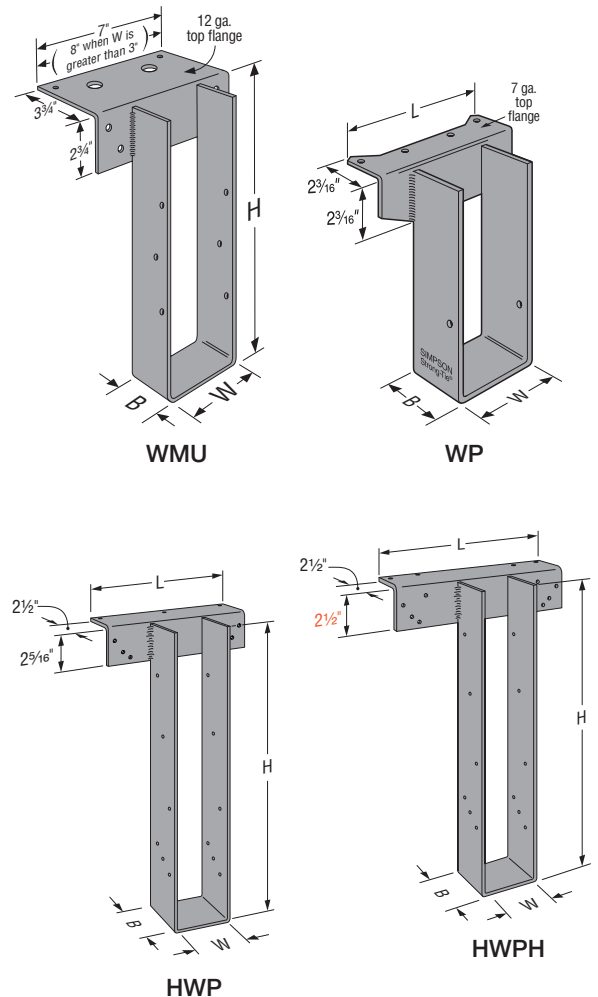
### Ridge Hanger (WP only)

- 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 1/16" oversized for carrying members 2 1/2" wide and less or 1/8" oversized for greater than 2 1/2" wide.

**Codes:** See p. 11 for Code Reference Key Chart



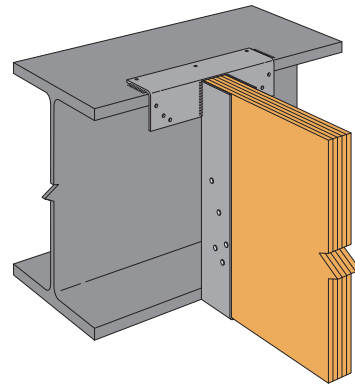
**WMU Mid-Wall Installation**  
See pp. 240–241 for models and more information.

# WP/HWP/HWPH/WMU

## 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 9/16 – 2 1/16	See load table	7
	2 1/8 – 3 5/8	2 1/2	7
	3 1/16 – 7 1/8	2 1/2	8
	7 3/16 – 7 1/2	2 1/2	10
HWP	1 9/16	5	10
	1 11/16	4	10
	2 3/8 – 5 3/8	3	10
	5 11/16 – 7 1/8	3	12
HWPH	1 9/16 – 2 1/2	See load table	10
	2 9/16 – 2 3/4	4	10
	3 1/4 – 3 3/16	3 1/4	10
	3 13/16 – 6 3/4	3 1/4	12
	6 13/16 – 7 1/2	3 1/4	14



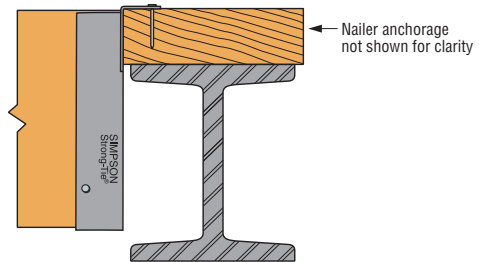
HWP Welded on Steel Flange

Model	Nailer	Fasteners (in.)		Uplift <sup>1</sup> (160)	Allowable Down Loads		
		Top	Face		DF/SP	SPF/HF	LSL
WP	2x	(4) 0.148 x 1 1/2	—	—	2,465	1,985	3,150
	(2) 2x	(4) 0.148 x 2 1/2	—	—	2,985	2,230	—
	3x or 4x	(4) 0.162 x 2 1/2	—	—	2,985	2,230	3,375
HWP	(2) 2x	(3) 0.148 x 3	(6) 0.148 x 3	710	4,415	3,860	4,415
	3x	(3) 0.162 x 2 1/2	(6) 0.162 x 2 1/2	970	4,415	3,860	—
	4x	(3) 0.162 x 2 1/2	(6) 0.162 x 2 1/2	1,535	4,920	3,860	4,920
HWPH	(2) 2x	(4) 0.162 x 2 1/2	(8) 0.162 x 2 1/2	710	5,910	4,820	5,910
	3x	(4) 0.162 x 2 1/2	(8) 0.162 x 2 1/2	970	5,970	5,125	—
	4x	(4) 0.162 x 3 1/2	(8) 0.162 x 3 1/2	1,550	5,970	5,125	5,970

- 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. 21–22 for fastener information.

### 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

### Various Header Applications

Model	Joist (in.)		Fasteners (in.)			Uplift (160)	Allowable Loads Header Type							Code Ref.
	Width	Depth	Top	Face	Joist		LVL	PSL	LSL	DF/SP	SPF/HF	I-Joist	GFCMU	
WMU	1 1/2 to 1 3/4	5 3/8 to 28	(2) 0.162 x 3 1/2 DPLX	(4) 1/4 x 1 3/4 Titen Turbo™	(6) 0.148 x 1 1/2	920	Mid-Wall Installation						4,895	—
	2 1/2 to 7 1/2	5 3/8 to 28	(2) 0.162 x 3 1/2 DPLX	(4) 1/4 x 1 3/4 Titen Turbo	(6) 0.148 x 1 1/2	920	Mid-Wall Installation						4,895	
	1 1/2 to 7 1/2	5 3/8 to 28	(2) 1/4 x 1 3/4 Titen Turbo	(4) 1/4 x 1 3/4 Titen Turbo	(6) 0.148 x 1 1/2	650	Top-of-Wall Installation						3,545	
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	—	IBC, FL, LA
	1 1/2 to 7 1/2	5 3/8 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	—	—	
	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 28	(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	—	—	

- 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.
- Grout-filled CMU (GFCMU) shall have a minimum compressive strength of  $f'_m = 1,500$  psi.
- 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. 21–22 for fastener information.

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# WP/HWP/HWPH/WMU

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

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

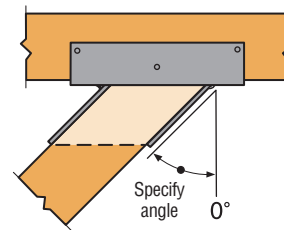
Models	Seat						Top Flange				Top Flange and Seat				Joist Height	
	Seat Sloped 45° Max.		Seat Skewed Type A	Seat Skewed Type B		Seat Sloped and Skewed Type A 1°-45°		Top Flange Sloped 35° Max.	Top Flange Bent Open or Closed 30° Max.	Top Flange Offset		Top Flange Offset and Skewed Seat Type A, Bevel 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	
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		

- 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 & HWPH options receive catalog uplift loads except: skewed type A is 75% of the table load, skewed type B is 50% of the table load, top flange offset 30% of the table load.
- Top flange bent closed is not available for HWP or HWPH.

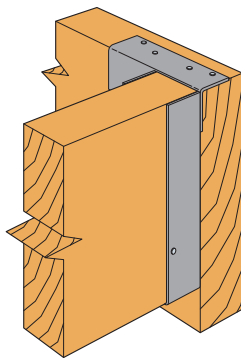
### Reduction Factor Instructions

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

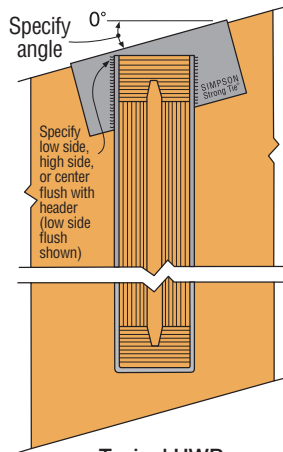
**Allowable Uplift** = as noted in table per height.



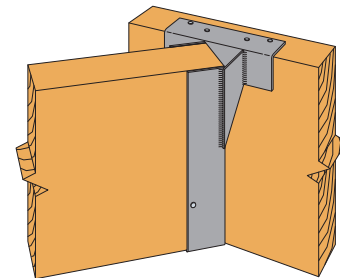
**HWP Top View**  
**Skewed Left Type A Hanger**  
(bevel-cut joist shown)



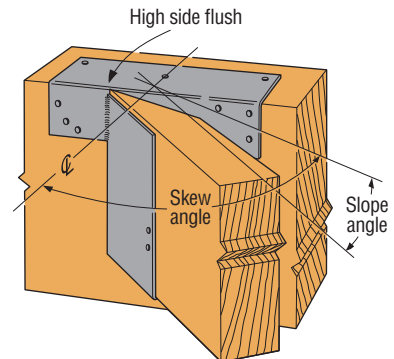
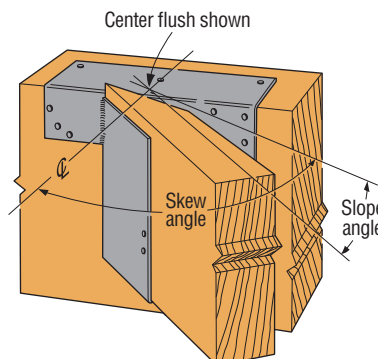
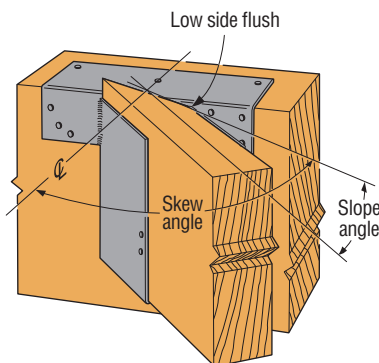
**Typical WP Top Flange**  
**Offset Left**



**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.

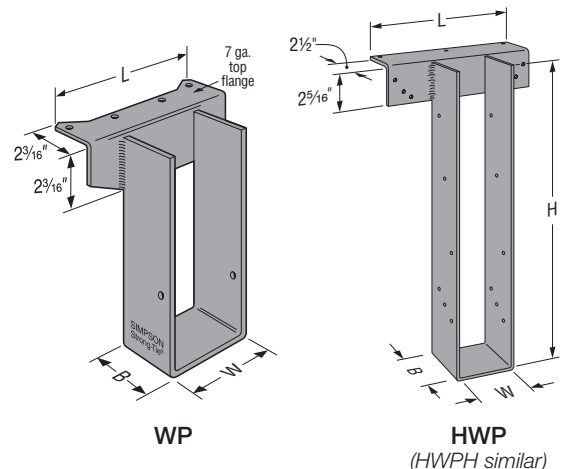
**Installation:**

- 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. 18 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:**

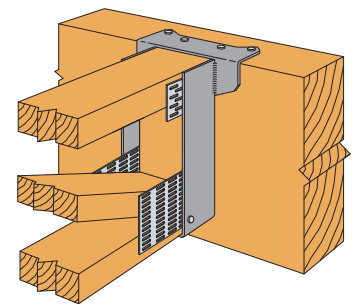
- For hanger modification options, see table on p. 129
- For skewed trusses using the WP hanger, order the Type B stirrup for proper bearing
- For 4x2 trusses, the ANP nail pattern may be ordered with WP hangers, which will relocate the joist nails to the top and bottom chords
- For concrete and masonry applications, see pp. 240–241 for WMU top-flange hanger.

**Codes:** See p. 11 for Code Reference Key Chart



WP

HWP  
(HWPH similar)



Typical WP Installation for 4x2 Truss

### 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	Top Flange Nailing (in.)	Uplift (160)	Allowable Down Loads		
				DF/SP	SPF/HF	LSL
WP	2x	(4) 0.148 x 1 1/2	—	2,465	1,985	3,150
	(2) 2x	(4) 0.148 x 2 1/2	—	2,985	2,230	—
	3x or 4x	(4) 0.162 x 2 1/2	—	2,985	2,230	3,375
HWP	(2) 2x	(3) 0.148 x 3	710	4,415	3,860	—
	3x	(3) 0.162 x 2 1/2	970	4,415	3,860	—
	4x	(3) 0.162 x 2 1/2	1,535	4,920	3,860	—
HWPH	(2) 2x	(4) 0.162 x 2 1/2	710	5,910	4,820	—
	3x	(4) 0.162 x 2 1/2	970	5,970	5,125	—
	4x	(4) 0.162 x 3 1/2	1,550	5,970	5,125	—

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.

Model	Stirrup Width (W) (in.)	Top Flange Length (L) (in.)
WP	1 9/16 – 3 3/8	7
	3 1/4 – 7 1/8	8
	7 3/16 – 7 1/2	10
HWP	1 9/16 – 5 3/8	10
	5 1/16 – 7 1/8	12
HWPH	1 9/16 – 3 3/4	10
	3 3/16 – 6 3/4	12
	6 3/16 – 7 1/2	14

These products are available with additional corrosion protection. For more information, see p. 14.

### Various Headers

Model	Joist (in.)		Fasteners (in.)			Allowable Loads Header Type								Code Ref.
	Width <sup>1</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	—	IBC, FL, LA
	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. 21–22 for fastener information.

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

Visit [strongtie.com/software](http://strongtie.com/software) to learn more about our Joist Hanger Selector software.

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
1 1/2 x 9 1/2	BA1.56/9.5 (Min.)	•	•	—	1 9/16	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 9/16	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 9/16	5 3/8 to 30	4	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
1 1/2 x 11 7/8	ITS1.56/11.88	•	•	—	1 7/8	11 13/16	2	1 7/8	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	BA1.56/11.88 (Min.)	•	•	—	1 9/16	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 9/16	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 9/16	5 3/8 to 30	4	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
1 3/4 x 7 1/4	BA1.81/7.25 (Min.)	•	•	—	1 9/16	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 9/16	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 9/16	5 3/8 to 30	4	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
1 3/4 x 9 1/4	BA1.81/9.25 (Min.)	•	•	—	1 9/16	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 9/16	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 9/16	5 3/8 to 30	4	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
1 3/4 x 9 1/2	ITS1.81/9.5	•	•	—	1 7/8	9 7/8	2	1 7/8	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT9.5	•	•	—	1 9/16	9 1/2	2 1/2	2 5/8	(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 9/16	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 9/16	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 9/16	5 3/8 to 30	4	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
1 3/4 x 11 1/4	BA1.81/11.25 (Min.)	•	•	—	1 9/16	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 9/16	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 9/16	5 3/8 to 30	4	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
1 3/4 x 11 7/8	ITS1.81/11.88	•	•	—	1 7/8	11 13/16	2	1 7/8	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT11.88	•	•	—	1 9/16	11 7/8	2 1/2	2 5/8	(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 9/16	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 9/16	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 9/16	5 3/8 to 30	4	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
1 3/4 x 14	ITS1.81/14	•	•	—	1 7/8	13 13/16	2	1 7/8	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT1.81/14	•	•	—	1 9/16	14	2 1/2	2 5/8	(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 9/16	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 9/16	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 9/16	5 3/8 to 30	4	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
1 3/4 x 16	ITS1.81/16	•	•	—	1 7/8	15 13/16	2	1 7/8	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT1.81/16	•	•	—	1 9/16	16	2 1/2	2 5/8	(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 9/16	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 9/16	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 9/16	5 3/8 to 30	4	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
2 x 9 1/2	ITS2.06/9.5	•	•	—	2 1/8	9 7/8	2	1 7/8	(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 3/8	(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
	ITS2.06/11.88	•	•	—	2 1/8	11 13/16	2	1 7/8	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
2 x 11 7/8	MIT2.1/11.88	•	•	—	2 1/8	11 7/8	2 1/2	2 5/8	(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 3/8	(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
	ITS2.06/14	•	•	—	2 1/8	13 13/16	2	1 7/8	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
2 x 14	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 3/8	(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
	ITS2.06/16	•	•	—	2 1/8	15 13/16	2	1 7/8	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
2 x 16	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 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

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 1/16 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 1/16 x 11 7/8	ITS2.06/11.88			• —	2 1/8	11 1 9/16	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 1/16 x 14	ITS2.06/14			• —	2 1/8	13 1 9/16	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
2 1/16 x 16	ITS2.06/16			• —	2 1/8	15 1 9/16	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 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 1/4 x 9 1/2 to 20	2 1/4"-wide joists use the same hangers as 2 1/16"-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 5/16 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 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
	BA2.37/9.5 (Max.)			• ✓	2 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
	WP2.37 H=9.5			• ✓	2 5/8	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 5/16 x 11 7/8	ITS2.37/11.88			• —	2 7/16	11 1 9/16	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 5/8	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
	BA2.37/11.88 (Min.)			• —	2 5/8	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
	BA2.37/11.88 (Max.)			• ✓	2 5/8	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
	WP2.37 H=11.875			• ✓	2 5/8	5 3/8 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 5/16 x 14	ITS2.37/14			• —	2 7/16	13 1 9/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT3514			• —	2 5/8	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 5/8	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
	BA2.37/14 (Max.)			• ✓	2 5/8	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
	WP2.37 H=14			• ✓	2 5/8	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 5/16 x 16	ITS2.37/16			• —	2 7/16	15 1 9/16	2	1 7/16	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085
	MIT3516			• —	2 5/8	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 5/8	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
	BA2.37/16 (Max.)			• ✓	2 5/8	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
	WP2.37 H=16			• ✓	2 5/8	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 5/16 x 18	MIT3518			• —	2 5/8	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 5/8	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 5/8	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 5/8	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 5/16 x 20	MIT3520			• —	2 5/8	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 5/8	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 5/8	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 5/8	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 1/2 x 9 1/4	BA2.56 H=9.25 (Min.)			• —	2 5/16	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	3,205	2,660	1,495
	BA2.56 H=9.25 (Max.)			• ✓	2 5/16	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
	WP2.56 H=9.25			• ✓	2 5/16	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
	HWP2.56 H=9.25			• ✓	2 5/16	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. 184.

# 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†
2½ x 9½	ITS2.56/9.5			• —	2½	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	—	
	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	—	
2½ x 11¼	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	—	
	BA2.56 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	—	
	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	—	
2½ x 11⅞	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	
	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	—	
	ITS2.56/14			• —	2⅞	13⅞	2	1⅞	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085	
2½ x 14	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	—	
	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	
2½ x 16	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	—	
	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	—	
2½ x 18	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	—	
	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	
2½ x 20	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	—	
	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	—	
2½ x 22	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	
	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	—	
2½ x 24	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	
	HB2.56/24			• ✓	2⅞	24	3½	3	(22) 0.162 x 3½	(10) 0.162 x 2½	2,075	5,815	5,640	6,395	5,395	3,820	—	
	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	—	
2½ x 26	BA2.56/26 (Min.)			• —	2⅞	26	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	
	BA2.56/26 (Max.)			• ✓	2⅞	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	
	WP2.56 H=26			• ✓	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	
	HB2.56/26			• ✓	2⅞	26	3½	3	(22) 0.162 x 3½	(10) 0.162 x 2½	2,075	5,815	5,640	6,395	5,395	3,820	—	
	HWP2.56 H=26			• ✓	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

# 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</sup> 7	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	DF/SCL I-Joist <sup>t</sup>	
2 1/2 x 28	BA2.56/28 (Min.)			• —	2 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	
	BA2.56/28 (Max.)			• ✓	2 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	
	WP2.56 H=28			• ✓	2 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	
	HB2.56/28			• ✓	2 3/8	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 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	—	
2 1/2 x 30	WP2.56 H=30			• ✓	2 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	
	HWP2.56 H=30			• ✓	2 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	—	
2 3/8 x 9 1/2 to 20	2 3/8" wide joists use the same hangers as 2 1/2"																	
2 1/8	BA2.75X (Min.)	•		—	2 3/4	7 1/8 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	
	BA2.75X (Max.)	•		✓	2 3/4	7 1/8 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	
	HWP2.75	•		✓	2 3/4	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	—	
	HWP2.75	•		✓	2 3/4	6 to 32	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	—	
	HGLTV2.75	•		✓	2 3/4	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	—	
3/8 LAM	BA3.25X (Min.)	•		—	3 1/4	7 1/8 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 1/8 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 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	
	HWP3.25	•		✓	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	—	—	
3/2 LAM	BA3.56X (Min.)	•	•	—	3 3/8	7 1/8 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 3/8	7 1/8 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 3/8	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 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	•	•	✓	3 3/8	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 3/8	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	—	
	HGLTV4	•	•	✓	3 3/8	7 1/2 to 33	6	2 7/8	(18) N54A	(6) N54A	2,450	—	—	—	10,720	—	—	
3 1/2 x 9 1/4	BA3.56/9.25 (Min.)	•	•	—	3 3/8	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 3/8	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 3/8	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 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=9.25	•	•	✓	3 3/8	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 3/8	9 1/2	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 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
	BA3.56/9.5 (Min.)	•	•	•	—	3 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	3,205	2,660	1,495
	BA3.56/9.5 (Max.)	•	•	•	✓	3 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
	HB3.56/9.5	•	•	•	✓	3 3/8	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 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=9.5	•	•	•	✓	3 3/8	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 3/8	7 1/8 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 3/8	7 1/8 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 3/8	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 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=10.5	•	•	•	✓	3 3/8	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 3/8	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 3/8	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 3/8	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 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=11.25	•	•	•	✓	3 3/8	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. 184.

# 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†
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
					✓							215	2,550	2,140	2,115	2,575	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	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA3.56/11.88 (Max.)	•	•	•	✓	3⅝	11 7⁄8	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
	HB3.56/11.88	•	•	•	✓	3⅝	11 7⁄8	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=11.875	•	•	•	✓	3⅝	5⅝ 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=11.875	•	•	•	✓	3⅝	6 to 28	3	2 ½	(9) 0.162 x 3 ½	(10) 0.148 x 1 ½	1,535	3,995	4,500	4,350	3,955	3,955	—
	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	1,685	6,595	7,025	5,450	5,920	4,740	—
HGLT4 H=11.875	•			—	3⅝	7 ½ to 33	6	2 ½	(18) N54A	(6) N54A	2,450	—	—	—	10,720	—	—	
HGLTV3.511	•	•	•	✓	3⅝	11 7⁄8	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 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
					✓							215	2,550	2,140	2,115	2,575	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	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA3.56/14 (Max.)	•	•	•	✓	3⅝	14	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
	HB3.56/14	•	•	•	✓	3⅝	14	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=14	•	•	•	✓	3⅝	5⅝ 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=14	•	•	•	✓	3⅝	6 to 28	3	2 ½	(9) 0.162 x 3 ½	(10) 0.148 x 1 ½	1,535	3,995	4,500	4,350	3,955	3,955	—
	HWP3.56 H=14	•	•	•	✓	3⅝	6 to 32	3 ¼	2 ½	(12) 0.162 x 3 ½	(10) 0.148 x 1 ½	1,685	6,595	7,025	5,450	5,920	4,740	—
HGLT4 H=14	•			—	3⅝	7 ½ to 33	6	2 ½	(18) N54A	(6) N54A	2,450	—	—	—	10,720	—	—	
HGLTV3.514	•	•	•	✓	3⅝	14	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 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
					✓							215	2,550	2,140	2,115	2,575	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	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA3.56/16 (Max.)	•	•	•	✓	3⅝	16	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
	HB3.56/16	•	•	•	✓	3⅝	16	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=16	•	•	•	✓	3⅝	5⅝ 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=16	•	•	•	✓	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=16	•	•	•	✓	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=16	•			—	3⅝	7 ½ to 33	6	2 ½	(18) N54A	(6) N54A	2,450	—	—	—	10,720	—	—	
HGLTV3.516	•	•	•	✓	3⅝	16	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 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
					✓							215	2,550	2,140	2,115	2,575	1,665	1,230
	HIT418	•	•	•	—	3⅝	18	3	2 3⁄8	(10) 0.162 x 3 ½	(2) 0.148 x 1 ½	305	2,550	2,220	2,500	2,875	1,950	—
	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	5⅝ 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
					✓							215	2,550	2,140	2,115	2,575	1,665	1,230
	HIT420	•	•	•	—	3⅝	20	3	2 3⁄8	(10) 0.162 x 3 ½	(2) 0.148 x 1 ½	305	2,550	2,220	2,500	2,875	1,950	—
	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	5⅝ 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	—	

See footnotes on p. 184.

# 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'd.7	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	215	2,550	2,140	2,115	2,575	1,665	1,230
	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	215	2,550	2,140	2,115	2,575	1,665	1,230
	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	215	2,550	2,140	2,115	2,575	1,665	1,230
	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. 184.

# 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
Double 2 1/16 x 11 7/8	MIT4.28/11.88			— ✓	4 3/32	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 3/32	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 3/32	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 3/32	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 3/32	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 3/32	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 3/32	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 3/32	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 3/32	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 3/32	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 3/32	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

See footnotes on p. 184.

# 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</sup> 7	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	—	1,675	1,675	1,675	1,675	1,665	1,230
				• ✓	5½	14	3	2½	(8) 0.162 x 3½	(2) 0.148 x 1½	215	2,550	2,140	2,115	2,575	1,665	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	—	1,675	1,675	1,675	1,675	1,665	1,230
				• ✓	5½	16	3	2½	(8) 0.162 x 3½	(2) 0.148 x 1½	215	2,550	2,140	2,115	2,575	1,665	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. 184.

# 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>
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	•		✓		5¾	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	•		✓		5¾	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	•		✓		5¾	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	—
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	•		✓		5¾	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	•		✓		5¾	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	•		✓		5¾	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	—
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	•		✓		5¾	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	•		✓		5¾	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	•		✓		5¾	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	—
5¼ x 11¾	HB5.50/11.88	•		✓		5½	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	—
	HWP5.37 H=11.875	•		✓		5¾	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	•		✓		5¾	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	•		✓		5¾	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	—
	EGQ5.37-SDS H=11.875	•				5¾	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	•		✓		5¾	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	•		✓		5¾	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	•		✓		5¾	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	—
	EGQ5.37-SDS H=14	•				5¾	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	•		✓		5¾	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	•		✓		5¾	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	•		✓		5¾	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	—
	EGQ5.37-SDS H=16	•				5¾	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	•		✓		5¾	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	•		✓		5¾	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	—
	EGQ5.37-SDS H=18	•				5¾	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	•		✓		5¾	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	•		✓		5¾	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	—
	EGQ5.37-SDS H=20	•				5¾	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	•		✓		5¾	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	•		✓		5¾	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	—
	EGQ5.37-SDS H=22	•				5¾	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	•		✓		5¾	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	•		✓		5¾	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	—
	EGQ5.37-SDS H=24	•				5¾	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	•		✓		5¾	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	•		✓		5¾	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	•		✓		5¾	7½ to 32	6	2¾	(18) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	—
	HGLTV6	•		—		5¾	7½ to 32	6	2½	(18) N54A	(6) N54A	2,450	—	—	—	10,720	—	—
	EGQ5.62-SDS	•				5¾	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	•	•	•	✓	6¾	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	•	•	•	✓	6¾	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	•	•	•	✓	6¾	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	—
	HGLTV7	•	•	•	—	6¾	7½ to 32	6	2½	(18) N54A	(6) N54A	2,450	—	—	—	10,720	—	—
	HGLS7	•	•	•		6¾	7½ to 32½	6	SPEC	(28) N54A	(16) N54A	2,265	—	—	—	13,850	—	—
	EGQ6.88-SDS	•	•	•		6¾	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	—

I-Joist, Glulam and Structural Composite Lumber Connectors

See footnotes on p. 184.



# 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	—
	HWP7.12		•	•	✓	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	—
	HGLTV7		•	•	✓	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 1½" thick in hangers that are 14 gauge and thinner.
8. HGSL 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. 21–22 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

