

ITS/MIT/HIT

Engineered Wood Product Top-Flange Hangers



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

Simpson Strong-Tie offers a dedicated range of top-flange I-joint hangers that meet the unique needs of I-joists while offering superior performance and ease of installation.

ITS

The innovative ITS sets the standard for engineered wood top-flange hangers. The ITS installs faster and uses fewer nails than any other EWP top-flange hanger. The Strong-Grip™ seat and Funnel Flange™ features allow standard joist installation without requiring joist nails, resulting in the lowest installed cost. The Strong-Grip seat firmly secures I-joists with flange thicknesses from 1½" to 1½".

MIT/HIT — Positive-Angle Nailing (PAN)

PAN is specifically designed for I-joists when used with the MIT or HIT. With PAN, the nail hole material is not removed, but is formed to channel and confine the path of the nail at approximately 45°. PAN minimizes splitting of the flanges while permitting time-saving nailing from a better angle. See top flange tables on pp. 175–184.

Refer to joist manufacturer's literature or appropriate Simpson Strong-Tie Connector Selection Guide for actual joist sizes.

Material: ITS — 18 gauge; MIT, HIT — 16 gauge

Finish: Galvanized

Installation:

- Use all specified fasteners. Verify that the header can take the required fasteners specified in the table.
- See pp. 95–96 for more installation information.
- ITS — no joist nailing required for standard I-joist installation without web stiffeners. When supporting I-joists with web stiffeners or rectangular SCL member (2) 0.148" x 1½" nails must be installed into optional triangle joist nail holes for standard installation values.
- ITS — optional triangle nail holes may be used for additional load. See allowable load tables.
- MIT — optional triangle nail holes may be used for increased uplift capacity. See Optional Nailing For Increased Uplift table.
- HIT — closed PAN nail holes may be used for increased uplift capacity. See Optional Nailing For Increased Uplift table.
- For sloped joists up to ¼:12 there is no reduction, between ¼:12 and up to ½:12, tests show a 10% reduction in ultimate hanger strength. Local crushing of the bottom flange or excessive deflection may be limiting; check with joist manufacturer for specific limitations on bearing of this type.

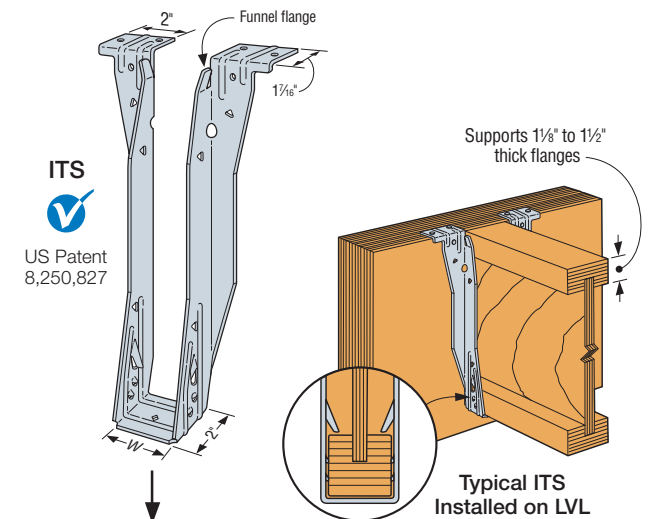
Allowable Loads:

- The ITS, MIT and HIT hangers have locations for optional nails if additional uplift is needed. Optional uplift nailing requires the addition of properly-secured web stiffeners. See the load tables for minimum required fasteners and allowable uplift loads.
- For attaching to multi-ply headers, refer to technical bulletin T-C-MPLYHEADR at strongtie.com.

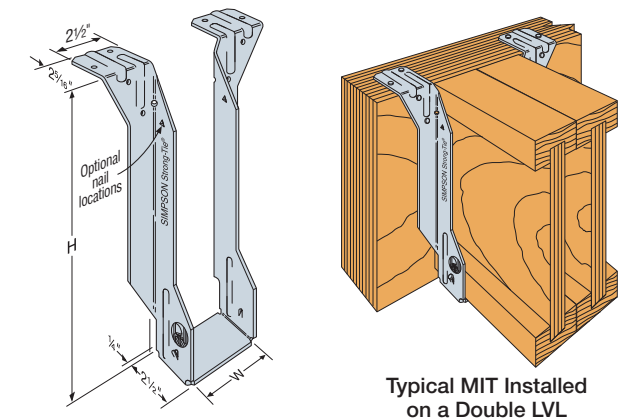
Options:

- Because these hangers are fully die-formed, they cannot be modified. However these models will normally accommodate a skew of up to 5°.

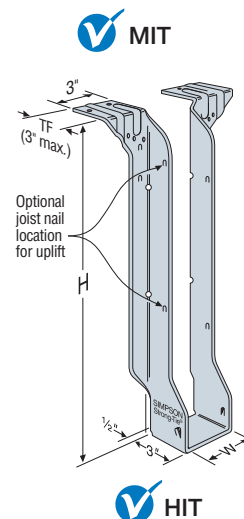
Codes: See p. 11 for Code Reference Key Chart



The Strong-Grip™ seat secures I-joists in position without joist nails.



Typical MIT Installed on a Double LVL

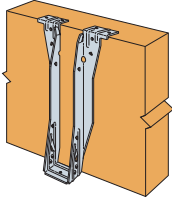


HIT Installation on a 3x Nailer mounted on a Steel Beam (ITS, MIT similar)

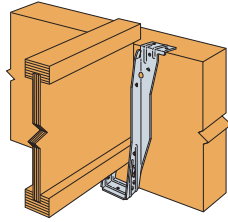
ITS/MIT/HIT

Engineered Wood Product Top-Flange Hangers (cont.)

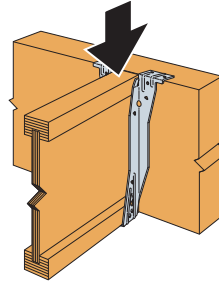
ITS Installation Sequence



Step 1
Attach the ITS to the header.

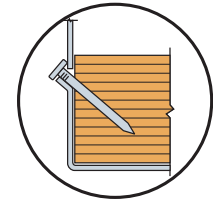


Step 2
Slide the I-joint downward into the ITS until it rests above the Strong-Grip™ seat.



Step 3
Firmly push or snap I-joint fully into the seat of the ITS.

Positive-Angle Nailing



Correct Nailing
Approx. 45° angle

ITS Series with Various Header Applications

Model	Fasteners (in.)			Allowable Loads Header Type								Code Ref.
	Top	Face	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	DF/SCL I-Joist	SPF/HF I-Joist	
ITS Series (Standard Installation)	(4) 0.148 x 1 1/2	(2) 0.148 x 1 1/2	—	120	1,395	1,245	1,625	1,455	1,140	1,085	940	IBC, FL, LA
	(4) 0.148 x 3	(2) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	—	—	
	(4) 0.162 x 3 1/2	(2) 0.162 x 3 1/2	—	120	1,785	1,735	1,905	1,565	1,225	—	—	
ITS Series (Alternate Installation)	(4) 0.148 x 3	(4) 0.148 x 3	—	120	1,735	1,595	1,885	1,955	1,230	—	—	—
	(4) 0.162 x 3 1/2	(4) 0.162 x 3 1/2	—	120	1,785	1,735	1,905	1,955	1,490	—	—	
	(4) 0.148 x 3	(4) 0.148 x 3	(4) 0.148 x 1 1/2	630	1,735	1,595	1,885	1,955	1,230	—	—	
	(4) 0.162 x 3 1/2	(4) 0.162 x 3 1/2	(4) 0.148 x 1 1/2	630	1,785	1,735	1,905	1,955	1,490	—	—	
MIT Series	(4) 0.148 x 1 1/2	(4) 0.148 x 1 1/2	(2) 0.148 x 1 1/2	215	2,035	1,500	1,605	2,275	1,115	1,230	885	IBC, FL, LA
	(4) 0.148 x 3	(4) 0.148 x 3	(2) 0.148 x 1 1/2	215	2,335	2,000	1,605	2,570	1,665	—	—	
	(4) 0.162 x 3 1/2	(4) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	215	2,550	2,140	2,115	2,575	1,665	—	—	
HIT Series	(4) 0.162 x 3 1/2	(6) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	315	2,550	2,220	2,500	2,875	2,000	—	—	

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. ITS uplift loads are valid for all lumber species and need not be reduced for duration of load.
5. 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.
6. DF I-joists headers include flanges made from solid sawn Douglas fir, LVL made primarily of DF/SP, or LSL. For header flanges with thicknesses from 1 5/16" to 1 3/8", use 0.85 of the I-joint header load. For header flanges with thicknesses from 1 1/8" to 1 1/4", use 0.75 of the I-joint header load.
7. SCL (structural composite lumber) is LVL, LSL, and Parallam® PSL.
8. Web stiffeners required for the ITS Alternate Installation when installing optional joist nails for additional uplift load.
9. Code values are based on DF/SP header species.
10. I-joists with flanges less than 1 5/16" thick used in combination with hangers thinner than 14 gauge may deflect an additional 1/2" beyond the standard 1/8" limit.
11. For 2 1/4"-wide joists, see tables on p. 176 for allowable loads.

Optional Nailing for Increased Uplift

Model	Fasteners (in.)			Allowable Uplift Loads (160)
	Top	Face	Joist	
ITS	(4) 0.148 x 1 1/2	(4) 0.148 x 1 1/2	(4) 0.148 x 1 1/2	630
	(4) 0.148 x 3	(4) 0.148 x 3	(4) 0.148 x 1 1/2	630
	(4) 0.162 x 3 1/2	(4) 0.162 x 3 1/2	(4) 0.148 x 1 1/2	630
MIT	(4) 0.148 x 1 1/2	(4) 0.148 x 1 1/2	(4) 0.148 x 1 1/2	575
	(4) 0.162 x 3 1/2	(4) 0.162 x 3 1/2	(4) 0.148 x 1 1/2	575
HIT	(4) 0.162 x 3 1/2	(6) 0.162 x 3 1/2	(4) 0.148 x 1 1/2	575
	(4) 0.162 x 2 1/2	(6) 0.162 x 2 1/2	(4) 0.148 x 1 1/2	575
	(4) 0.162 x 3 1/2	(6) 0.162 x 3 1/2	(6) 0.148 x 1 1/2	850

1. Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.
2. Uplift loads are based on DF/SP lumber. For SPF/HF, use 0.86 x DF/SP uplift load.
3. Web stiffeners are required on I-joint for additional nailing.

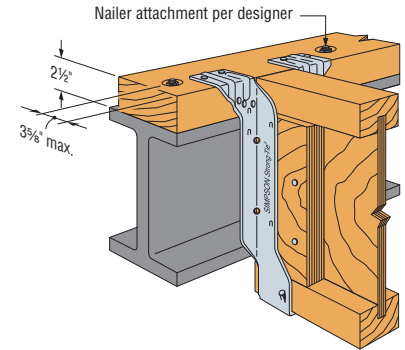
ITS/MIT/HIT

Engineered Wood Product Top-Flange Hangers (cont.)

Nailer Table

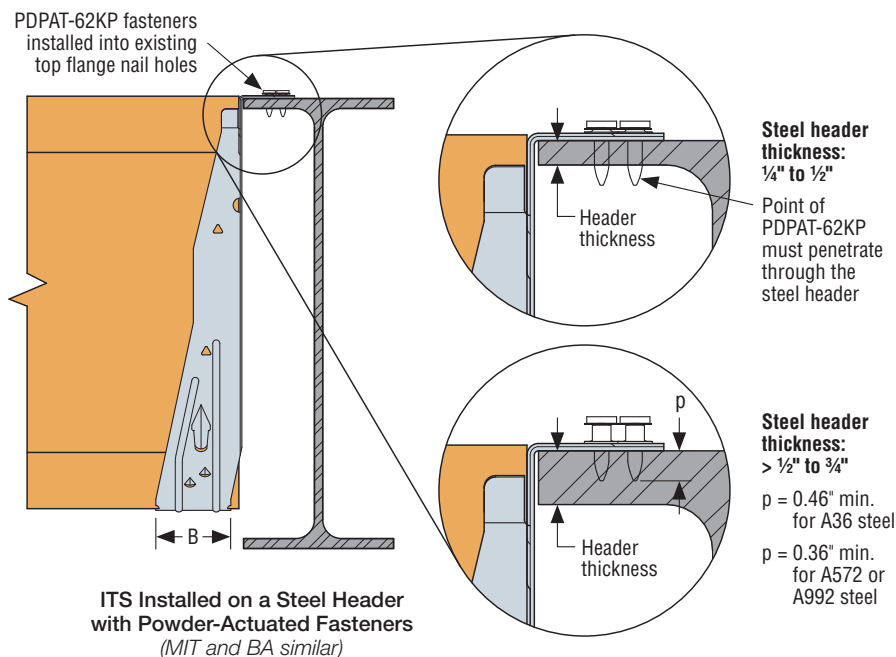
This table indicates various allowable loads for ITS/MIT/HIT hangers used on wood nailers. The header nail type must be substituted for those listed in other tables. See technical bulletin T-C-NAILUPLFT at strongtie.com for other uplift values and options.

Model	Nailer	Fasteners (in.)		DF/SP Allowable Loads		SPF/HF Allowable Loads	
		Header	Joist	Uplift (160)	Download (100)	Uplift (160)	Download (100)
ITS Series	2x	(6) 0.148 x 1½	—	120	1,260	105	1,260
	2x	(6) 0.148 x 1½	(2) 0.148 x 1½	355	1,260	190	1,260
	(2) 2x	(6) 0.148 x 3	—	120	1,220	105	1,220
	(2) 2x	(8) 0.148 x 3	(4) 0.148 x 1½	630	1,745	630	1,530
	3x	(6) 0.162 x 2½	—	120	1,500	—	—
	3x	(8) 0.162 x 2½	(4) 0.148 x 1½	630	1,540	—	—
	4x	(6) 0.162 x 3½	—	120	1,525	—	—
	4x	(8) 0.162 x 3½	(4) 0.148 x 1½	630	1,905	—	—
MIT Series	2x	(6) 0.148 x 1½	(2) 0.148 x 1½	215	1,475	190	1,440
	(2) 2x	(8) 0.148 x 3	(2) 0.148 x 1½	215	1,630	215	1,255
	3x	(8) 0.162 x 2½	(2) 0.148 x 1½	215	1,975	—	—
	4x	(8) 0.162 x 3½	(2) 0.148 x 1½	215	2,250	—	—
	Steel	(4) 0.157 x 5/8 PAT ³	(2) 0.148 x 1½	—	2,045	—	2,045
HIT Series	(2) 2x	(10) 0.148 x 3	(2) 0.148 x 1½	305	2,595	315	1,950
	3x	(10) 0.162 x 2½	(2) 0.148 x 1½	305	2,835	—	—
	4x	(10) 0.162 x 3½	(2) 0.148 x 1½	305	2,875	—	—



HIT Installation
on a 3x Nailer mounted
on a Steel Beam
(ITS, MIT similar)

- Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern. See technical bulletin T-C-NAILUPLFT at strongtie.com for additional information.
- Steel nailer allowable loads apply to steel header material with thickness between ¼" and ½" with minimum F_y = 36 ksi. Design of steel header by designer.
- 0.157"-diameter x 5/8"-long powder-actuated fastener = PDPAT-62KP. A red (level 5) or purple (level 6) load may be required to achieve specified penetration.



BA/HB

Top-Flange Hangers



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

The BA hanger is a cost-effective hanger used for structural composite lumber and high-capacity I-joists. When used with I-joists, the positive angle nailing at the joist seat allows the hanger to be used without web stiffeners.

The HB hanger is also available with higher capacity for structural composite lumber and heavier I-joist applications.

See top flange tables on pp. 175–184.

Material: See tables on pp. 175–184.

- For modified hangers, gauge may increase from that specified for non-modified hangers. Hanger configurations, height and fastener quantity may increase from the tables depending on joist size, skew and slope.

Finish: BA and HB — Galvanized; BA and HB may be ordered hot-dip galvanized; specify HDG.

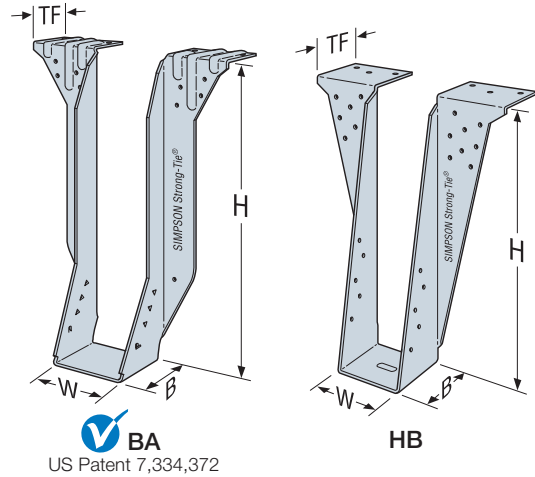
Installation:

- Use all specified fasteners; see General Notes and nailer table.
- BA and HB may be used for weld-on applications. The minimum size weld is a 2"-long fillet weld to each side of each top flange; weld size to match hanger material thickness. Distribute the weld equally on both top flanges. Welding cancels the top and face nailing requirements. Consult the code for special considerations when welding galvanized steel. The area should be well-ventilated, see p. 18, note k for weld information. Weld on applications produce the maximum allowable down load listed. For additional load information, refer to technical bulletin T-C-WELDUPFLT at strongtie.com.
- HB hanger requires the use of web stiffeners. BA min. nailing does not require web stiffeners. BA max. nailing requires the use of web stiffeners.
- Ledgers must be evaluated for each application separately. Check TF dimension, nail length and nail location on ledger.
- Refer to technical bulletin T-C-SLOPEJST at strongtie.com for information regarding load reductions on selected hangers which can be used without modification to support joists which have shallow slopes ($\leq 3/4:12$).
- Bevel cut the carried member for skewed applications.

Options:

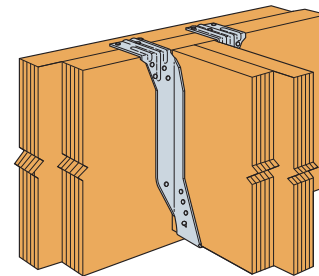
- Other widths are available; specify W dimension (the minimum W dimension is 1 $\frac{1}{16}$ ").
- The coating on special BA hangers will depend on the manufacturing process used. Check with your Simpson Strong-Tie representative for details. Hot-dip galvanized available: specify HDG.
- For modified hangers, fastener quantity may increase from the tables depending on joist size, skew and slope. All modified hangers are 12 gauge.
- The BA and HB hangers may be modified for slopes and/or skews up to 45°. The top flanges may be sloped up to 35° and may be open or closed up to 30°. See associated load reduction on p. 166.

Codes: See p. 11 for Code Reference Key Chart

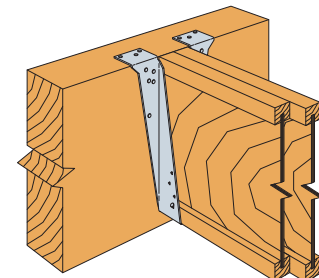


BA
US Patent 7,334,372

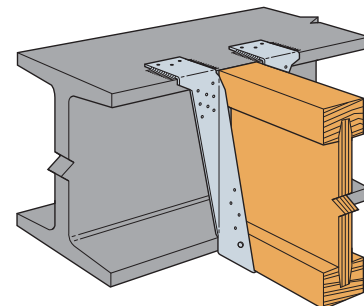
HB



BA Supporting
Double LVL



Typical Double
BA Hanger Installation.
BA Supporting Double I-Joist.



BA and HB are acceptable
for weld-on applications.
See Installation Information.
(HB shown)

BA/HB

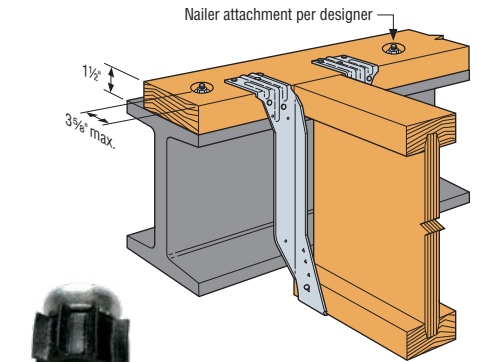
Top-Flange Hangers (cont.)

Model No.	Nailer	Fasteners (in.)		DF/SP Allowable Loads		SPF/HF Allowable Loads	
		Header	Joist	Uplift (160)	Download (100)	Uplift (160)	Download (100)
BA	2x	(10) 0.148 x 1 1/2	(2) 0.148 x 1 1/2	255	1,970	220	1,875
	(2) 2x	(14) 0.148 x 3	(2) 0.148 x 1 1/2	255	2,695	220	2,235
	3x	(14) 0.162 x 2 1/2	(2) 0.148 x 1 1/2	255	3,230	220	2,650
	4x	(14) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	3,230	—	—
	Steel	(6) 0.157 x 5/8 PAT	(2) 0.148 x 1 1/2	—	3,695	—	3,695
HB	(2) 2x	(18) 0.148 x 3	(10) 0.148 x 1 1/2	585	3,680	505	3,000
	3x	(18) 0.162 x 2 1/2	(10) 0.148 x 1 1/2	885	3,680	765	3,000
	4x	(22) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	1,465	5,200	—	—

- Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern. BA hangers resist more uplift when web stiffeners are used. Refer to technical bulletin T-C-NAILUPLFT at strongtie.com for additional information.
- Steel nailer allowable loads apply to steel header material with thickness between 1/4" and 3/4" with minimum F_y = 36 ksi. Design of steel header by designer.
- 0.157"-diameter x 5/8"-long powder-actuated fastener = PDPAT-62KP. A red (level 5) or purple (level 6) load may be required to achieve specified penetration.
- 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 BA and HB hangers used on wood nailers. Nailers are wood members attached to the top of a steel I-beam, concrete or masonry wall.



PDPAT

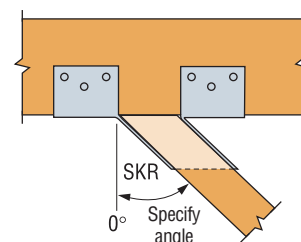
BA and HB are acceptable for nailer applications. (BA shown on 2x nailer)

I-Joist, Glulam and Structural Composite Lumber Connectors

Various Header Applications

Model Series	W	H	Fasteners (in.)			Allowable Loads Header Type								Code Ref.
			Top	Face	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	I-Joist		
												DF/SCL	SPF/HF	
BA (Min.)	1 1/2–7 1/2	7 1/2 to <11	(6) 0.148 x 1 1/2	(4) 0.148 x 1 1/2	(2) 0.148 x 1 1/2	255	2,295	2,610	2,270	1,970	1,875	1,495	1,495	IBC, FL, LA
			(6) 0.148 x 3	(10) 0.148 x 3	(2) 0.148 x 1 1/2	255	3,230	3,630	4,005	2,980	2,980	—	—	
			(6) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,205	2,660	—	—	
		11 to 30	(6) 0.148 x 1 1/2	(4) 0.148 x 1 1/2	(2) 0.148 x 1 1/2	255	2,295	2,610	2,270	1,970	1,875	1,495	1,495	
			(6) 0.148 x 3	(10) 0.148 x 3	(2) 0.148 x 1 1/2	255	3,230	3,630	4,005	3,800	2,980	—	—	
			(6) 0.162 x 3 1/2	(10) 0.162 x 3 1/2	(2) 0.148 x 1 1/2	255	4,015	3,705	4,005	3,780	3,095	—	—	
BA (Max.)	1 1/2–7 1/2	7 1/2 to 30	(6) 0.148 x 3	(10) 0.148 x 3	(8) 0.148 x 1 1/2	1,275	3,555	3,630	4,120	3,625	3,550	—	—	
			(6) 0.162 x 3 1/2	(10) 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	—	—	
HB	1 1/2–2 1/2	8 to 33	(6) 0.162 x 3 1/2	(16) 0.162 x 3 1/2	(10) 0.148 x 1 1/2	2,210	5,815	5,640	6,395	5,810	3,820	—	—	
			(6) 0.162 x 3 1/2	(16) 0.162 x 3 1/2	(10) 0.162 x 2 1/2	1,560	5,815	5,640	6,395	5,650	3,820	—	—	
			(6) 0.162 x 3 1/2	(16) 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	—	—	

- This table assumes joists with F_c ⊥ = 750 psi. For other joists, check that bearing and joist nails are adequate.
- 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.
- Loads may not be increased for duration of load.
- SCL (structural composite lumber) is LVL (laminated veneer lumber), LSL (laminated strand lumber), and Parallam® PSL.
- 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.
- DF I-joists headers include flanges made from solid sawn Douglas fir, LVL made primarily of DF/SP, or LSL. For I-joist header flanges with thicknesses from 1 1/2" to 1 3/4", use 0.85 of the I-joist header load. For I-joist header flanges with thicknesses from 1 1/8" to 1 1/4", use 0.75 of the I-joist header load.
- Fasteners:** Nail dimensions are listed diameter by length. See pp. 21–22 for fastener information.



Top View BA Hanger Skewed Right

BA/HB

Top-Flange Hangers (cont.)

Modifications and Associated Load Reductions¹

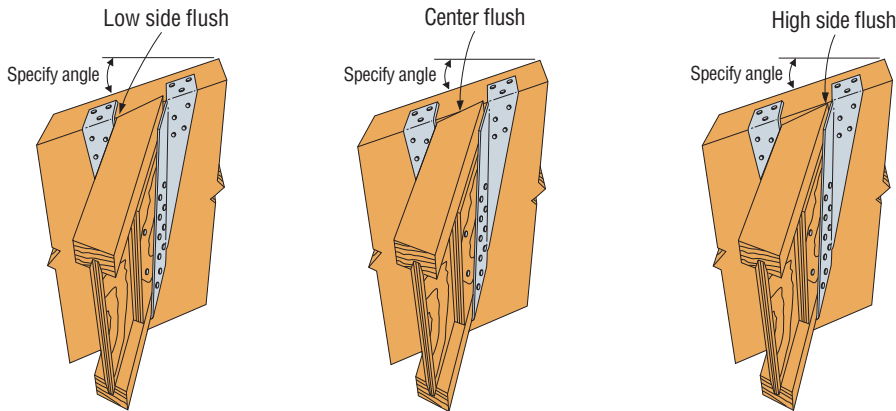
Hanger	Condition	Seat						Top Flange		
		Sloped Down 45° Max.	Sloped Up 45° Max.	Skewed 45° Max.	Sloped Down and Skewed	Sloped Up and Skewed	Top Flange Sloped 35° Max.	Top Flange Bent Open or Closed 30° Max.		
BA	Min. height →	7¼	7¼	7¼	9¼	14	9¼	14	14 ⁴	9¼
	W < 2½"	0.82	0.66	0.95	0.54	0.82	0.64	0.64	(90 - a) / 90	(90 - a) / 90
	W ≥ 2½"	0.8	0.95	1	0.7	1	0.8	0.8	(90 - a) / 90	(90 - a) / 90
HB	Min. height →	8	8	8	11¼	14	11¼	14	14	11¼
	W < 2½"	0.84	0.7	1	0.47	0.84	0.62	0.69	(90 - a) / 90	(90 - a) / 90
	W ≥ 2½"	0.87	0.7	0.96	0.59	0.87	0.7	0.7	(90 - a) / 90	(90 - a) / 90

1. Reduction factors are not cumulative. Use the lowest factors that apply.
2. Web stiffeners are required for sloped or skewed conditions.
3. For straight-line interpolation, "a" is the specified angle.
4. The sloped top flange option is permitted for BA hangers with a minimum height of 11¼" when the load reduction factor is applied to the tabulated BA allowable loads for the minimum installation.

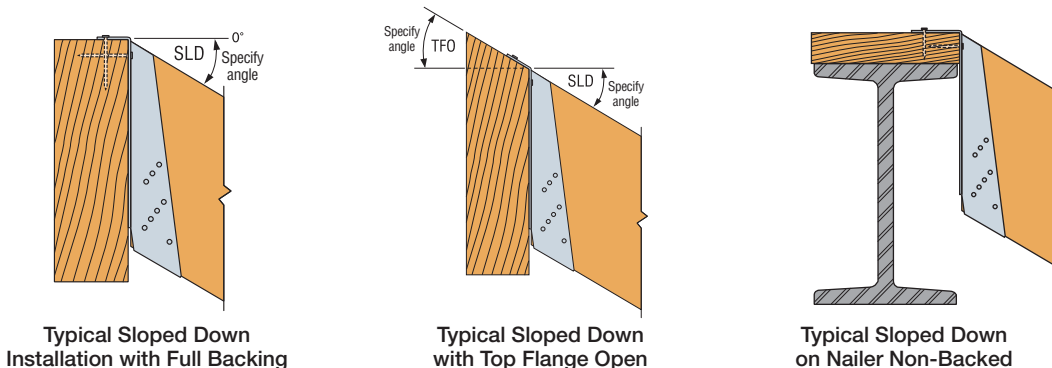
Reduction Factor Instructions

Allowable Download = Lower of (Seat or Top Flange) × (Table Load)

Allowable Uplift = 0.90 × (Table Load) for BA with W < 2½"
 = 0.71 × (Table Load) for HB with W < 2½"
 = 1.00 × (Table Load) for all others



Sloped down and skewed left with sloped top flange Installation.
 When ordering, specify low side flush, center flush or high side flush.



HGLT/HGLTV/HGLS/GLS

Heavy-Duty Top-Flange Hangers

HGLTV hangers are designed for structural composite lumber header applications that require high loads. The top-flange nails are sized and specifically located to prevent degradation of the header due to splitting of laminations.

HGLT accommodate typical structural requirements for timber and glulam beams. Not acceptable for nailer applications. The Funnel Flange™ design allows easy installation of beams.

GLS and HGLS are heavy glulam beam saddle hangers.

For heavy loads with a face-mount application, see the HGUS and GU series.

Material: 3 ga. top flange; 7 ga. stirrup

Finish: Simpson Strong-Tie® gray paint.

Hot-dip galvanized is available; specify HDG.

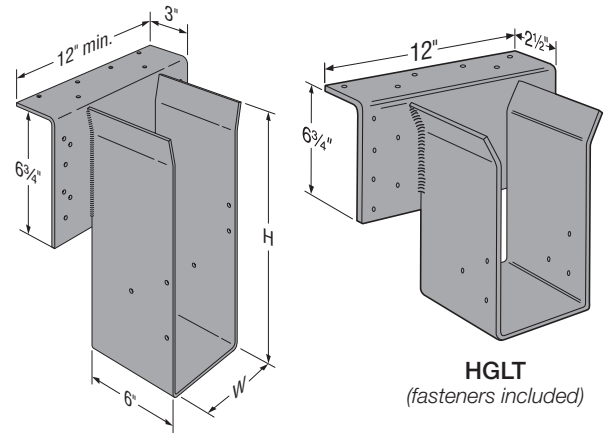
Installation:

- Use all specified fasteners. Verify that the header can take the required fasteners specified in the table.
- For attaching to multi-ply headers, refer to technical bulletin T-C-MPLYHEADR at strongtie.com.
- Flatten edge of header to match top flange radius.
- Bevel cut the carried beam for skewed hangers.
- For hangers exceeding the joist height by more than ½", allowable load is 50% of the table load.
- This series may be used for weld-on applications. Minimum required weld is a ¼" x 2½" fillet weld at each end of the top flange; see p. 18, note k for weld information. Weld-on applications produce maximum loads listed. For uplift loads, refer to technical bulletin T-C-WELDUPLFT at strongtie.com.
- HGLTV hangers may be installed on ledgers provided the ledgers are made of 4x solid sawn or 3½" SCL shown in the table below. Thinner ledgers must be evaluated by the building designer.
- N54A nails are included with HGLT, HGLS and GLS hangers. **N54A nails should only be used with solid sawn, timber, or glulam headers. For HGLS or GLS with SCL members, ¼" x 2½" Strong-Drive® SDS Heavy-Duty Connector screws may be used in place of N54A nails. For HGLT, consider HGLTV as an alternative when used with SCL.**
- For HGLS and GLS, loads shown are per side.
- To order GLS and HGLS, specify H₁, H₂, W₁, W₂ and S dimensions (see illustration).

Options:

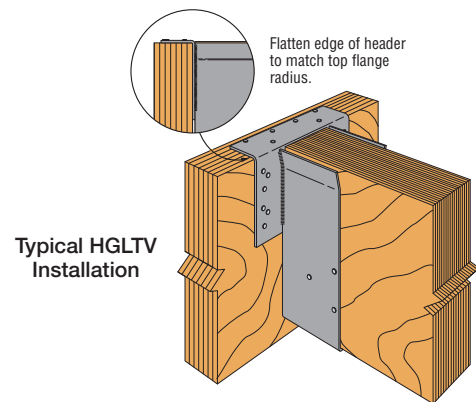
- Hot-dip galvanized; specify HDG.
- HGLT/HGLTV, GLS and HGLS series seats may be skewed to a maximum of 50° or sloped to a maximum of 45°.
- For sloped seat, the maximum allowable load for the HGLT/HGLS/HGLTV is 9,165 lb. **The maximum allowable load for the GLS is 6,550 lb.**
- For skewed seat, the maximum allowable load for the HGLT/HGLS/HGLTV is 7,980 lb. **The maximum allowable load for the GLS is 6,550 lb.** The deflection at full loading may reach ¼". For skews greater than 15°, multiply the table uplift load by 0.50.
- Sloped and skewed seat combinations are not available for the HGLT/HGLS/HGLTV. **For GLS sloped and skewed seat combinations, the maximum download is 5,500 lb. per supported member.**
- Sloped or skewed seat hangers may not be installed in non-backed header installations.
- Top flange may be sloped down to the left or right up to 30°. Reduce allowable loads using the following reduction factor based on linear interpolation $(90-\alpha)/90$; where α is the angle measure from the horizontal. This reduction is not cumulative with other load reductions.
- Top flange may be offset left or right for placement at the end of a header. Minimum seat width 3¼". The maximum allowable load is 0.45 for the HGLT/HGLS/HGLTV and 0.50 for the GLS. No uplift load is available.
- For skewed and offset or skewed only top-flange HGLS/HGLT/HGLTV hangers with inward or outward configuration, the maximum allowable load is the lesser of a) 45% of the catalog load or b) 4,300 lb. **for HGLS/HGLT/HGLTV and 3,500 lb. for GLS.**

Codes: See p. 11 for Code Reference Key Chart

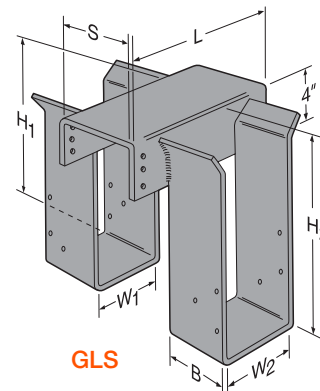


HGLTV

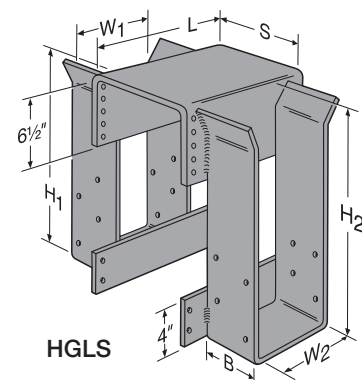
HGLT
(fasteners included)



Typical HGLTV
Installation



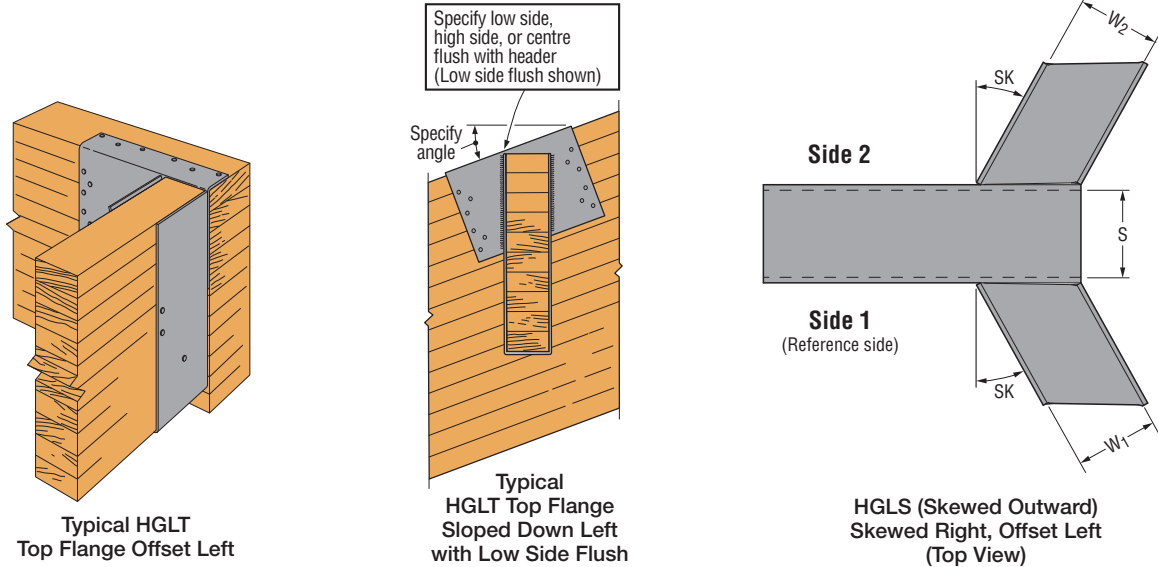
GLS



HGLS

HGLT/HGLTV/HGLS/GLS

Heavy-Duty Top-Flange Hangers (cont.)



Model No.		Hanger Dimensions (in.)			
		W ₁ , W ₂	L		S
GLS	HGLS		GLS	HGLS	
3-5	—	3¼	9	—	5¼
3-7*	—	3¼	9	—	6⅞
5-5	5-5	5¼	9	9	5¼
5-7	5-7	5¼	9	9	6⅞
5-9	5-9	5¼	9	9	8⅞
5-11	5-11	5¼	9	9	10⅞
7-7	7-7	6⅞	12	12	6⅞
7-9	7-9	6⅞	12	12	8⅞
7-11	7-11	6⅞	12	12	10⅞
—	9-9	8⅞	—	12	8⅞
3.6-3.6-SDS	3.6-3.6-SDS	3⅝	9	9	3⅝
3.6-5.3-SDS	3.6-5.3-SDS	3⅝	9	9	5⅝
5.3-5.3-SDS*	5.3-5.3-SDS	5⅝	9	12	5⅝
5.3-7.1-SDS	5.3-7.1-SDS	5⅝	9	12	7⅝
7.1-7.1-SDS	7.1-7.1-SDS	7⅝	12	12	7⅝

*Slope, skew and offset top flange not available.

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

Model No.	Joist (in.)		Fasteners (in.)			Allowable Loads Header Type						Code Ref.
	Width	Height	Top	Face	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	
HGLTV series	2⅞ – 8¾	7½ – 33	(6) 0.162 x 3½	(12) 0.162 x 3½	(6) 0.162 x 3½	1,120	10,585	9,485	9,500	7,805	6,770	IBC, FL, LA
HGLT Series	3⅞ – 8¾	7½ – 33	(6) N54A	(12) N54A	(6) N54A	2,450	—	—	—	10,720	—	
HGLS Series	5⅞ – 8¾	10½ – 33	—	(28) N54A	(16) N54A	2,265	—	—	—	13,850	—	
GLS Series	3¼ – 7½	8½ – 28	—	(12) N54A	(12) N54A	2,265	—	—	—	8,620	—	

- Uplift loads have been increased for earthquake or wind loading with no further increase allowed. Reduce where other loads govern.
- Uplift loads apply only when "H" is 28" or less.
- For hanger heights exceeding the joist height, the allowable load is 0.50 of the table load.
- 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 SCL products made primarily from Douglas Fir or Southern Pine, use 1,640 lb. for uplift. For SPF members, use 1,115 lb. for uplift.
- GLS and HGLS saddle hanger allowable loads are for each stirrup. Fasteners listed are total fasteners required.
- Fasteners: Nail dimensions are listed diameter by length. See pp. 21-22 for fastener information.

S/LBV and S/B Hangers

S/LBV and S/B top-flange hangers are manufactured with precision forming and quality control, providing dimensional accuracy and helping to ensure proper bearing area and connection. These hangers are designed for attaching to cold-formed steel members with screws or to structural steel with powder-actuated fasteners or welds.

Material: S/LBV — 68 mil (14 ga.); S/B — 97 mil (12 ga.)

Finish: Galvanized (G90)

Installation:

Cold-Formed Steel:

- S/LBV and S/B may be attached to cold-formed steel supporting members with screws to the face and top flanges and provide capacities for downward and uplift.

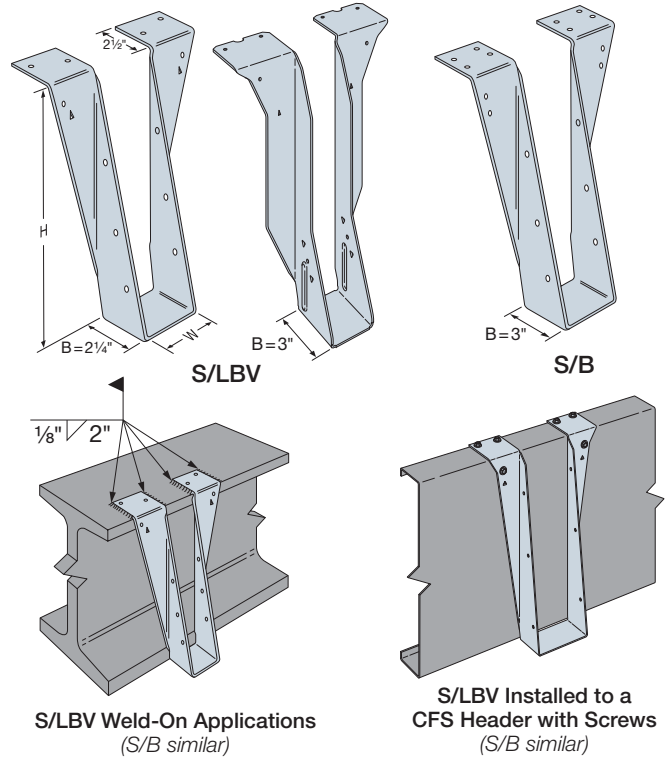
Structural Steel:

- S/LBV and S/B may be attached to structural steel support members with powder-actuated fasteners or welds. For powder-actuated fasteners use PDPAT-62KP (0.157" x 5/8") and provide full penetration as required. For welds use a minimum of 1/8" x 2" fillet weld on each top flange as required. Distribute the weld equally on both flanges. Capacities are provided for downward loads.

Skew Options:

- S/LBV and S/B may be skewed up to a maximum of 45°. Widths for skewable sections are limited to a maximum of 5.25" (specify right or left skew).

Codes: See p. 11 for Code Reference Key Chart



Load Capacity S/ Hangers

Model	Min. Base Header Material	Hanger Type	Fasteners			Allowable ASD Loads (lb.)		Code Ref.
			Top	Face	Joist	Uplift	Down	
S/LBV	CFS	Straight	(4) #10	(2) #10	(3) #10	1,010	3,150	IBC, LA, FL
		Skewed	(4) #10	(2) #10	(3) #10	1,010	2,220	
	A36 3/16" thk	Straight	(4) 1/8" x 2" weld	—	(3) #10	—	2,920	
		Skewed	(4) 0.157" x 5/8" PAF	—	(3) #10	—	2,685	
S/B	CFS	Straight	(8) #10	(4) #14	(3) #14	1,855	5,970	
		Skewed	(8) #10	(4) #14	(3) #14	1,855	4,195	
	A36 3/16" thk	Straight	(4) 1/8" x 2" weld	—	(3) #14	—	5,755	
		Skewed	(8) 0.157" x 5/8" PAF	—	(3) #14	—	3,695	

- Designer shall ensure that the joist member adequately transfers load to hanger. Header must be braced to prevent buckling per designer specification.
- Load is based on the Simpson Strong-Tie® PDPAT-62KP (0.157" x 5/8") powder-actuated fasteners. Steel headers with thicknesses between 1/4" and 3/4" having minimum F_y = 36 ksi. A Red (level 5) or Purple (level 6) powder load may be required to achieve specified penetration.
- Tabulated loads are based on testing with full bearing of 2 1/2" flange-depth minimum with 68 mil (14 ga.) CFS for S/LBV and 97 mil (12 ga.) CFS for S/B hanger.
- S/LBV2.12 and S/LBV4.18 bearing depth dimension, B, are 3", others S/LBV hanger sizes are 2 1/4".
- See *Fastening Systems* catalog (C-F-2019) on strongtie.com for more information on Simpson Strong-Tie fasteners.

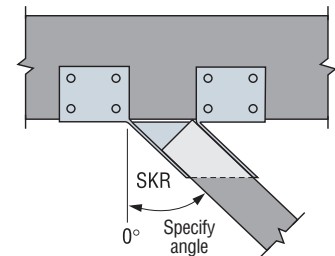
Joist Framing Connectors

Standard Hanger Sizes

S/LBV Model	S/B Model	W (in.)	H (in.)
S/LBV1.68/8	S/B1.68/8	1 1/16	8
S/LBV1.68/10	S/B1.68/10		10
S/LBV1.68/12	S/B1.68/12		12
S/LBV1.68/14	S/B1.68/14	2 1/8	14
S/LBV2.12/8	S/B2.12/8		8
S/LBV2.12/10	S/B2.12/10		10
S/LBV2.12/12	S/B2.12/12	2 1/2	12
S/LBV2.12/14	S/B2.12/14		14
S/LBV2.56/8	S/B2.56/8		8
S/LBV2.56/10	S/B2.56/10	2 9/16	10
S/LBV2.56/12	S/B2.56/12		12
S/LBV3.12/8	S/B3.12/8		8
S/LBV3.12/10	S/B3.12/10	3 1/8	10
S/LBV3.12/12	S/B3.12/12		12
S/LBV4.18/8	S/B4.18/8		4 3/16
S/LBV4.18/10	S/B4.18/10	10	
S/LBV4.18/12	S/B4.18/12	12	
S/LBV4.18/14	S/B4.18/14	14	

Hanger Modification Options: Custom Height and Skewable

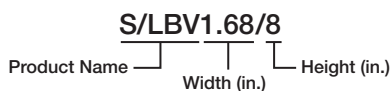
S/LBV Model	S/B Model	W (in.)	H (in.)
S/LBV1.56X	—	—	S/LBV 6 to 20 S/B 6 to 30
S/LBV1.68X	S/B1.68X	1 1/16	
S/LBV1.81X	S/B1.81X	1 13/16	
S/LBV2.12X	S/B2.12X	2 1/8	
S/LBV2.56X	S/B2.56X	2 9/16	
S/LBV2.68X	S/B2.68X	2 11/16	
S/LBV3.12X	S/B3.12X	3 1/8	
S/LBV3.56X	S/B3.56X	3 3/8	
S/LBV3.62X	S/B3.62X	3 5/8	
S/LBV4.18X	S/B4.18X	4 3/16	
—	S/B5.25X	5 1/4	
—	S/B6.25X	6 1/4	
—	S/B7.25X	7 1/4	



Top View S/B Hanger Skewed Right (S/LBV similar)

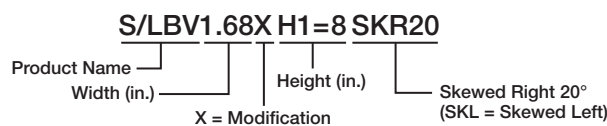
Standard size ordering:

Joist 800S162-54 using an S/LBV hanger.



Custom ordering example:

Joist 800S162-54 using S/LBV hanger skewed right 20°.



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

Visit 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. ⁷	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF
1½ x 9½	BA1.56/9.5 (Min.)	•	•	—	1½	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
	BA1.56/9.5 (Max.)	•	•	✓	1½	9½	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,645	4,005	1,495
	WP1.56 H=9.5	•	•	✓	1½	5½ to 30	4	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
1½ x 11½	ITS1.56/11.88	•	•	—	1½	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.)	•	•	—	1½	11 7/8	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
	BA1.56/11.88 (Max.)	•	•	✓	1½	11 7/8	3	2½	(16) 0.162 x 3½	(8) 0.148 x 1½	1,275	4,715	4,320	4,500	4,645	4,005	1,495
	WP1.56 H=11.875	•	•	✓	1½	5½ to 30	4	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
1¾ x 7¼	BA1.81/7.25 (Min.)	•	•	—	1 15/16	7¼	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
	BA1.81/7.25 (Max.)	•	•	✓	1 15/16	7¼	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
	WP1.81 H=7.25	•	•	✓	1 15/16	5½ to 30	4	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
1¾ x 9¼	BA1.81/9.25 (Min.)	•	•	—	1 15/16	9¼	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	2,980	2,660	1,495
	BA1.81/9.25 (Max.)	•	•	✓	1 15/16	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
	WP1.81 H=9.25	•	•	✓	1 15/16	5½ to 30	4	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
1¾ x 9½	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 15/16	9½	2½	2 5/8	(8) 0.162 x 3½	(2) 0.148 x 1½	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA1.81/9.5 (Min.)	•	•	—	1 15/16	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
	BA1.81/9.5 (Max.)	•	•	✓	1 15/16	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
	WP1.81 H=9.5	•	•	✓	1 15/16	5½ to 30	4	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
1¾ x 11¼	BA1.81/11.25 (Min.)	•	•	—	1 15/16	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
	BA1.81/11.25 (Max.)	•	•	✓	1 15/16	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
	WP1.81 H=11.25	•	•	✓	1 15/16	5½ to 30	4	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
1¾ x 11½	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 15/16	11 7/8	2½	2 5/8	(8) 0.162 x 3½	(2) 0.148 x 1½	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA1.81/11.88 (Min.)	•	•	—	1 15/16	11 7/8	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
	BA1.81/11.88 (Max.)	•	•	✓	1 15/16	11 7/8	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
	WP1.81 H=11.875	•	•	✓	1 15/16	5½ to 30	4	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
1¾ 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 15/16	14	2½	2 5/8	(8) 0.162 x 3½	(2) 0.148 x 1½	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA1.81/14 (Min.)	•	•	—	1 15/16	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
	BA1.81/14 (Max.)	•	•	✓	1 15/16	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
	WP1.81 H=14	•	•	✓	1 15/16	5½ to 30	4	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
1¾ x 16	ITS1.81/16	•	•	—	1 7/8	15 15/16	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 15/16	16	2½	2 5/8	(8) 0.162 x 3½	(2) 0.148 x 1½	215	2,550	2,140	2,115	2,575	1,665	1,230
	BA1.81/16 (Min.)	•	•	—	1 15/16	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
	BA1.81/16 (Max.)	•	•	✓	1 15/16	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
	WP1.81 H=16	•	•	✓	1 15/16	5½ to 30	4	2¾	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
2 x 9½	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	9½	3	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	2,980	2,660	1,495
	BA2.1/9.5 (Max.)	•	•	✓	2 1/8	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
	WP2.1 H=9.5	•	•	✓	2 1/8	5½ to 30	2½	2 3/8	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
2 x 11½	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
	MIT2.1/11.88	•	•	—	2 1/8	11 7/8	2½	2 5/8	(8) 0.162 x 3½	(2) 0.148 x 1½	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	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.1/11.88 (Max.)	•	•	✓	2 1/8	11 7/8	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
	WP2.1 H=11.875	•	•	✓	2 1/8	5½ to 30	2½	2 3/8	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
2 x 14	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
	BA2.1/14 (Min.)	•	•	—	2 1/8	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
	BA2.1/14 (Max.)	•	•	✓	2 1/8	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
	WP2.1 H=14	•	•	✓	2 1/8	5½ to 30	2½	2 3/8	(4) 0.162 x 2½	(2) 0.148 x 1½	—	3,095	3,605	3,605	2,985	2,230	2,030
2 x 16	ITS2.06/16	•	•	—	2 1/8	15 15/16	2	1 7/8	(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	2½	(16) 0.162 x 3½	(2) 0.148 x 1½	255	4,015	3,705	4,005	3,780	3,095	1,495
	BA2.1/16 (Max.)	•	•	✓	2 1/8	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
	WP2.1 H=16	•	•	✓	2 1/8	5½ to 30	2½	2 3/8	(4) 0.162 x 2½	(2) 0.148 x 1½	—	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 ^{d.7}	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. ⁷	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	DF/SCL I-Joist ^t
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	—	
	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			• —	2½	11⅞	2	1⅞	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085	
2½ x 11⅞	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	—	
2½ x 14	ITS2.56/14			• —	2½	13⅞	2	1⅞	(6) 0.148 x 3	—	120	1,550	1,365	1,780	1,470	1,150	1,085	
	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			• —	2½	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	
	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	—	
2½ x 24	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	
	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	—	
2½ x 26	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	—	
	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

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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	DF/SCL I-Joist ^t	
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 ⁷	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	DF/SCL I-Joist ⁴
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	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
	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	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
	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	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
	HIT418	•	•	•	✓	3⅝	18	3	2 3⁄8	(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	305	2,550	2,220	2,500	2,875	1,950	—
	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
	HIT420	•	•	•	✓	3⅝	20	3	2 3⁄8	(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	305	2,550	2,220	2,500	2,875	1,950	—
	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	—
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	—
3 1/2 x 26	HIT426	•	•	—	3 3/8	26	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	—
	BA3.56/26 (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	—
3 1/2 x 28	HIT428	•	•	—	3 3/8	28	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	—
	BA3.56/28 (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	—
3 1/2 x 30	HIT430	•	•	—	3 3/8	30	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	—
	BA3.56/30 (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	—
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

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†
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

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	DF/SCL I-Joist ^t
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. 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. ⁷	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	DF/SCL I-Joist ⁴
5 1/4 x 9 1/4	HB5.50/9.25	•		✓		5 1/2	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	—
	HWP5.37 H=9.25	•		✓		5 5/8	6 to 28	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	—
	HWP5.37 H=9.25	•		✓		5 5/8	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	—
	HGLTV5.37 H=9.25	•		✓		5 5/8	7 1/2 to 32 1/2	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	—
5 1/4 x 9 1/2	HB5.50/9.5	•		✓		5 1/2	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	—
	HWP5.37 H=9.5	•		✓		5 5/8	6 to 28	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	—
	HWP5.37 H=9.5	•		✓		5 5/8	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	—
	HGLTV5.37 H=9.5	•		✓		5 5/8	7 1/2 to 32 1/2	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	—
5 1/4 x 11 1/4	HB5.50/11.25	•		✓		5 1/2	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	—
	HWP5.37 H=11.25	•		✓		5 5/8	6 to 28	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	—
	HWP5.37 H=11.25	•		✓		5 5/8	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	—
	HGLTV5.37 H=11.25	•		✓		5 5/8	7 1/2 to 32 1/2	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	—
5 1/4 x 11 7/8	HB5.50/11.88	•		✓		5 1/2	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	—
	HWP5.37 H=11.875	•		✓		5 5/8	6 to 28	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	—
	HWP5.37 H=11.875	•		✓		5 5/8	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	—
	HGLTV5.37 H=11.875	•		✓		5 5/8	7 1/2 to 32 1/2	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	—
	EGQ5.37-SDS H=11.875	•				5 5/8	11 1/4 to 32	6	3	(28) 1/4 x 3 SDS	(12) 1/4 x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—
5 1/4 x 14	HB5.50/14	•		✓		5 1/2	14	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	—
	HWP5.37 H=14	•		✓		5 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	—
	HWP5.37 H=14	•		✓		5 5/8	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	—
	HGLTV5.37 H=14	•		✓		5 5/8	7 1/2 to 32 1/2	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	—
	EGQ5.37-SDS H=14	•				5 5/8	11 1/4 to 32	6	3	(28) 1/4 x 3 SDS	(12) 1/4 x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—
5 1/4 x 16	HB5.50/16	•		✓		5 1/2	16	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	—
	HWP5.37 H=16	•		✓		5 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	—
	HWP5.37 H=16	•		✓		5 5/8	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	—
	HGLTV5.37 H=16	•		✓		5 5/8	7 1/2 to 32 1/2	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	—
	EGQ5.37-SDS H=16	•				5 5/8	11 1/4 to 32	6	3	(28) 1/4 x 3 SDS	(12) 1/4 x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—
5 1/4 x 18	HB5.50/18	•		✓		5 1/2	18	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	—
	HWP5.37 H=18	•		✓		5 5/8	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	—
	HGLTV5.37 H=18	•		✓		5 5/8	7 1/2 to 32 1/2	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	—
	EGQ5.37-SDS H=18	•				5 5/8	11 1/4 to 32	6	3	(28) 1/4 x 3 SDS	(12) 1/4 x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—
5 1/4 x 20	HB5.50/20	•		✓		5 1/2	20	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	—
	HWP5.37 H=20	•		✓		5 5/8	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	—
	HGLTV5.37 H=20	•		✓		5 5/8	7 1/2 to 32 1/2	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	—
	EGQ5.37-SDS H=20	•				5 5/8	11 1/4 to 32	6	3	(28) 1/4 x 3 SDS	(12) 1/4 x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—
5 1/4 x 22	HWP5.37 H=22	•		✓		5 5/8	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	—
	HGLTV5.37X H=22	•		✓		5 5/8	7 1/2 to 32 1/2	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	—
	EGQ5.37-SDS H=22	•				5 5/8	4 to 30	6	3	(28) 1/4 x 3 SDS	(12) 1/4 x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—
5 1/4 x 24	HWP5.37 H=24	•		✓		5 5/8	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	—
	HGLTV5.37X H=24	•		✓		5 5/8	7 1/2 to 32 1/2	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	—
	EGQ5.37-SDS H=24	•				5 5/8	11 1/4 to 32	6	3	(28) 1/4 x 3 SDS	(12) 1/4 x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—
5 1/2 LAM	HB5.50X	•		✓		5 1/2	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	—
	HWP5.62	•		✓		5 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	—
	HWP5.62	•		✓		5 5/8	6 to 28	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	—
	HGLTV6	•		✓		5 9/16	7 1/2 to 32	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	—
	HGLTV6	•		—		5 9/16	7 1/2 to 32	6	2 1/2	(18) N54A	(6) N54A	2,450	—	—	—	10,720	—	—
	EGQ5.62-SDS	•				5 5/8	11 1/4 to 32	6	3	(28) 1/4 x 3 SDS	(12) 1/4 x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—
6 3/4 LAM	HB6.88X	•	•	•	✓	6 7/8	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	—
	HWP6.88	•	•	•	✓	6 7/8	6 to 28	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	—
	HGLTV7	•	•	•	✓	6 7/8	7 1/2 to 31 1/2	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	—
	HGLTV7	•	•	•	—	6 7/8	7 1/2 to 32	6	2 1/2	(18) N54A	(6) N54A	2,450	—	—	—	10,720	—	—
	HGLS7	•	•	•	—	6 7/8	7 1/2 to 32 1/2	6	SPEC	(28) N54A	(16) N54A	2,265	—	—	—	13,850	—	—
	EGQ6.88-SDS	•	•	•		6 7/8	11 1/4 to 32	6	3	(28) 1/4 x 3 SDS	(12) 1/4 x 3 SDS	7,670	19,800	18,680	19,800	17,085	12,915	—

I-Joist, Glulam and Structural Composite Lumber Connectors

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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. ⁷	W	H	B	TF	Header	Joist	Uplift (160)	LVL	PSL	LSL	DF/SP	SPF/HF	DF/SCL I-Joist ^t
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 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. 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

