

EWP PRODUCT GUIDE

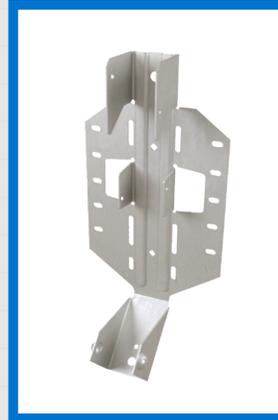
For Use With Products Manufactured by



TH017118



THFI2514



LSSH179



SKH1720L

Follow these instructions to ensure the proper installation of MiTek products.

- See current MiTek Product Catalog for General Notes, Warranty, and installation information for hanger models, joist sizes, and header situations not shown.
- Loads listed address hanger/header/fastener limitations assuming header material is Douglas Fir-Larch, Southern Pine, or LVL manufactured in the U.S. Joist reaction should be checked by a qualified designer to ensure proper hanger selection.
- Uplift loads have been increased 60% for wind or seismic loads and no further increase shall be permitted. Reduce loads according to code for normal duration loading such as cantilever construction.
- If hanger height is less than 60% of joist height, joist rotation may occur, therefore supplemental lateral restraints are required, see page 3.
- The type and quantity of fasteners used to install MiTek products is critical to connector performance. To achieve the allowable loads shown in this guide, install with the fasteners specified for that particular product. All specified

fasteners must be properly installed prior to applying load of any kind to the connection.

- Throughout this guide, dimensions are expressed in inches and allowable loads in pounds, unless specifically noted otherwise.
- Load values for 10d and 16d designations in the fastener schedules throughout this guide refer to common wire nails, unless noted otherwise.
- The allowable loads shown in this guide are based on Allowable Stress Design methodology.
- **Multiple I-Joist Plies:** Fasten together multiple plies of wood I-Joists, in accordance with the manufacturer's installation guidelines, such that the joists act as a single unit.
- **Sloped I-Joists:** Use hangers with sloped seats and beveled web stiffeners whenever the slope exceeds the following: 1/2:12 for seat bearing lengths of 2 1/2" or less; 3/8:12 for bearing lengths between 2 1/2" and 3 1/2"; and 1/4:12 for bearing lengths in excess of 3 1/2".

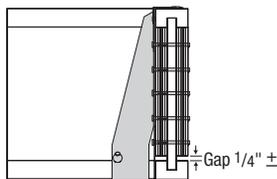
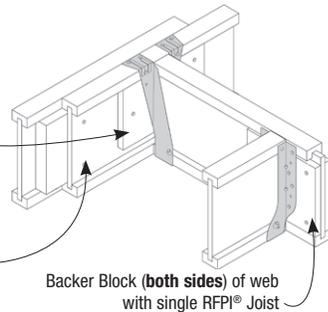
Backer Blocks – Pattern the nails used to install backer blocks or web stiffeners in wood I-Joists to avoid splitting the block. The nail pattern should be sufficiently spaced to avoid the same grain line, particularly with solid sawn backer blocks. Backer blocks must be installed on wood I-Joists

acting as the header, or supporting member. Install in accordance with the Roseburg Forest Products installation guidelines. The nails used to install hangers mounted to an I-Joist header must penetrate through the web and into the backer block on the opposite side.

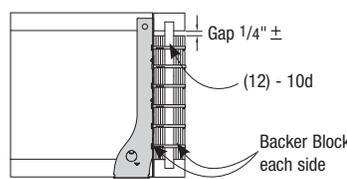
With top flange hangers, backer block required only for downward loads exceeding 250 lbs or for uplift conditions

Backer Block Installation:
Install tight to top flange (tight to bottom flange with face mount hangers). Attach with sixteen 10d (3") nails, clinched when possible

Filler Block Installation:
Nail with ten 10d (3") nails from each side



Typical THO backer block installation



Typical THF backer block installation

Filler and Backer Block sizes

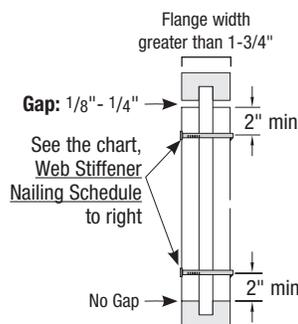
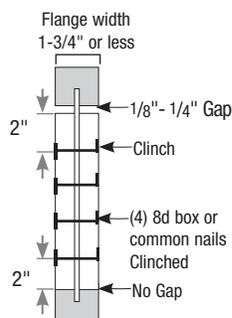
RFPI®-Joist Flange Width	Joist Depth	Backer Block		Net Filler Block Size
		Thickness Required	Minimum ¹ Depth	
1-3/4"	9-1/2"	23/32"	5-1/2"	1-3/8" x 5-1/2"
	11-7/8"		7-1/4"	
	14"	23/32"	7-1/4"	1-3/8" x 7-1/4"
2-1/16"	9-1/2"	7/8"	5-1/2"	1-3/4" x 5-1/2"
	11-7/8"		7-1/4"	
	14"	7/8"	7-1/4"	1-3/4" x 7-1/4"
2-5/16"	9-1/2"	1"	5-1/2"	2" x 5-1/2"
	11-7/8"		7-1/4"	
	14"	1"	7-1/4"	2" x 7-1/4"
2-1/2"	9-1/2"	1-1/8"	5-1/2"	2-1/8" x 5-1/2"
	11-7/8"		7-1/4"	
	14"	1-1/8"	7-1/4"	2-1/8" x 7-1/4"
3-1/2"	9-1/2"	1-1/2"	5-1/2"	3" x 5-1/2"
	11-7/8"		7-1/4"	
	14"	1-1/2"	7-1/4"	3" x 7-1/4"

1) For face-mount hangers use net joist depth minus 3-1/4".

Web Stiffener Requirements

Web stiffeners may be required as noted below:

- Web stiffeners are always required in hangers that do not extend up to support the top flange of the RFPI®-Joist. Web stiffeners may be required with certain sloped or skewed hangers or to achieve uplift values. Refer to the Roseburg Forest Products installation requirements.



Web Stiffener Sized Required

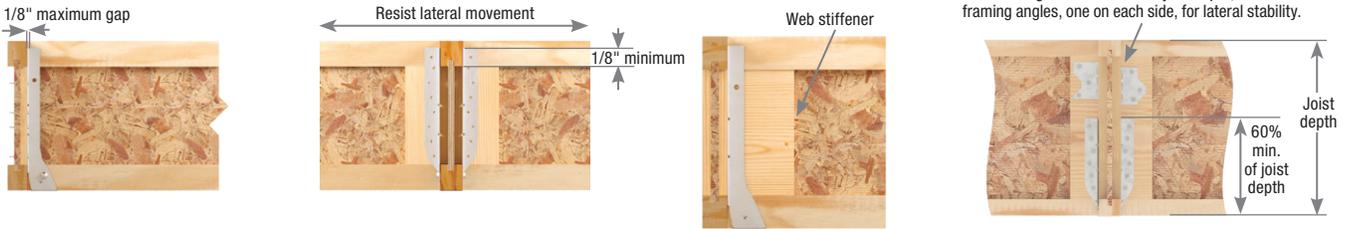
RFPI®-Joist Flange Width	Web Stiffener Size Each Side of Web
1-3/4"	19/32" x 2-5/16" minimum width
2-1/16"	3/4" x 2-5/16" minimum width
2-5/16"	7/8" x 2-5/16" minimum width
2-1/2"	1" x 2-5/16" minimum width
3-1/2"	1-1/2" x 2-5/16" minimum width

Support Height & Lateral Stability

Hangers for joists **without web stiffeners** must support the I-Joist's top flange and provide lateral resistance with no less than 1/8" contact.

be 60% of the joist height for stability during construction. If this cannot be accomplished, potential joist rotation must be resolved by other means.

MiTek recommends that hangers for joist **with web stiffeners** should



(Top flange support requirements can be verified in EWP Top Mount Hangers charts under Web stiffener Req'd. column) of MiTek's Product Catalog.

Nailer Installations

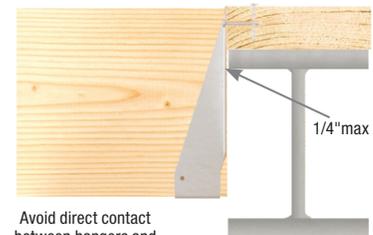
Correct Hanger Attachment to Nailers

A nailer or sill plate is considered to be any wood member attached to a steel beam, concrete block wall, concrete stem wall, or other type of support unsuitable for nailing which is used as a nailing surface for top mount hangers to hold beams or joists.

Nailer Sized Correctly

Top flange of hanger is fully supported and recommended nails have full penetration into nailer, resulting in a carried member hanging safely at the proper height.

The nailer must be sized to fit the support width as shown and be of sufficient thickness to satisfy recommended top flange nailing requirements. A design professional must specify nailer attachment to steel beams.

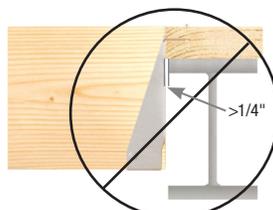


Wrong Nailer Size Causes Component Failure



⚠ Too Narrow

Top flange not fully supported can cause nail break-out. Or, by fully supporting top flange, hanger is tilted back, causing lifting of carried member which results in uneven surfaces and squeaky floors.



⚠ Too Wide

Loading can cause cross grain breaking of nailer. The recommended nailer overhang is 1/4" maximum per side.



⚠ Too Thin

Top flange nailing cannot fully penetrate nailer, causing reduced allowable loads. Never use hangers which require multiple face nails since the allowable loads are dependent on all nail holes being used.

Top Flange Hangers

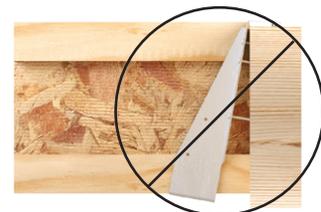
The thickness of the hanger metal and nail heads on top mount hangers must be evaluated for the effect on subsequent sheathing. Ensure the top mount hanger is installed so the flanges of the hanger are not over-spread which tends to elevate the supported I-Joist, causing uneven floor surfaces and squeaking. Similarly, ensure the hanger is installed plumb such that the face flanges of the hanger are mounted firmly against the wide-face surface of the header.



Flush framing



⚠ Hanger over-spread



⚠ Hanger not plumb

Joist Height	Top Mount Hangers ^{4,8}								Face Mount Hangers								
	MiTek Stock No. ^{1,6}	D Dim ⁷	Fastener Schedule ⁵				Uplift ³ 160%	Down ² 100%	MiTek Stock No. ^{1,6}	D Dim ⁷	Fastener Schedule ⁵				Uplift ³ 160%	Down ² 100%	
			Header		Joist						Header		Joist				
			Qty	Type	Qty	Type					Qty	Type	Qty	Type			
RFPI® 20 Joist Width = 1-3/4"																	
9-1/2	TH017950	2	6	10d	2	10d x 1-1/2	230	1235	IHFL17925	2-1/2	--	8	10d	--	--	50	960
11-7/8	TH017118	2	6	10d	2	10d x 1-1/2	230	1235	IHFL17112	2-1/2	--	10	10d	--	--	50	1200
14	TFL1714	2	6	10d	2	10d x 1-1/2	130	1585	IHFL1714	2-1/2	Min	12	10d	--	--	50	1440
											Max	14					1680
RFPI® 400 Joist Width = 2-1/16"																	
9-1/2	TFL2095	2	6	10d	2	10d x 1-1/2	130	1585	IHFL20925	2-1/2	--	8	10d	--	--	50	960
11-7/8	TFL20118	2	6	10d	2	10d x 1-1/2	130	1585	IHFL20112	2-1/2	--	10	10d	--	--	50	1200
14	TFL2014	2	6	10d	2	10d x 1-1/2	130	1585	IHFL2014	2-1/2	Min	12	10d	--	--	50	1440
											Max	14					1680
16	TFL2016	2	6	10d	2	10d x 1-1/2	130	1585	IHFL2016	2-1/2	Min	14	10d	--	--	50	1680
											Max	16					1920
RFPI® 40 & 70 Joist Width = 2-5/16"																	
9-1/2	TFL2395	2	6	10d	2	10d x 1-1/2	130	1585	IHFL23925	2-1/2	--	8	10d	--	--	50	960
11-7/8	TFL23118	2	6	10d	2	10d x 1-1/2	130	1585	IHFL23112	2-1/2	--	10	10d	--	--	50	1200
14	TFL2314	2	6	10d	2	10d x 1-1/2	130	1585	IHFL2314	2-1/2	Min	12	10d	--	--	50	1440
											Max	14					1680
16	TFL2316	2	6	10d	2	10d x 1-1/2	130	1585	IHFL2316	2-1/2	Min	14	10d	--	--	50	1680
											Max	16					1920
RFPI® 40S & 60S Joist Width = 2-1/2"																	
9-1/2	TFL2595	2	6	10d	2	10d x 1-1/2	130	1585	THFI2595	2-1/2	--	8	10d	--	--	125	960
11-7/8	TFL25118	2	6	10d	2	10d x 1-1/2	130	1585	THFI25118	2-1/2	--	10	10d	--	--	125	1200
14	TFL2514	2	6	10d	2	10d x 1-1/2	130	1585	THFI2514	2-1/2	Min	12	10d	--	--	125	1440
											Max	14					1680
16	TFL2516	2	6	10d	2	10d x 1-1/2	130	1585	IHFL2516	2-1/2	Min	14	10d	--	--	50	1680
											Max	16					1920
RFPI® 80S & 90 Joist Width = 3-1/2"																	
9-1/2	TH035950	2-3/8	10	10d	2	10d x 1-1/2	230	2370	IHFL35925	2-1/2	--	10	10d	--	--	50	1200
11-7/8	TH035118	2-3/8	10	10d	2	10d x 1-1/2	230	2525	IHFL35112	2-1/2	Min	10	10d	--	--	50	1200
											Max	12					1440
14	TH035140	2-3/8	12	10d	2	10d x 1-1/2	230	2400	IHFL3514	2-1/2	Min	12	10d	--	--	50	1440
											Max	14					1680
16	TH035160	2-3/8	12	10d	2	10d x 1-1/2	230	2400	IHFL3516	2-1/2	Min	14	10d	--	--	50	1680
											Max	16					1920

- 1) Web stiffeners may be required for non-shaded hangers by Roseburg Forest Products. See notes on page 2.
- 2) Loads listed are based on hanger attachment to a DF or SP species solid sawn, or RigidLam® LVL header. Some loads may be increased for duration of load adjustments. Refer to MiTek's Product Catalog for details.
- 3) Uplift loads have been increased 60% for wind and seismic loading; no further increase shall be permitted.
- 4) Top Mount Hangers require minimum 3" header thickness for THO series hangers; 3-1/2" minimum header thickness for all other stock numbers.
- 5) 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long, and 16d nails are 0.162" dia. x 3-1/2" long. 16d sinkers are 0.148" dia. x 3-1/4" long and may be used where 10d commons are specified.
- 6) Hangers utilizing 16d nails are not compatible with RFPI®-Joists.
- 7) D Dim is the length of the hanger seat.
- 8) For top mount hangers supported by I-Joist headers with a flange thickness less than 1-1/2", consult MiTek and Roseburg Forest Products for hanger limitations.



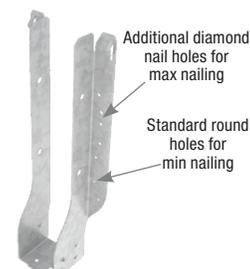
THO



TFL



THFI



IHFL

Joist Height	Adjustable Height Hangers								Skewed 45° Hangers								
	MiTek Stock No. ^{1,7}	D Dim ⁹	Fastener Schedule ⁴				Uplift ₃ 160%	Down ₂ 100%	MiTek Stock No. ^{1,5}	D Dim ⁹	Fastener Schedule ⁴				Uplift ₃ 160%	Down ₂ 100%	
			Header		Joist						Min/Max	Header		Joist			
			Qty	Type	Qty	Type						Qty	Type	Qty			Type
RFPI® 20 Joist Width = 1-3/4"																	
9-1/2	MSH1722 ¹⁰	1-3/4	6	10d	4	10d x 1-1/2	--	2390	SKH1720L/R	1-7/8	--	14	10d	10	10d x 1-1/2	1530	1650
11-7/8	MSH1722	1-3/4	6	10d	4	10d x 1-1/2	--	2390	SKH1720L/R	1-7/8	--	16	10d	10	10d x 1-1/2	1530	1650
14	MSH1722	1-3/4	6	10d	4	10d x 1-1/2	--	2390	SKH1724L/R	1-7/8	--	16	10d	10	10d x 1-1/2	1530	1890
RFPI® 400 Joist Width = 2-1/16"																	
9-1/2	MSH2022 ¹⁰	1-3/4	6	10d	4	10d	--	2390	SKH2020L/R	1-7/8	--	14	10d	10	10d x 1-1/2	1530	1650
11-7/8	MSH2022	1-3/4	6	10d	4	10d	--	2390	SKH2020L/R	1-7/8	--	14	10d	10	10d x 1-1/2	1530	1650
14	MSH2022	1-3/4	6	10d	4	10d	--	2390	SKH2024L/R	1-7/8	--	16	10d	10	10d x 1-1/2	1530	1890
16	MSH2022	1-3/4	6	10d	4	10d	--	2390	SKH2024L/R	1-7/8	--	16	10d	10	10d x 1-1/2	1530	1890
RFPI® 40 & 70 Joist Width = 2-5/16"																	
9-1/2	MSH2322	1-3/4	6	10d	4	10d x 1-1/2	--	2395	SKH2320L/R	1-7/8	--	14	10d	10	10d x 1-1/2	1530	1650
11-7/8	MSH2322	1-3/4	6	10d	4	10d x 1-1/2	--	2395	SKH2320L/R	1-7/8	--	14	10d	10	10d x 1-1/2	1530	1650
14	MSH2322	1-3/4	6	10d	4	10d x 1-1/2	--	2395	SKH2324L/R	1-7/8	--	16	10d	10	10d x 1-1/2	1530	1890
16	MSH2322	1-3/4	6	10d	4	10d x 1-1/2	--	2395	SKH2324L/R	1-7/8	--	16	10d	10	10d x 1-1/2	1530	1890
RFPI® 40S & 60S Joist Width = 2-1/2"																	
9-1/2	MSH322 ¹⁰	1-3/4	6	10d	4	10d x 1-1/2	--	2395	SKH2520L/R	1-7/8	--	14	10d	10	10d x 1-1/2	1530	1650
11-7/8	MSH322	1-3/4	6	10d	4	10d x 1-1/2	--	2395	SKH2520L/R	1-7/8	--	14	10d	10	10d x 1-1/2	1530	1650
14	MSH322	1-3/4	6	10d	4	10d x 1-1/2	--	2395	SKH2524L/R	1-7/8	--	16	10d	10	10d x 1-1/2	1530	1890
16	MSH322	1-3/4	6	10d	4	10d x 1-1/2	--	2395	SKH2524L/R	1-7/8	--	16	10d	10	10d x 1-1/2	1530	1890
RFPI® 80S & 90 Joist Width = 3-1/2"																	
9-1/2	MSH422	1-3/4	6	10d	6	10d	--	2530	HD410_SK45L/R_BV ^{6,8}	2-1/2	Min	14	16d	6	10d	880	2155
											Max	20					
11-7/8	MSH422	1-3/4	6	10d	6	10d	--	2530	HD410_SK45L/R_BV ^{6,8}	2-1/2	Min	14	16d	6	10d	880	2155
											Max	20					
14	MSH422	1-3/4	6	10d	6	10d	--	2530	HD414_SK45L/R_BV ^{6,8}	2-1/2	Min	18	16d	8	10d	1135	2770
											Max	26					
16	MSH422	1-3/4	6	10d	6	10d	--	2530	HD414_SK45L/R_BV ^{6,8}	2-1/2	Min	18	16d	8	10d	1135	2770
											Max	26					

- 1) Shaded hangers require web stiffeners at joist ends.
- 2) Loads listed are based on hanger attachment to a DF or SP species solid sawn, or RigidLam® LVL header. Some loads may be increased for duration of load adjustments. Refer to MiTek's Product Catalog for details.
- 3) Uplift loads have been increased 60% for wind and seismic loading; no further increase shall be permitted.
- 4) 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long, and 16d nails are 0.162" dia. x 3-1/2" long. 16d sinkers are 0.148" dia. x 3-1/4" long and may be used where 10d commons are specified.
- 5) Hangers utilizing 16d nails are not compatible with RFPI®-Joists.
- 6) Bevel cut required on end of joist to achieve design loads.
- 7) MSH allowable loads listed in this table assume Top-Min mounting condition installed with 4 - 10d top nails and 2 - 10d face nails. For MSH Face-Max and Top-Max mounting conditions not included in this table, refer to the current MiTek Product Catalog.
- 8) Hangers are special order. Contact MiTek for pricing and lead times.
- 9) D Dim is the length of the hanger seat.
- 10) Flanges on the bucket of the hanger may extend above the top of the joist.



MSH



SKH_L
left shown

Joist Height	Top Mount Hangers ^{4,8}								Face Mount Hangers								
	MiTek Stock No. ^{1,6}	D Dim ⁷	Fastener Schedule ⁵				Uplift ³ 160%	Down ² 100%	MiTek Stock No. ^{1,6}	D Dim ⁷	Fastener Schedule ⁵				Uplift ³ 160%	Down ² 100%	
			Header		Joist						Min/Max	Header		Joist			
			Qty	Type	Qty	Type						Qty	Type	Qty			Type
Double RFPI® 20																	
Joist Width = 3-1/2"																	
9-1/2	THO35950	2-3/8	10	10d	2	10d x 1-1/2	230	2370	IHF35925	2-1/2	Min	10	10d	2	10d x 1-1/2	330	1250
											Max	24	16d				3530
11-7/8	THO35118	2-3/8	10	10d	2	10d x 1-1/2	230	2525	IHF35112	2-1/2	Min	10	10d	2	10d x 1-1/2	330	1250
											Max	24	16d				3530
14	THO35140	2-3/8	12	10d	2	10d x 1-1/2	230	2400	IHF3514	2-1/2	Min	12	10d	2	10d x 1-1/2	330	1500
											Max	28	16d				4115
Double RFPI® 400																	
Joist Width = 4-1/8"																	
9-1/2	THO20950-2	3	10	16d	6	10d	1135	2920	IHF20925-2	2-1/2	Min	10	10d	2	10d x 1-1/2	330	1250
											Max	24	16d				3530
11-7/8	THO20118-2	3	10	16d	6	10d	1135	2920	IHF20112-2	2-1/2	Min	10	10d	2	10d x 1-1/2	330	1250
											Max	24	16d				3530
14	THO20140-2	3	10	16d	6	10d	1145	3640	IHF2014-2	2-1/2	Min	12	10d	2	10d x 1-1/2	330	1500
											Max	28	16d				3960
16	THO20160-2	3	10	16d	6	10d	1145	3640	IHF2014-2	2-1/2	Min	12	10d	2	10d x 1-1/2	330	1500
											Max	28	16d				3960
Double RFPI® 40 & 70																	
Joist Width = 4-5/8"																	
9-1/2	THO23950-2	3	10	16d	6	10d	1145	3640	IHF23925-2	2-1/2	Min	10	10d	2	10d x 1-1/2	330	1250
											Max	24	16d				3530
11-7/8	THO23118-2	3	10	16d	6	10d	1145	3640	THF23118-2	2-1/2	--	16	10d	6	10d	1135	1890
14	THO23140-2	3	12	16d	6	10d	1145	4420	THF23140-2	2-1/2	--	20	10d	6	10d	1275	2660
16	THO23160-2	3	12	16d	6	10d	1145	4420	THF23160-2	2-1/2	--	24	10d	6	10d	1275	3190
Double RFPI® 40S & 60S																	
Joist Width = 5"																	
9-1/2	THO25950-2	3	10	16d	6	10d	1145	3640	IHF25925-2	2-1/2	Min	10	10d	2	10d x 1-1/2	330	1250
											Max	24	16d				3530
11-7/8	THO25118-2	3	10	16d	6	10d	1145	3640	IHF25112-2	2-1/2	Min	10	10d	2	10d x 1-1/2	330	1250
											Max	24	16d				3530
14	THO25140-2	3	12	16d	6	10d	1145	4420	THF25140-2	2-1/2	--	20	10d	6	10d	1275	2660
16	THO25160-2	3	12	16d	6	10d	1145	4420	THF25160-2	2-1/2	--	24	10d	6	10d	1275	3190
Double RFPI® 80S & 90																	
Joist Width = 7"																	
9-1/2	BPH7195	3	10	16d	6	10d	1275	3100	HD7100	2-1/2	Min	14	16d	6	16d	1305	2155
											Max	18	16d	8	16d	1845	2770
11-7/8	BPH71118	3	10	16d	6	10d	1275	3075	HD7120	2-1/2	Min	16	16d	6	16d	1305	2465
											Max	22	16d	8	16d	1845	3390
14	BPH7114	3	10	16d	6	10d	1275	3075	HD7140	2-1/2	Min	20	16d	8	16d	1845	3080
											Max	26	16d	12	16d	2765	4005
16	BPH7116	3	10	16d	6	10d	1275	3075	HD7160	2-1/2	--	24	16d	8	10d	1560	3695

1) Shaded hangers require web stiffeners at joist ends. Web stiffeners may be required for non-shaded hangers by Roseburg Forest Products. See notes on page 2.

2) Loads listed are based on hanger attachment to a DF or SP species solid sawn, or RigidLam® LVL header.

Some loads may be increased for duration of load adjustments. Refer to MiTek's Product Catalog for details.

3) Uplift loads have been increased 60% for wind and seismic loading; no further increase shall be permitted.

4) Top Mount Hangers require minimum 3" header thickness for THO series hangers; 3-1/2" minimum header thickness for all other stock numbers.

5) 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long, and 16d nails are 0.162" dia. x 3-1/2" long.

16d sinkers are 0.148" dia. x 3-1/4" long and may be used where 10d commons are specified.

6) Hangers utilizing 16d nails are not compatible with RFPI®-Joists.

7) D Dim is the length of the hanger seat.

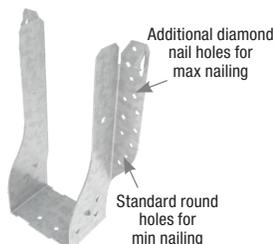
8) For top mount hangers supported by I-Joist headers with a flange thickness less than 1-1/2", consult MiTek and Roseburg Forest Products for hanger limitations.



THO Double



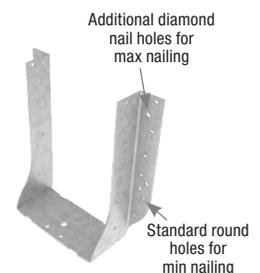
BPH



IHF



THF Double



HD

Joist Height	Adjustable Height Hangers								Skewed 45° Hangers								
	MiTek Stock No. ^{1,5,10}	D Dim ⁹	Fastener Schedule ⁴				Uplift ³ 160%	Down ² 100%	MiTek Stock No. ^{1,6}	D Dim ⁹	Fastener Schedule ⁴				Uplift ³ 160%	Down ² 100%	
			Header		Joist						Min/Max	Header		Joist			
			Qty	Type	Qty	Type						Qty	Type	Qty			Type
Double RFPI® 20																	
Joist Width = 3-1/2"																	
9-1/2	MSH422	1-3/4	6	10d	6	10d	--	2530	HD410_SK45L/R_BV ^{6,8}	2-1/2	Min	14	16d	6	10d	880	2155
											Max	20		10		1465	3080
11-7/8	MSH422	1-3/4	6	10d	6	10d	--	2530	HD410_SK45L/R_BV ^{6,8}	2-1/2	Min	14	16d	6	10d	880	2155
											Max	20		10		1465	3080
14	MSH422	1-3/4	6	10d	6	10d	--	2530	HD414_SK45L/R_BV ^{6,8}	2-1/2	Min	18	16d	8	10d	1135	2770
											Max	26		12		1755	4005
Double RFPI® 400																	
Joist Width = 4-1/8"																	
9-1/2	See current MiTek Product Catalog for specialty hanger options								SKH2020L/R-2 ⁷	3-1/2	--	14	10d	10	10d	1645	1710
11-7/8									SKH2020L/R-2 ⁷	3-1/2	--	14	10d	10	10d	1645	1710
14									SKH2024L/R-2 ⁷	3-1/2	--	16	10d	10	10d	1680	1950
16									SKH2024L/R-2 ⁷	3-1/2	--	16	10d	10	10d	1680	1950
Double RFPI® 40 & 70																	
Joist Width = 4-5/8"																	
9-1/2	MSH2322-2	1-3/4	6	10d	4	10d	--	2530	SKH2320L/R-2 ⁷	3-1/2	--	14	10d	10	10d	1645	1710
11-7/8	MSH2322-2	1-3/4	6	10d	4	10d	--	2530	SKH2320L/R-2 ⁷	3-1/2	--	14	10d	10	10d	1645	1710
14	MSH2322-2	1-3/4	6	10d	4	10d	--	2530	SKH2324L/R-2 ⁷	3-1/2	--	16	10d	10	10d	1680	1950
16	MSH2322-2	1-3/4	6	10d	4	10d	--	2530	SKH2324L/R-2 ⁷	3-1/2	--	16	10d	10	10d	1680	1950
Double RFPI® 40S & 60S																	
Joist Width = 5"																	
9-1/2	MSH2622-2	1-3/4	6	10d	4	10d	--	2530	SKH2520L/R-2 ⁷	3-1/2	--	14	10d	10	10d	1645	1710
11-7/8	MSH2622-2	1-3/4	6	10d	4	10d	--	2530	SKH2520L/R-2 ⁷	3-1/2	--	14	10d	10	10d	1645	1710
14	MSH2622-2	1-3/4	6	10d	4	10d	--	2530	SKH2524L/R-2 ⁷	3-1/2	--	16	10d	10	10d	1680	1950
16	MSH2622-2	1-3/4	6	10d	4	10d	--	2530	SKH2524L/R-2 ⁷	3-1/2	--	16	10d	10	10d	1680	1950
Double RFPI® 80S & 90																	
Joist Width = 7"																	
9-1/2	MSH422-2	2	8	16d	6	16d	--	3740	HD7100_SK45L/R_BV ^{6,8}	2-1/2	Min	14	16d	6	16d	980	2155
											Max	18	16d	8	16d	1385	2770
11-7/8	MSH422-2	2	8	16d	6	16d	--	3740	HD7120_SK45L/R_BV ^{6,8}	2-1/2	Min	16	16d	6	16d	980	2465
											Max	22		8		1385	3390
14	MSH422-2	2	8	16d	6	16d	--	3740	HD7140_SK45L/R_BV ^{6,8}	2-1/2	Min	20	16d	8	16d	1385	3080
											Max	26		12		2075	4005
16	MSH422-2	2	8	16d	6	16d	--	3740	HD7160_SK45L/R_BV ^{6,8}	2-1/2	--	24	16d	8	10d	1170	3695

- 1) Shaded hangers require web stiffeners at joist ends.
- 2) Loads listed are based on hanger attachment to a DF or SP species solid sawn, or RigidLam® LVL header. Some loads may be increased for duration of load adjustments. Refer to MiTek's Product Catalog for details.
- 3) Uplift loads have been increased 60% for wind and seismic loading; no further increase shall be permitted.
- 4) 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long, and 16d nails are 0.162" dia. x 3-1/2" long. 16d sinkers are 0.148" dia. x 3-1/4" long and may be used where 10d commons are specified.
- 5) For additional sizes, stock numbers, and modifications not shown, refer to MiTek's Product Catalog.
- 6) Bevel cut required on end of joist to achieve design loads.
- 7) Hangers utilizing 16d nails are not compatible with RFPI®-Joists.
- 8) Hangers are special order. Consult MiTek for pricing and lead times.
- 9) D Dim is the length of the hanger seat.
- 10) MSH allowable loads listed in this table assume Top-Min mounting condition installed with 4 - 10d top nails and 2 - 10d face nails. For MSH Face-Max and Top-Max mounting conditions not included in this table, refer to the current MiTek Product Catalog.



Joist Height	Top Mount Hangers ³								Face Mount Hangers								
	MiTek Stock No.	D Dim ⁷	Fastener Schedule ⁴				Uplift ² 160%	Down ¹ 100%	MiTek Stock No.	D Dim ⁷	Fastener Schedule ⁴				Uplift ² 160%	Down ¹ 100%	
			Header		Joist						Min/Max	Header		Joist			
			Qty	Type	Qty	Type						Qty	Type	Qty			Type
1-3/4" RIGIDLAM® LVL																	
9-1/4	BPH17925	2-3/8	10	16d	4	10d x 1-1/2	850	2970	HD17925	2-1/2	Min 18 Max 24	18d	6 10	10d x 1-1/2	1170 1900	2770 3695	
	PHXU17925	3-1/4	8	16d	6	10d x 1-1/2	930	4350	HUS179 ⁵	3	--	30	16d	10	16d	4110	5580
9-1/2	BPH1795	2-3/8	10	16d	4	10d x 1-1/2	850	2970	HD17925	2-1/2	Min 18 Max 24	16d	6 10	10d x 1-1/2	1170 1900	2770 3695	
	PHXU1795	3-1/4	8	16d	6	10d x 1-1/2	930	4350	HUS179 ⁵	3	--	30	16d	10	16d	4110	5580
11-1/4	BPH17112	2-3/8	10	16d	4	10d x 1-1/2	850	2970	HD17112	2-1/2	Min 22 Max 30	16d	6 12	10d x 1-1/2	1170 1900	3390 4320	
	PHXU17112	3-1/4	8	16d	6	10d x 1-1/2	930	4350	HUS179 ⁵	3	--	30	16d	10	16d	4110	5580
11-7/8	BPH17118	2-3/8	10	16d	4	10d x 1-1/2	850	2970	HD17112	2-1/2	Min 22 Max 30	16d	6 12	10d x 1-1/2	1170 1900	3390 4320	
	PHXU17118	3-1/4	8	16d	6	10d x 1-1/2	930	4350	HUS179 ⁵	3	--	30	16d	10	16d	4110	5580
14	BPH1714	2-3/8	10	16d	4	10d x 1-1/2	850	2970	HD1714	2-1/2	Min 28 Max 36	16d	8 14	10d x 1-1/2	1510 1900	3790 4580	
	PHXU1714	3-1/4	8	16d	6	10d x 1-1/2	930	4350	HUS179 ⁵	3	--	30	16d	10	16d	4110	5580
16	BPH1716	2-3/8	10	16d	4	10d x 1-1/2	850	2970	HD1714	2-1/2	Min 28 Max 36	16d	8 14	10d x 1-1/2	1510 1900	3790 4580	
	--	--	--	--	--	--	--	--	HD1714	2-1/2	Min 28 Max 36	16d	8 14	10d x 1-1/2	1510 1900	3790 4580	
2 Ply 1-3/4" RIGIDLAM® LVL or 3-1/2" RIGIDLAM® LVL																	
9-1/4	HBPH35925	3-1/2	22	16d	10	16d	2705	6310	THD410	3	--	38	16d	20	10d	3905	5850
	HLBH35925	6	15	NA16D-RS	6	16d	1420	10045	THDH410 ⁵	4	--	46	16d	12	16d	4345	9020
9-1/2	HBPH3595	3-1/2	22	16d	10	16d	2705	6310	THD410	3	--	38	16d	20	10d	3905	5850
	HLBH3595	6	15	NA16D-RS	6	16d	1420	10045	THDH410 ⁵	4	--	46	16d	12	16d	4345	9020
11-1/4	HBPH35112	3-1/2	22	16d	10	16d	2705	6310	THD410	3	--	38	16d	20	10d	3905	5850
	HLBH35112	6	15	NA16D-RS	6	16d	1420	10045	THDH412 ⁵	4	--	38	16d	14	16d	5290	9710
11-7/8	HBPH35118	3-1/2	22	16d	10	16d	2705	6310	THD410	3	--	38	16d	20	10d	3905	5850
	HLBH35118	6	15	NA16D-RS	6	16d	1420	10045	THDH412 ⁵	4	--	38	16d	14	16d	5290	9710
14	HBPH3514	3-1/2	22	16d	10	16d	2705	6310	THD410	3	--	38	16d	20	10d	3905	5850
	HLBH3514	6	15	NA16D-RS	6	16d	1420	10045	THDH414 ⁵	4	--	38	16d	16	16d	5305	11325
16	HBPH3516	3-1/2	22	16d	10	16d	2705	6310	THD412	3	--	38	16d	20	10d	3905	7045
	HLBH3516	6	15	NA16D-RS	6	16d	1420	10045	THDH414 ⁵	4	--	38	16d	16	16d	5305	11325
18	HBPH3518	3-1/2	22	16d	10	16d	2705	6310	THD412	3	--	38	16d	20	10d	3905	7045
	HLBH3518	6	15	NA16D-RS	6	16d	1420	10045	THDH414 ⁵	4	--	38	16d	16	16d	5305	11325

- 1) Loads listed are based on hanger attachment to a DF or SP species LVL header. Some loads may be increased for duration of load adjustments. Refer to MiTek's Product Catalog for details.
- 2) Uplift loads have been increased 60% for wind and seismic loading; no further increase shall be permitted.
- 3) Top Mount Hangers require a minimum 3" header thickness for THO series hangers; 3-1/2" minimum header thickness for all other stock numbers.
- 4) 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long, and 16d nails are 0.162" dia. x 3-1/2" long. 16d sinkers are 0.148" dia. x 3-1/4" long and may be used where 10d commons are specified.
- 5) Joist nails need to be toe nailed at a 30° to 45° angle with the carried member to achieve listed loads for THDH and HUS models.
- 6) Supplemental lateral support connection recommended when hanger height is less than 60% of joist height.
- 7) D Dim is the length of the hanger seat.



Joist Height	Top Mount Hangers ³								Face Mount Hangers								
	MiTek Stock No. ⁶	D Dim ⁸	Fastener Schedule ⁴				Uplift ² 160%	Down ¹ 100%	MiTek Stock No. ⁶	D Dim ⁸	Fastener Schedule ⁴				Uplift ² 160%	Down ¹ 100%	
			Header		Joist						Min/Max	Header		Joist			
			Qty	Type	Qty	Type						Qty	Type	Qty			Type
3 Ply 1-3/4" RIGIDLAM® LVL or 5-1/4" RIGIDLAM® LVL																	
9-1/4	HBPH55925	3-1/2	22	16d	10	16d	2705	6185	THD610	3	--	38	16d	20	10d	4035	6535
	HLBH55925	6	15	NA16D-RS	6	16d	1580	10045	THDH610 ⁵	4	--	46	16d	16	16d	5290	9020
9-1/2	HBPH5595	3-1/2	22	16d	10	16d	2705	6185	THD610	3	--	38	16d	20	10d	4035	6535
	HLBH5595	6	15	NA16D-RS	6	16d	1580	10045	THDH610 ⁵	4	--	46	16d	16	16d	5290	9020
11-1/4	HBPH55112	3-1/2	22	16d	10	16d	2705	6185	THD610	3	--	38	16d	20	10d	4035	6535
	HLBH55112	6	15	NA16D-RS	6	16d	1580	10045	THDH612 ⁵	4	--	56	16d	20	16d	5290	9530
11-7/8	HBPH55118	3-1/2	22	16d	10	16d	2705	6185	THD610	3	--	38	16d	20	10d	4035	6535
	HLBH55118	6	15	NA16D-RS	6	16d	1580	10045	THDH612 ⁵	4	--	56	16d	20	16d	5290	9530
14	HBPH5514	3-1/2	22	16d	10	16d	2705	6185	THD610	3	--	38	16d	20	10d	4035	6535
	HLBH5514	6	15	NA16D-RS	6	16d	1580	10045	THDH614 ⁵	4	--	66	16d	22	16d	5305	11325
16	HBPH5516	3-1/2	22	16d	10	16d	2705	6185	THD612	3	--	48	16d	20	10d	4035	8255
	HLBH5516	6	15	NA16D-RS	6	16d	1580	10045	THDH614 ⁵	4	--	66	16d	22	16d	5305	11325
18	HBPH5518	3-1/2	22	16d	10	16d	2705	6185	THD612	3	--	48	16d	20	10d	4035	8255
	HLBH5518	6	15	NA16D-RS	6	16d	1580	10045	THDH614 ⁵	4	--	66	16d	22	16d	5305	11325
4 Ply 1-3/4" RIGIDLAM® LVL or 7" RIGIDLAM® LVL																	
9-1/4	HBPH71925	3-1/2	22	16d	10	16d	2705	6185	THD7210	3	--	38	16d	20	10d	4035	6535
	HLBH71925	6	15	NA16D-RS	6	16d	1580	10045	THDH7210 ⁵	4	--	46	16d	12	16d	4345	9020
9-1/2	HBPH7195	3-1/2	22	16d	10	16d	2705	6185	THD7210	3	--	38	16d	20	10d	4035	6535
	HLBH7195	6	15	NA16D-RS	6	16d	1580	10045	THDH7210 ⁵	4	--	46	16d	12	16d	4345	9020
11-1/4	HBPH71112	3-1/2	22	16d	10	16d	2705	6185	THD7210	3	--	38	16d	20	10d	4035	6535
	HLBH71112	6	15	NA16D-RS	6	16d	1580	10045	THDH7212 ⁵	4	--	56	16d	14	16d	5290	9020
11-7/8	HBPH71118	3-1/2	22	16d	10	16d	2705	6185	THD7210	3	--	38	16d	20	10d	4035	6535
	HLBH71118	6	15	NA16D-RS	6	16d	1580	10045	THDH7212 ⁵	4	--	56	16d	14	16d	5290	9020
14	HBPH7114	3-1/2	22	16d	10	16d	2705	6185	THD7210	3	--	38	16d	20	10d	4035	6535
	HLBH7114	6	15	NA16D-RS	6	16d	1580	10045	THDH7214 ⁵	4	--	66	16d	16	16d	5305	11325
16	HBPH7116	3-1/2	22	16d	10	16d	2705	6185	HD7120	2-1/2	Min 16 Max 22	16d	6 8	16d	1305 1845	2465 3390	
	HLBH7116	6	15	NA16D-RS	6	16d	1580	10045	THDH7214 ⁵	4	--	66	16d	16	16d	5305	11325
18	HBPH7118	3-1/2	22	16d	10	16d	2705	6185	HD7140	2-1/2	Min 20 Max 26	16d	8 12	16d	1845 2765	3080 4005	
	HLBH7118	6	15	NA16D-RS	6	16d	1580	10045	THDH7214 ⁵	4	--	66	16d	16	16d	5305	11325

- 1) Loads listed are based on hanger attachment to a DF or SP species LVL header. Some loads may be increased for duration of load adjustments. Refer to MiTek's Product Catalog for details.
- 2) Uplift loads have been increased 60% for wind and seismic loading; no further increase shall be permitted.
- 3) Top Mount Hangers require a minimum 3" header thickness for THO series hangers; 3-1/2" minimum header thickness for all other stock numbers.
- 4) 10d nails are 0.148" dia. x 3" long, NA16D-RS nails are 0.148" dia. x 3-1/2" long, 16d nails are 0.162" dia. x 3-1/2" long. 16d sinkers are 0.148" dia. x 3-1/4" long and may be used where 10d commons are specified.
- 5) Joist nails need to be toe nailed at a 30° to 45° angle with the carried member to achieve listed loads for THDH models.
- 6) For additional sizes, stock numbers, and modifications not shown, refer to MiTek's Product Catalog.
- 7) Supplemental lateral support connection recommended when hanger height is less than 60% of joist height.
- 8) D Dim is the length of the hanger seat.



HBPH



HLBH



THD



THDH

Slope/Skew Hangers

The LSSH series connects rafters to ridge beams in vaulted roof structures. This series is field adjustable to meet a variety of skew and/or slope applications. Slopes and skews 0° to 45°.

Installation:

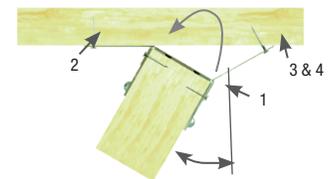
- Use all specified fasteners.

Steps: (See LSSH Figure 1)

1. Position LSSH connector against plumb-cut end of joist. Fasten joist side flanges on both sides with 10d (0.148") x 1-1/2" HDG nails. Bend seat up to fit against joist bottom and drive (1) 10d (0.148") x 1-1/2" HDG nail through bottom seat into joist bottom flange. Drive (2) 10d (0.148") x 1-1/2" HDG nail at downward angle through dimpled nailing guides.
 2. Lean connector and rafter end against ridge beam at desired position. Install 10d (0.148" x 3") HDG or 16d (0.162" x 3-1/2") HDG nails through nail holes into ridge beam at right 90° angle. If skewing the rafter, only drive nails into ridge beam on inside flange.
 3. Bend flange to desired angle.
 4. Hammer outside flange until edge touches header. Fasten outside flange to ridge by driving 10d (0.148" x 3") HDG or 16d (0.162" x 3-1/2") HDG nails through nail holes.
- Web stiffeners are required for all wood I-Joist installations.
 - Designer may consider adding a tension restraint for the supported member for roof slopes exceeding 6/12.

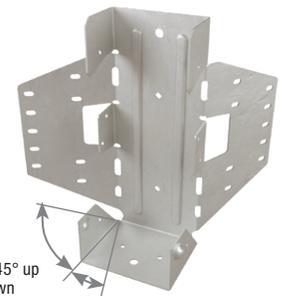


Typical LSSH installation



Skew to 45° maximum

LSSH Figure 1



Slope to 45° up or down

LSSH

Joist Height	MiTek Stock No. ^{1,6}	Installation Type	Fastener Schedule ⁴				DF	
			Header		Joist		Uplift ³ 160%	Down ² 100%
			Qty	Type	Qty	Type		
RFPI[®] 20			Joist Width = 1-3/4"					
9-1/2 – 14	LSSH179-TZ	Sloped Only	10	10d HDG	7	10d x 1-1/2 HDG	880	1200
		Skewed Only or Sloped & Skewed	10	10d HDG	7	10d x 1-1/2 HDG	880	1200
RFPI[®] 400			Joist Width = 2-1/16"					
9-1/2 – 16	LSSH20-TZ	Sloped Only	10	10d HDG	7	10d x 1-1/2 HDG	795	1200
		Skewed Only or Sloped & Skewed	10	10d HDG	7	10d x 1-1/2 HDG	795	1200
RFPI[®] 40 & 70			Joist Width = 2-5/16"					
9-1/2 – 16	LSSH23-TZ	Sloped Only	10	10d HDG	7	10d x 1-1/2 HDG	795	1200
		Skewed Only or Sloped & Skewed	10	10d HDG	7	10d x 1-1/2 HDG	795	1200
RFPI[®] 40S & 60S			Joist Width = 2-1/2"					
9-1/2 – 16	LSSH25-TZ	Sloped Only	18	16d HDG	12	10d x 1-1/2 HDG	945	2095
		Skewed Only or Sloped & Skewed	14	16d HDG	12	10d x 1-1/2 HDG	945	1610
RFPI[®] 80S & 90			Joist Width = 3-1/2"					
9-1/2 – 16	LSSH35-TZ	Sloped Only	18	16d HDG	12	10d x 1-1/2 HDG	1310	2645
		Skewed Only or Sloped & Skewed	14	16d HDG	12	10d x 1-1/2 HDG	1310	1610

1) Shaded hangers require web stiffeners at joist ends.

2) Loads listed are based on hanger attachment to a DF species solid sawn, or RigidLam[®] LVL header. Some loads may be increased for duration of load adjustments. Refer to MiTek Product Catalog for details.

3) Uplift loads have been increased 60% for wind and seismic loading; no further increase shall be permitted.

4) 10d x 1-1/2 HDG nails are 0.148" dia. x 1-1/2" long, 10d HDG nails are 0.148" dia. x 3" long.

5) Hangers utilizing 16d nails are not compatible with RFPI[®]-Joists.

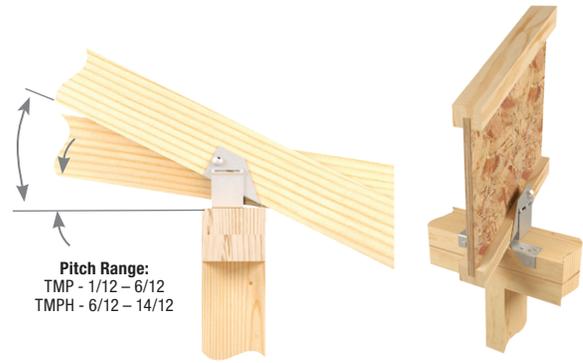
6) Supplemental lateral support connection recommended when hanger height is less than 60% of joist height.

Variable Pitch Connectors

The **TMP** and **TMPH** are designed to make rafter-to-plate connections and eliminate time-consuming bird's-mouth notching or bevel plate installation.

Installation:

- Use all specified fasteners.
- Position connector on top plate. Fasten connector to outside of top plate with specified nails. Insert rafter into rafter pocket. Adjust rafter and pocket to correct pitch. Fasten rafter to connector with specified nails. Installing the **TMP** require driving specified nails through the opposing slots in the pocket. **TMPH** installation involves sliding the fulcrum until it supports the pocket at the desired pitch and nailing down through the fulcrum base into the top plate to lock the fulcrum into position.

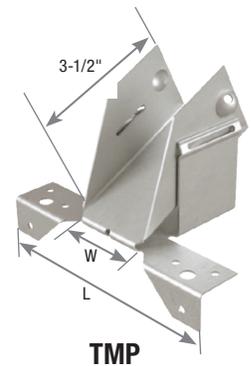


TMP chart

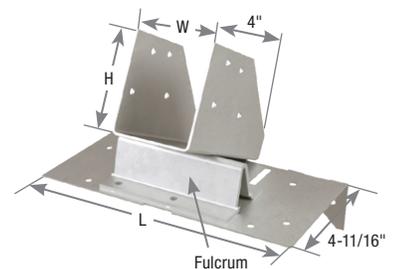
Joist Height	MiTek Stock No.	Fastener Schedule ⁴				DF	
		Plate		Rafter		Uplift ³ 160%	Down ² 100%
		Qty	Type	Qty	Type		
RFPI® 20							
All	TMP175	6	10d	4	10d x 1-1/2	245	1705
RFPI® 400							
All	TMP21	6	10d	4	10d x 1-1/2	245	1705
RFPI® 40 & 70							
All	TMP23	6	10d	4	10d x 1-1/2	245	1705
RFPI® 40S & 60S							
All	TMP25	6	10d	4	10d x 1-1/2	245	1705
RFPI® 80S & 90							
All	TMP4	6	10d	4	10d x 1-1/2	245	1705

- 1) Web stiffeners may be required for hanger by Roseburg Forest Products.
- 2) Loads listed are based on hanger attachment to a DF species solid sawn or RigidLam® LVL header. Loads are governed by test results; no further increase shall be permitted.
- 3) Uplift loads have been increased 60% for wind and seismic loading; no further increase shall be permitted.
- 4) 10d x 1-1/2 nails are 0.148" diameter x 1-1/2" long, 10d nails are 0.148" diameter x 3" long.

Typical TMP installation



Typical TMPH installation



TMPH

TMPH chart

Joist Height	MiTek Stock No. ¹	Fastener Schedule ⁴				DF										
		Plate		Rafter		According to Pitch ²										Uplift ³ 160%
		Top Qty	Side Qty	Type	Qty	Type	6/12	7/12	8/12	9/12	10/12	11/12	12/12	13/12	14/12	
RFPI® 20		Joist Width = 1-3/4"														
All	TMPH175	8	2	10d	8	10d x 1-1/2	3190	3290	3390	3140	2900	2710	2520	2230	1950	330
RFPI® 400		Joist Width = 2-1/16"														
All	TMPH21	8	2	10d	8	10d x 1-1/2	3190	3290	3390	3140	2900	2710	2520	2230	1950	330
RFPI® 40 & 70		Joist Width = 2-5/16"														
All	TMPH23	8	2	10d	8	10d x 1-1/2	3190	3290	3390	3140	2900	2710	2520	2230	1950	330
RFPI® 40S & 60S		Joist Width = 2-1/2"														
All	TMPH25	8	2	10d	8	10d x 1-1/2	3190	3290	3390	3140	2900	2710	2520	2230	1950	330
RFPI® 80S & 90		Joist Width = 3-1/2"														
All	TMPH4	8	2	10d	8	10d x 1-1/2	3190	3290	3390	3140	2900	2710	2520	2230	1950	330

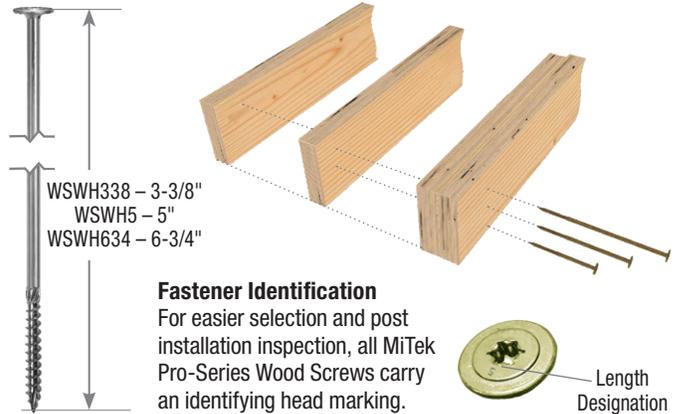
- 1) Web stiffeners are required for all Wood I-Joist installations.
- 2) Loads listed are based on hanger attachment to a DF species solid sawn or RigidLam® LVL header. Loads are governed by test results; no further increase shall be permitted.
- 3) Uplift loads have been increased 60% for wind and seismic loading; no further increase shall be permitted.
- 4) 10d x 1-1/2 nails are 0.148" diameter x 1-1/2" long, 10d nails are 0.148" diameter x 3" long.

WSWH Series Washer Head Screw Applications - Joining 2, 3, or 4 Ply RIGIDLAM® LVL Members



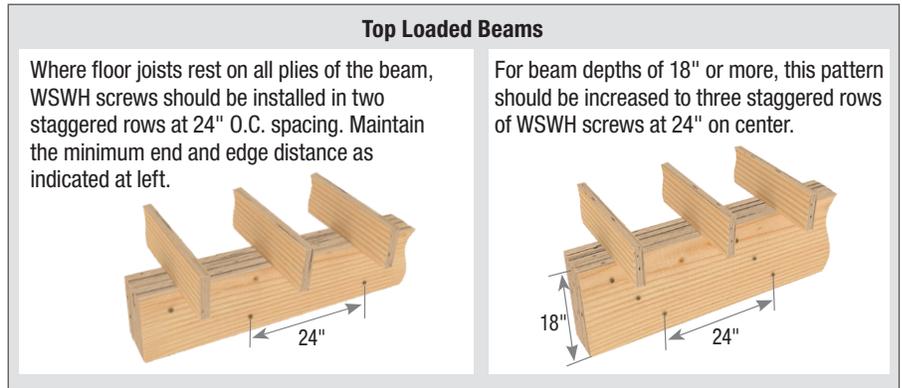
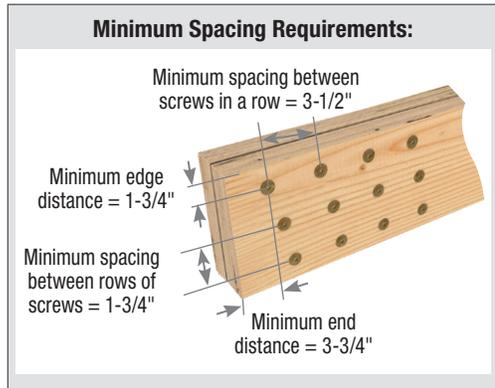
Installation:

- Using a standard 1/2" low speed/high torque drill, install screws into the side of the outermost ply. As the threads fully engage the final ply, allow the underside of the washer head to pull the plies firmly together. Washer head will install flush with the surface of the wood, but do not overdrive as this may damage the beam.
- Beams wider than 7" require special consideration by the design professional. The values in the table below do not apply.
- Excessively warped or curved LVL should never be forced into alignment by use of clamps, screws or bolts as splitting may occur, potentially decreasing the carrying capacity of the beam.
- A qualified designer or engineer should always be consulted for critical assemblies and fastening requirements.

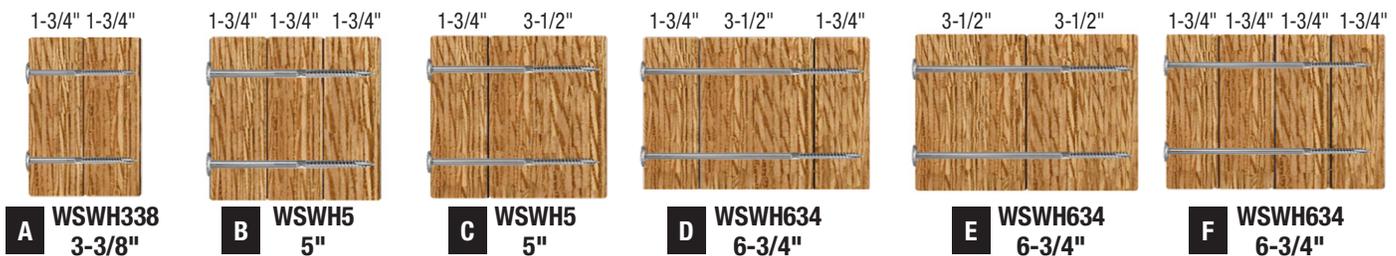


Fastener Identification

For easier selection and post installation inspection, all MiTek Pro-Series Wood Screws carry an identifying head marking.



Fastener Size Selection by Assembly Type



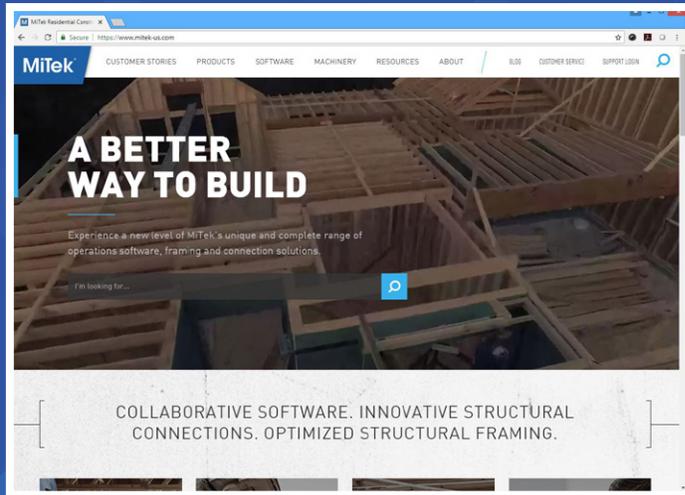
Side Loaded Beams – Where floor joists are joined to the side of the beam (typically using a joist hanger), this load chart must be used to establish the proper pattern based on the design load as determined by the engineer and noted on the plans.

Length (in)	MiTek Stock No.	No. of Screws Vertical Column	Spacing Between Screws in a Row (in)	Allowable Uniform Load Applied to Either Outside Member by Assembly Type (lbs/lineal ft) (See Graphics) ^{1,2,3,4,5}		
				EWP Wood Specific Gravity G ≥ 0.50		
				A	B	C
3-3/8	WSWH338	2	24	600	--	--
			19.2	755		
			16	905		
		3	24	905	--	--
			19.2	1130		
			16	1355		
5	WSWH5	2	24	--	430	535
			19.2	--	535	670
			16	--	645	805
		3	24	--	645	805
			19.2	--	805	1005
			16	--	965	1210
6-3/4	WSWH634	2	24	--	--	475
			19.2	--	--	595
			16	--	--	715
		3	24	--	--	715
			19.2	--	--	895
			16	--	--	1075
Head Side Multiplier ⁶				1.06	1.25	1

- 1) Allowable loads are derived from tested fastener values as reported in ICC-ES ESR-2761.
- 2) The uniform loads in this table relate only to the capacity of the fastener to transfer shear loads between plies. The equivalent specific gravity (SG) and the capacity of the EWP should be verified with manufacturer's literature.
- 3) Values listed reflect 100% load duration. (CD=1.0) The designer may apply adjustment factors to increase or decrease these loads per the NDS based on conditions for each assembly.
- 4) Load values depicted assume all uniform load is applied to the outermost ply.
- 5) To minimize rotation, 7" wide beams shall be side loaded only when loads are applied to both sides of the beam with the lesser loaded side bearing at least 25% of the overall design load.
- 6) When the uniform load is applied to the outermost ply with the screw head, listed allowable loads can be multiplied by this value.

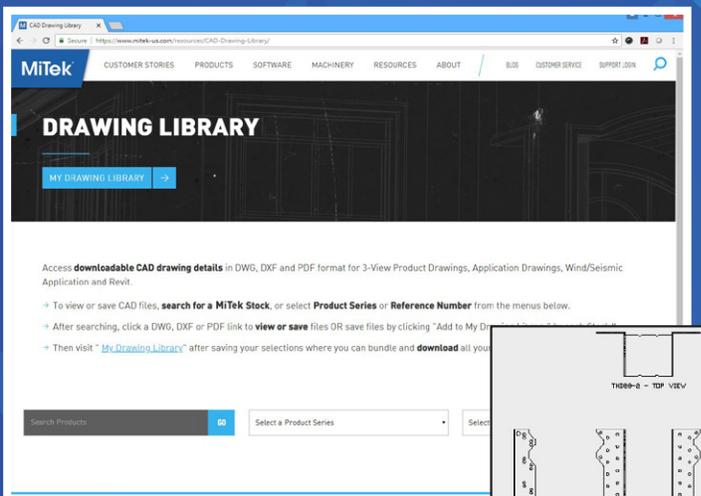
SPECIFICATION TOOLS

Available at [MiTek-US.com](https://www.MiTek-US.com)



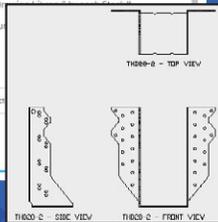
Comprehensive Web Site

- Contains all MiTek literature in a printable .pdf format
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Drawing Library

- Drawing Library contains over 350 illustrations in .DXF and .DWG formats
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