

Face Mount I-Joist Hangers

IHFL / IHF series

IHFL (18GA) and IHF (16GA) series face mount hangers feature speed prongs for temporary placement and seat cleats to grab the bottom flange of the supported I-joist. Diamond holes in header and joist allow for optional Max nailing for customized fastening to match allowable load needed. Install nails in all fastener holes where the Max allowable load is needed while lighter load capacities can be achieved with a quick installation of round holes only, saving you time and money on the jobsite.

Features:

- Seat Cleats lock bottom chord of I-joist eliminating need for joist nails.
- Dimples with diamond nail holes for optional joist nailing when higher uplift loads are needed.
- Min/Max nailing provide flexible installation options.

Materials: IHFL – 18 gauge; IHF – 16 gauge

Finish: G90 galvanizing

Options: See Specialty Options Chart

Codes: ESR-3445

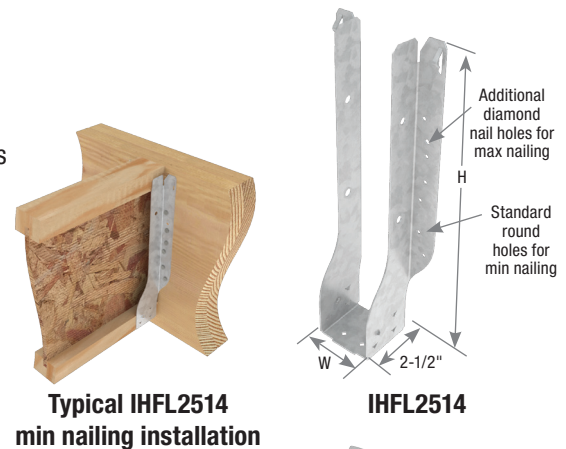
Patents: U.S. Patent #5,564,248

Installation:

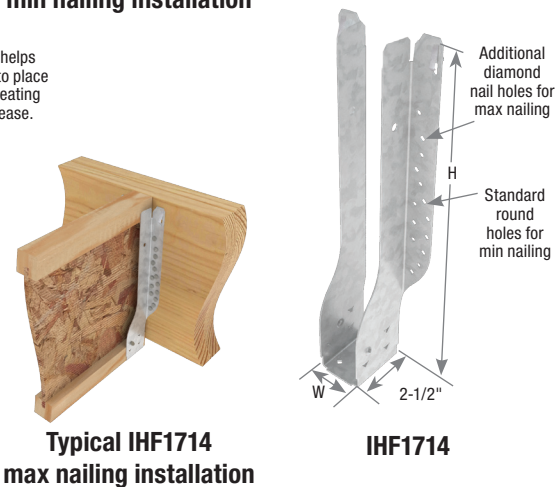
- Use all specified fasteners.
- Position I-joist into hangers and tap or push into place to fully seat joist and engage cleats.
- Web stiffeners are not required unless specified by the I-joist manufacturer.
- **Min Nailing** – Fill all round nail holes.
- **Max Nailing** – Fill all round and diamond holes.
- **IHFL** – For additional uplift capacity, install (2) 10d (0.148") x 1-1/2" nails through diamond dimple holes into the bottom chord of I-joist member for a total uplift of 220 lbs.
- **IHF** – Uplift capacity for hangers installed without joist nails is 65 lbs.

Raised Dimple nail holes allow 30° to 45° nailing into I-Joist bottom flange.

Seat Cleat[®] helps lock I-Joist into place for positive seating and nailing ease.



Typical IHFL2514
min nailing installation



Typical IHF1714
max nailing installation

Joist Size (in)	USP Stock No.	Ref. No.	GA	Dimensions (in)		Fastener Schedule ²						DF/SP Allowable Loads (Lbs.)				Ctn Qty
				W	H	Min/ Max	Header		Joist		Download			Uplift 160% ¹		
							Qty	Type	Qty	Type	100%	115%	125%			
1-1/2 x 9-1/4 - 9-1/2	IHFL15925	IUS1.56/9.5	18	1-1/2	9-1/16	--	8	10d	--	--	960	1095	1180	50	25	
	IHF15925	MIU1.56/9	16	1-1/2	9-1/16	Min	8	10d	2	10d x 1-1/2	1000	1120	1210	330	50	
						Max	20	16d			2905	2905	2905			
1-1/2 x 11-1/4 - 11-7/8	IHFL15112	IUS1.56/11.88	18	1-1/2	11-1/16	--	10	10d	--	--	1200	1370	1475	50	25	
	IHF15112	MIU1.56/11	16	1-1/2	11-1/16	Min	10	10d	2	10d x 1-1/2	1250	1405	1515	330	50	
						Max	24	16d			3065	3095	3115			
1-1/2 x 14	IHF1514	--	16	1-1/2	13-1/2	Min	12	10d	2	10d x 1-1/2	1500	1685	1815	330	25	
						Max	28	16d			3065	3095	3115			
	IHF16925	--	16	1-5/8	9	Min	8	10d	2	10d x 1-1/2	1000	1120	1210	330	50	
Max	20	16d	2905	2905	2905											
1-5/8 x 9-1/4 - 9-1/2	IHF16112	--	16	1-5/8	11	Min	10	10d	2	10d x 1-1/2	1250	1405	1515	330	50	
						Max	24	16d			3295	3325	3350			
	IHF1614	--	16	1-5/8	13-7/16	Min	12	10d	2	10d x 1-1/2	1500	1685	1815	330	25	
Max	28	16d	3295	3325	3350											
1-3/4 x 9-1/4 - 9-1/2	IHFL17925	IUS1.81/9.5	18	1-3/4	8-15/16	--	8	10d	--	--	960	1095	1180	50	25	
	IHF17925	MIU1.81/9	16	1-3/4	8-15/16	Min	8	10d	2	10d x 1-1/2	1000	1120	1210	330	50	
						Max	20	16d			2905	2905	2905			
1-3/4 x 11-7/8	IHFL17112	IUS1.81/11.88	18	1-3/4	10-15/16	--	10	10d	--	--	1200	1370	1475	50	25	
	IHF17112	MIU1.81/11	16	1-3/4	10-15/16	Min	10	10d	2	10d x 1-1/2	1250	1405	1515	330	50	
						Max	24	16d			3530	3560	3585			

1) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.

2) **NAILS:** 10d x 1-1/2" nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long, 16d nails are 0.162" dia. x 3-1/2" long.

Load tables address hanger/header/fastener limitations only. Joist limitations must be determined for each installation.

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Joist Size (in)	USP Stock No.	Ref. No.	GA	Dimensions (in)		Fastener Schedule ²					DF/SP Allowable Loads (Lbs.)				Ctn Qty	
				W	H	Min/ Max	Header		Joist		Download			Uplift 160% ¹		
							Qty	Type	Qty	Type	100%	115%	125%			
1-3/4 x 14	IHFL1714	IUS1.81/14	18	1-3/4	13-3/8	Min	12	10d	--	--	1440	1640	1770	50	25	
			Max	14	1680	1915	2065									
	IHF1714	MIU1.81/14	16	1-3/4	13-3/8	Min	12	10d	2	10d x 1-1/2	1500	1685	1815	330	25	
			Max	28	16d					3530	3560	3585				
1-3/4 x 16	IHFL1716	IUS1.81/16	18	1-3/4	15-7/8	Min	14	10d	--	--	1680	1915	2065	50	25	
			Max	16	1920	2190	2360									
	IHF1716	MIU1.81/16	16	1-13/16	15-3/4	Min	14	10d	2	10d x 1-1/2	1750	1965	2120	330	10	
			Max	30	16d					3530	3560	3585				
2 - 2-1/8 x 9-1/2	IHFL20925	IUS2.06/9.5	18	2-1/16	8-3/4	--	8	10d	--	--	960	1095	1180	50	25	
	IHF20925	--	16	2-1/8	8-7/8	Min	8	10d	2	10d x 1-1/2	1000	1120	1210	330	50	
			Max	20	16d			2905			2905	2905				
	IHFL20112	IUS2.06/11.88	18	2-1/16	11-5/16	--	10	10d	--	--	1200	1370	1475	50	25	
2 - 2-1/8 x 11-7/8	IHF20112	MIU2.1/11	16	2-1/8	11-3/16	Min	10	10d	2	10d x 1-1/2	1250	1405	1515	330	50	
			Max	24	16d			3530			3965	3965				
	2 - 2-1/8 x 14	IHFL2014	IUS2.06/14	18	2-1/16	13-3/16	Min	12	10d	--	--	1440	1640	1770	50	25
				Max	14	1680	1915	2065								
IHF2014		--	16	2-1/8	13-1/4	Min	12	10d	2	10d x 1-1/2	1500	1685	1815	330	50	
			Max	28	16d			4115			4150	4170				
2 - 2-1/8 x 16	IHFL2016	IUS2.06/16	18	2-1/16	15-11/16	Min	14	10d	--	--	1680	1915	2065	50	25	
			Max	16	1920	2190	2360									
2-5/16 x 9-1/2	IHFL23925	IUS2.37/9.5	18	2-5/16	9-3/16	--	8	10d	--	--	960	1095	1180	50	25	
	IHF23925	MIU2.37/9	16	2-5/16	9-3/16	Min	10	10d	2	10d x 1-1/2	1250	1335	1335	330	25	
			Max	24	16d			3530			4000	4320				
	2-5/16 x 11-7/8	IHFL23112	IUS2.37/11.88	18	2-5/16	11-3/16	--	10	10d	--	--	1200	1370	1475	50	25
IHF23112		MIU2.37/11	16	2-5/16	11-3/16	Min	10	10d	2	10d x 1-1/2	1250	1405	1515	330	25	
			Max	24	16d			3530			3965	3965				
2-5/16 x 14		IHFL2314	IUS2.37/14	18	2-5/16	13-1/2	Min	12	10d	--	--	1440	1640	1770	50	25
			Max	14	1680	1915	2065									
	IHF2314	MIU2.37/14	16	2-5/16	13-1/2	Min	12	10d	2	10d x 1-1/2	1500	1685	1815	330	25	
			Max	28	16d			4115			4440	4440				
2-5/16 x 16	IHFL2316	IUS2.37/16	18	2-5/16	15-9/16	Min	14	10d	--	--	1680	1915	2065	50	25	
			Max	16	1920	2190	2360									
	IHF2316	MIU2.37/16	16	2-5/16	15-9/16	Min	14	10d	2	10d x 1-1/2	1750	1965	2120	330	25	
			Max	30	16d			4410			4440	4440				
2-5/16 x 18	IHF2318	MIU2.37/18	16	2-5/16	17-1/8	Min	14	10d	2	10d x 1-1/2	1750	1965	2120	330	25	
		Max	30	16d			4410	4440			4440					
2-1/2 x 9-1/4 - 9-1/2	IHFL25925	IUS2.56/9.25 IUS2.56/9.5	18	2-1/2	9-1/8	--	8	10d	--	--	960	1095	1180	50	25	
	IHF25925	MIU2.56/9	16	2-1/2	9-1/8	Min	10	10d	2	10d x 1-1/2	1250	1335	1335	330	50	
			Max	24	16d			3530			4000	4320				
	2-1/2 x 11-1/4 - 11-7/8	IHFL25112	IUS2.56/11.88	18	2-1/2	11-1/8	--	10	10d	--	--	1200	1370	1475	50	25
IHF25112		MIU2.56/11	16	2-1/2	11-1/8	Min	10	10d	2	10d x 1-1/2	1250	1335	1335	330	50	
			Max	24	16d			3530			3965	3965				
2-1/2 x 14		IHFL2514	IUS2.56/14	18	2-1/2	13-7/16	Min	12	10d	--	--	1440	1640	1770	50	25
			Max	14	1680	1915	2065									
	IHF2514	MIU2.56/14	16	2-1/2	13-7/16	Min	12	10d	2	10d x 1-1/2	1500	1685	1815	330	25	
			Max	28	16d			4115			4440	4440				
2-1/2 x 16	IHFL2516	IUS2.56/16	18	2-1/2	15-1/2	Min	14	10d	--	--	1680	1915	2065	50	25	
			Max	16	1920	2190	2360									
	IHF2516	MIU2.56/16	16	2-1/2	15-1/2	Min	14	10d	2	10d x 1-1/2	1750	1965	2120	330	25	
			Max	30	16d			4410			4440	4440				
2-5/8 x 9-1/4 - 9-1/2	IHF26925	--	16	2-5/8	9-1/16	Min	10	10d	2	10d x 1-1/2	1250	1335	1335	330	50	
		Max	24	16d			3530	4000			4320					
2-5/8 x 11-1/4 - 11-7/8	IHF26112	--	16	2-5/8	11-1/16	Min	10	10d	2	10d x 1-1/2	1250	1335	1335	330	50	
						Max	24	16d					3530			3965
2-5/8 x 14	IHF2614	--	16	2-5/8	13-3/8	Min	12	10d	2	10d x 1-1/2	1500	1685	1815	330	25	
		Max	28	16d			4115	4440			4440					

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				W	H	Min/ Max	Header		Joist		Download			Uplift 160% ¹		
							Qty	Type	Qty	Type	100%	115%	125%			
2-5/8 x 16	IHF2616	--	16	2-5/8	15-7/16	Min	14	10d	2	10d x 1-1/2	1750	1965	2120	330	25	
						Max	30	16d			4410	4440	4440			
3 x 9-1/4	IHF15925-2	MIU3.12/9	16	3-1/8	9-3/16	Min	10	10d	2	10d x 1-1/2	1250	1335	1335	330	25	
						Max	24	16d			3530	4000	4320			
3 x 11-1/4	IHF15112-2	MIU3.12/11	16	3-1/8	10-13/16	Min	10	10d	2	10d x 1-1/2	1250	1335	1335	330	25	
						Max	24	16d			3530	3965	3965			
3-1/4 x 9-1/4	IHF16925-2	--	16	3-3/8	9-1/16	Min	10	10d	2	10d x 1-1/2	1250	1335	1335	330	25	
						Max	24	16d			3530	4000	4320			
3-1/4 x 11-1/4	IHF16112-2	--	16	3-3/8	10-3/4	Min	10	10d	2	10d x 1-1/2	1250	1335	1335	330	25	
						Max	24	16d			3530	3965	3965			
3-1/2 x 9-1/4 - 9-1/2	IHFL35925	IUS3.56/9.5	18	3-1/2	8-5/8	--	10	10d	--	--	1200	1370	1475	50	25	
	IHF35925	MIU3.56/9	16	3-1/2	8-5/8	Min	10	10d	2	10d x 1-1/2	1250	1335	1335	330	25	
						Max	24	16d	2	10d x 1-1/2	3530	4000	4320			
3-1/2 x 11-1/4 - 11-7/8	IHFL35112	IUS3.56/11.88	18	3-1/2	10-5/8	Min	10	10d	--	--	1200	1370	1475	50	25	
						Max	12				1440	1640	1770			
	IHF35112	MIU3.56/11	16	3-1/2	10-5/8	Min	10	10d	2	10d x 1-1/2	1250	1335	1335	330	25	
						Max	24				16d	3530	3965			3965
3-1/2 x 14	IHFL3514	IUS3.56/14	18	3-1/2	12-15/16	Min	12	10d	--	--	1440	1640	1770	50	25	
						Max	14				1680	1915	2065			
	IHF3514	MIU3.56/14	16	3-1/2	12-15/16	Min	12	10d	2	10d x 1-1/2	1500	1685	1815	330	25	
						Max	28				16d	4115	4440			4440
3-1/2 x 16	IHFL3516	IUS3.56/16	18	3-1/2	15	Min	14	10d	--	--	1680	1915	2065	50	25	
						Max	16				1920	2190	2360			
	IHF3516	MIU3.56/16	16	3-1/2	15	Min	14	10d	2	10d x 1-1/2	1750	1965	2120	330	25	
						Max	30				16d	4410	4440			4440
3-1/2 x 18	IHF3518	MIU3.56/18	16	3-1/2	16-9/16	Min	14	10d	2	10d x 1-1/2	1750	1965	2120	330	10	
						Max	30	16d			4410	4440	4440			
4 - 4-3/16 x 9-1/2	IHF20925-2	MIU4.12/9, MIU4.28/9	16	4-3/16	8-11/16	Min	10	10d	2	10d x 1-1/2	1250	1405	1515	330	25	
						Max	24	16d			3530	3965	3965			
4 - 4-3/16 x 11-7/8	IHF20112-2	MIU4.12/11, MIU4.28/11	16	4-3/16	11	Min	10	10d	2	10d x 1-1/2	1250	1405	1515	330	25	
						Max	24	16d			3530	3965	3965			
4 - 4-3/16 x 14	IHF2014-2	MIU4.12/14, MIU4.28/14	16	4-3/16	13-5/8	Min	12	10d	2	10d x 1-1/2	1500	1685	1815	330	25	
						Max	28	16d			3965	3965	3965			
4-5/8 x 9-1/4	IHF23925-2	MIU4.75/9	16	4-3/4	8-3/8	Min	10	10d	2	10d x 1-1/2	1250	1405	1515	330	10	
						Max	24	16d			3530	3965	3965			
5 x 9-1/4	IHF25925-2	MIU5.12/9	16	5-1/8	8-3/16	Min	10	10d	2	10d x 1-1/2	1250	1405	1515	330	10	
						Max	24	16d			3530	3965	3965			
5 x 11-1/4	IHF25112-2	MIU5.12/11	16	5-1/8	10-7/16	Min	10	10d	2	10d x 1-1/2	1250	1405	1515	330	10	
						Max	24	16d			3530	3965	3965			

1) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.

2) **NAILS:** 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long, 16d nails are 0.162" dia. x 3-1/2" long.

Load tables address hanger/header/fastener limitations only. Joist limitations must be determined for each installation.



Specialty Options Chart

Option	Skewed ^{1,3,4,5}	Sloped Seat ^{2,3,4}	Sloped / Skewed ^{1,2,3,4}	Inverted Flange ⁴
Range	1° to 67-1/2° when width is 1-3/4" or less. 1° to 50° on all others.	1° to 45°	See Sloped Seat and Skewed	Not available in widths less than 2-1/4"
Allowable Loads	100% of table load. 75% of uplift load on skews greater than 15°.	100% of table load	80% of table load. 75% of uplift load on skews greater than 15°.	100% of table load. 65% of table load when nailing into the support members end grain.
Ordering	Add SK, angle required, right (R) or left (L), and square cut (SQ) or bevel cut (BV) to product number. Example: IHF23925_SK45R_BV	Add SL, slope required, and up (U) or down (D), to product number. Example: IHF23925_SL30D	See Sloped Seat and Skewed Example: IHF23925_SK45R_BV_SL30D	Add IF, to product number. Example: IHF23925_IF

1) Skewed hangers with skews greater than 15° may have all joist nailing on outside flange.

2) Sloped or sloped / skewed hangers with slopes greater than 15° may have additional joist nails.

3) For skewed hangers, the required cut type (square or bevel) of joist member may vary based on skew angle and width of hanger.

Some square cut hangers will require custom pricing due to welded back plate.

4) Modifications to IHFL or IHF hangers do not feature seat cleats or optional nailing.

5) Skewed hangers may require web stiffeners to be installed in order to facilitate joist nail installations.