

**SW** – Light-duty hanger.

**SWH** – Medium-duty hanger.

**KHW** – Heavy-duty hanger installs with NA20D nails for higher load capacities.

**Materials:** SW top flange - 12 gauge;  
stirrup - 12 gauge;  
SWH top flange - 7 gauge;  
stirrup - 12 gauge;  
KHW top flange - 3 gauge;  
stirrup - 10 gauge.

**Finish:** USP primer

**Options:** All nominal lumber sizes are available for rough/full size lumber. See Specialty Options below.

**Codes:** ESR-2104, FL820,  
L.A. City RR 25745

**Installation:**

- Use all specified fasteners. See Product Notes, page 11.
- NA20D nails are supplied with KHW hangers.
- For welded installations see page 198.
- **KHW models are not recommended for use with LVL, PSL, or LSL members.**

**Nailer Installation Chart** – chart represents maximum allowable loads for hangers used on wood nailers. Reference page 115.

USP Stock No.	Nailer Size	Fastener Schedule <sup>1,2,3</sup>		Allowable Loads (Lbs.) <sup>4</sup>	
		Header	Joist	DF-L / SP	S-P-F
SW	2X	(2) 10d x 1-1/2	(2) 10d x 1-1/2	1635	1115
SWH	2X	(2) 10d x 1-1/2	(2) 10d	2600	1770
	3X	(2) 16d x 2-1/2	(2) 10d	3350	2280
KHW	3X	(4) 16d x 2-1/2	(2) 10d	5180	3525

- 1) 10d x 1-1/2 nails are 9 gauge (0.148" diameter) by 1-1/2" long.
- 2) 16d x 2-1/2 nails are 8 gauge (0.162" diameter) by 2-1/2" long.
- 3) Minimum nail embedment shall be 1-1/2" for 10d nails.
- 4) Listed loads shall not be increased.

**Specialty Options Chart** – refer to Specialty Options pages 194, 196 to 197 for additional details.

Option	Skewed <sup>1</sup>	Sloped Seat <sup>2</sup>	Sloped / Skewed <sup>1,2</sup>	Sloped Top Flange <sup>3</sup>	Top Flange Offset		Saddle	Ridge
Range	1° to 84°	1° to 45°	See Sloped Seat and Skewed	0° to 35°	--		--	0° to 45°
Allowable Loads	100% of table load	100% of table load	100% of table load	Reduce allowable table loads using straight-line interpolation	Hanger Width 3-1/2" or less 3-9/16" to 5-1/2" 5-9/16" to 7-1/2"	% of table load: 60% 75% 85%	100% of table load per side	100% of table load
Ordering	Add SK, angle required, and right (R) or left (L), to product number. Ex. SW212-SK45R	Add SL, slope required, and up (U) or down (D), to product number. Ex. SW212-SL30D	See Sloped Seat and Skewed. Ex. SW212-SK45RSL30D	Add SF, angle required, and right (R) or left (L), to product number. Ex. SW212-SF30L	Add OS, and right (R) or left (L), to product number. Ex. SW212-OSL		Add SA, and saddle width required to product number. Ex. SW212-SA=5-1/2"	Add DA, angle required to product number. Ex. SW212-DA30

- 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) Sloped top flanges with greater than 15° may have additional header nails.

## LIGHT GAUGE PURLIN HANGERS – HL SERIES

These top mount hangers are designed for supporting floor joists or 2x purlins. The top mount style allows builders to drop in joists or purlins quickly.

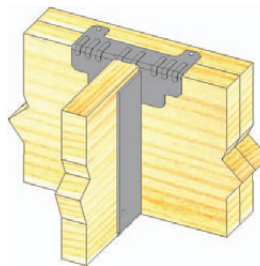
**Materials:** 18 gauge

**Finish:** G90 galvanizing

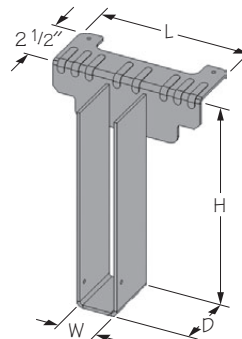
**Codes:** ESR-1280, FL11664, LA City RR 25749

**Installation:**

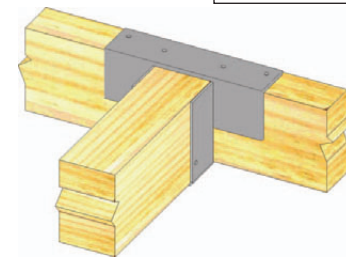
- Use all specified fasteners. See Product Notes, page 11.



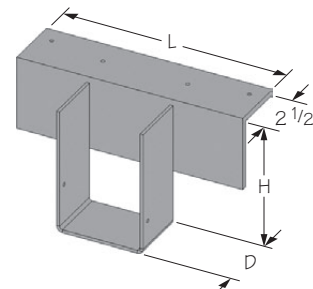
Typical **SW210** installation



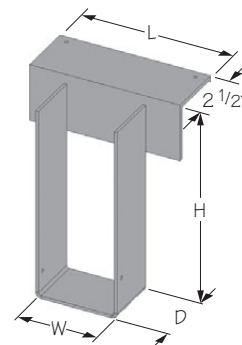
**SW210**



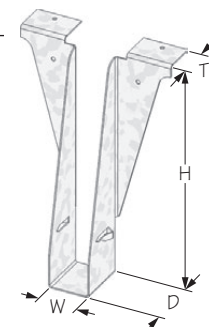
Typical **KHW46** installation



**KHW46**



**SWH410**



**HL210**

Beam/ Joist Size	USP Stock No.	Ref. No.	Steel Gauge	Dimensions					Fastener Schedule <sup>2,3,4,5</sup>						Allowable Loads (Lbs.) <sup>6</sup>				Code Ref.
				W	H	D	L	TF	Header			Joist			DF-L / SP				
									Qty		Type	Qty	Type	Floor	Roof	Uplift <sup>1</sup>			
									100%	115%	125%	160%							
(3) 2 x 14	HDO214-3	HU214-3TF	12	4-11/16	13	2-1/2	--	2-1/2	4	14	16d	8	16d	5175	5410	5410	1710	5, F30, R5	
(3) 2 x 16	HDO216-3	HU216-3TF	12	4-11/16	15	2-1/2	--	2-1/2	4	16	16d	8	16d	5475	5915	6210	1905	5, F30, R5	
6 x 6	HDO66	HU66TF	12	5-1/2	5-3/8	2-1/2	--	2-1/2	4	6	16d	4	16d	3050	3050	3050	955	5, F30, R5	
	SWH66	WNP66	7/12	5-1/2	5-3/8	2-1/2	7	2-1/2	2	---	10d	2	10d	3305	3305	3305	---	8, F14, R9	
	KHW66	HW66	3/10	5-1/2	5-3/8	2-1/2	10	2-1/2	4	---	NA20D	2	10d	5335	5335	5335	---	8, F14, R9	
6 x 8	HDO68	HHB68, HU68TF	12	5-1/2	7-1/8	2-1/2	--	2-1/2	4	8	16d	4	16d	3825	3825	3825	955	5, F30, R5	
	SWH68	WNP68	7/12	5-1/2	7-1/8	2-1/2	7	2-1/2	2	---	10d	2	10d	3305	3305	3305	---	8, F14, R9	
	KHW68	HW68	3/10	5-1/2	7-1/8	2-1/2	10	2-1/2	4	---	NA20D	2	10d	5335	5335	5335	---	8, F14, R9	
6 x 10	HDO610	B610, HHB610, HU610TF	12	5-1/2	9-1/8	2-1/2	--	2-1/2	4	10	16d	6	16d	4565	4565	4565	1430	5, F30, R5	
	SWH610	WNP610	7/12	5-1/2	9-1/8	2-1/2	7	2-1/2	2	---	10d	2	10d	3305	3305	3305	---	8, F14, R9	
	KHW610	HW610	3/10	5-1/2	9-1/8	2-1/2	10	2-1/2	4	---	NA20D	2	10d	5335	5335	5335	---	8, F14, R9	
6 x 12	HDO612	B612, HHB612, HU612TF	12	5-1/2	11	2-1/2	--	2-1/2	4	12	16d	6	16d	4880	5230	5465	1430	5, F30, R5	
	KHW612	HW612	3/10	5-1/2	11-1/8	2-1/2	10	2-1/2	4	---	NA20D	2	10d	5335	5335	5335	---	8, F14, R9	
6 x 14	HDO614	B614, HHB614, HU614TF	12	5-1/2	13	2-1/2	--	2-1/2	4	14	16d	8	16d	5175	5410	5410	1710	5, F30, R5	
	KHW614	HW614	3/10	5-1/2	13-1/8	2-1/2	10	2-1/2	4	---	NA20D	2	10d	5335	5335	5335	---	8, F14, R9	
6 x 16	HDO616	B616, HHB616, HU616TF	12	5-1/2	15	2-1/2	--	2-1/2	4	16	16d	8	16d	5475	5915	6210	1905	5, F30, R5	
	KHW616	HW616	3/10	5-1/2	15-1/8	2-1/2	10	2-1/2	4	---	NA20D	2	10d	5335	5335	5335	---	8, F14, R9	
8 x 6	KHW86	HW86	3/10	7-1/2	5-3/8	2-1/2	10	2-1/2	4	---	NA20D	2	10d	5335	5335	5335	---	8, F14, R9	
8 x 8	KHW88	HW88	3/10	7-1/2	7-1/8	2-1/2	10	2-1/2	4	---	NA20D	2	10d	5335	5335	5335	---	8, F14, R9	
8 x 10	KHW810	HW810	3/10	7-1/2	9-1/8	2-1/2	10	2-1/2	4	---	NA20D	2	10d	5335	5335	5335	---	8, F14, R9	
8 x 12	KHW812	HHB812, HW812	3/10	7-1/2	11-1/8	2-1/2	10	2-1/2	4	---	NA20D	2	10d	5335	5335	5335	---	8, F14, R9	
8 x 14	KHW814	HHB814, HW814	3/10	7-1/2	13-1/8	2-1/2	10	2-1/2	4	---	NA20D	2	10d	5335	5335	5335	---	8, F14, R9	
8 x 16	KHW816	HHB816, HW816	3/10	7-1/2	15-1/8	2-1/2	10	2-1/2	4	---	NA20D	2	10d	5335	5335	5335	---	8, F14, R9	
<b>Glulam Sizes<sup>6</sup></b>																			
2-1/2 glulam	KHW26	--	3/10	2-11/16	specify	4	10	2-1/2	4	---	NA20D	2	10d x 1-1/2	5295	5295	5295	---	8, F14, R9	
3-1/8 glulam	KHW3	HW3.25	3/10	3-1/4	specify	3	10	2-1/2	4	---	NA20D	2	10d	5295	5295	5295	---	8, F14, R9	
5-1/8 glulam	KHW5	HW5.25	3/10	5-1/4	specify	2-1/2	10	2-1/2	4	---	NA20D	2	10d	5295	5295	5295	---	8, F14, R9	

- 1) Uplift Loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
- 2) Minimum nail embedment shall be 1-1/2" for 10d nails, 1-5/8" for 16d nails, and 2" for NA20D nails.
- 3) 10d x 1-1/2 nails are 9 gauge (0.148" diameter) by 1-1/2" long.
- 4) NA20D nails are 6 gauge (0.192" diameter) by 2-1/2" long and are included with KB, KHB, and KHW hangers.
- 5) KHW Glulam load values are based on 560 psi perpendicular to grain loading.
- 6) Consult USP for additional Glulam sizes.