

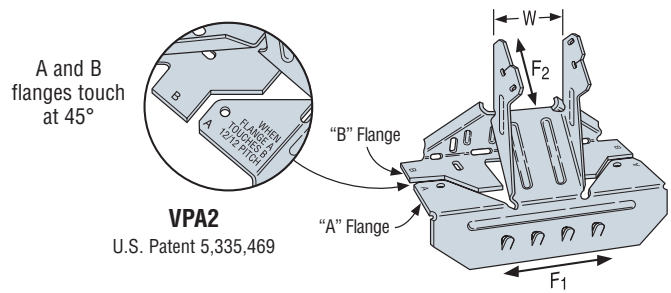
VPA Adjustable Variable Pitch Connectors

The VPA may be sloped in the field, offering a versatile solution for attaching rafters to the top plate. It will adjust to accommodate slopes between 3:12 and 12:12, making it a complement to the versatile LSSU. This connector eliminates the need for notched rafters, beveled top plates and toe nailing.

MATERIAL: 18 gauge

FINISH: Galvanized

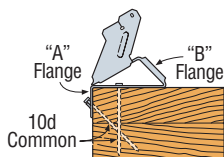
INSTALLATION: • Use all specified fasteners.
See General Notes.



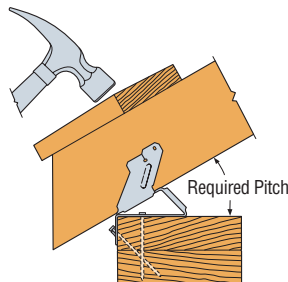
Joist Width (in)	Model No.	W (in)	Fasteners		Factored Resistance							
					D.Fir-L				S-P-F			
					Wind/Earthquake (K _D =1.15)			Normal (K _D =1.00)	Wind/Earthquake (K _D =1.15)			Normal (K _D =1.00)
					Uplift	F ₁	F ₂		Uplift	F ₁	F ₂	
lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs					
kN	kN	kN	kN	kN	kN	kN	kN					
1½	VPA2	1⅞	8-10d	2-10dx1½	545	625	415	1525	390	615	415	1525
					2.43	2.78	1.85	6.79	1.74	2.74	1.85	6.79
2½	VPA3	2⅞	9-10d	2-10dx1½	545	625	415	1785	390	615	415	1785
					2.43	2.78	1.85	7.95	1.74	2.74	1.85	7.95
3½	VPA4	3⅞	11-10d	2-10dx1½	545	625	415	1785	390	615	415	1785
					2.43	2.78	1.85	7.95	1.74	2.74	1.85	7.95

- Factored uplift and lateral resistances have been increased 15% for earthquake or wind loading; no further increase is allowed.
- Resistances may not be increased for short-term load duration.
- NAILS:** 10d = 0.148" dia. x 3" long, 10dx1½ = 0.148" dia. x 1½" long. See page 16-17 for other nail sizes and information.

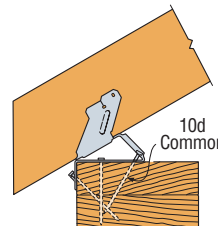
VPA INSTALLATION SEQUENCE



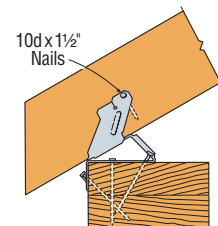
STEP 1
Install top nails and face PAN nails in "A" flange to outside wall top plate.



STEP 2
Seat rafter with a hammer, adjusting "B" flange to the required pitch.



STEP 3
Install "B" flange nails in the obround nail holes, locking the pitch.



STEP 4
Install 10dx1½ nail into tab nail hole. Hammer nail in at a slight angle to prevent splitting.

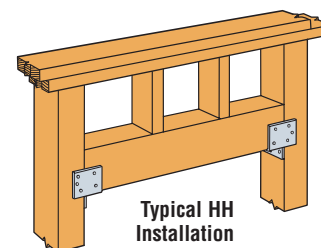
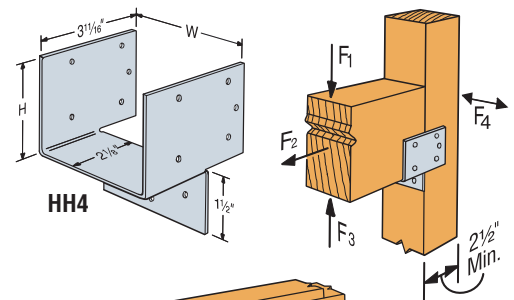
HH Header Hangers

For fast, accurate installation of door and window headers and other cross members. HH header hangers can speed up the job, strengthen the frame, and eliminate the need for trimmers.

MATERIAL: 16 gauge **FINISH:** Galvanized

INSTALLATION: Use all specified fasteners. See General Notes.

Model No.	W (in)	H (in)	Fasteners		Factored Resistance							
					D.Fir-L				S-P-F			
					F ₁ (K _D =1.00)			F ₄ (K _D =1.15)	F ₁ (K _D =1.00)			F ₄ (K _D =1.15)
					F ₁	F ₂	F ₃		F ₂	F ₃	F ₄	
lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs					
kN	kN	kN	kN	kN	kN	kN	kN					
HH4	3½	2⅞	9-16d	4-16d	1745	1320	1320	2045	1230	930	930	1440
					7.77	5.88	5.88	9.11	5.48	4.14	4.14	6.41
HH6	5½	5⅞	12-16d	6-16d	2455	1930	1980	2045	1730	1360	1395	1440
					10.94	8.60	8.82	9.11	7.71	6.06	6.21	6.41



- A 2½" minimum lumber thickness is required to achieve the full load.
- NAILS:** 16d = 0.162" dia. x 3½" long. See page 16-17 for other nail sizes and information.