

The VPA is adjustable to slopes between 3:12 and 12:12, complementing the versatile LSSU.

No notching is required when using the VPA. This hanger reduces the need for beveled plates and toe-nailing.

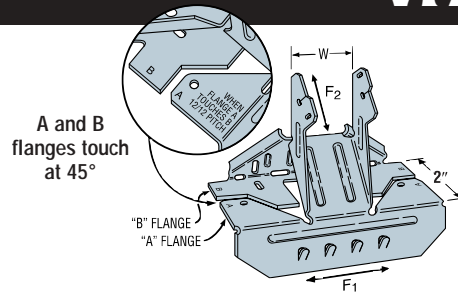
MATERIAL: 18 gauge

FINISH: Galvanized

INSTALLATION:

- Use all specified fasteners. See General Notes.

CODES: See page 8 for Code Listing Key Chart.



VPA2

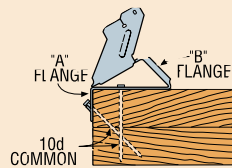
U.S. Patent
5,335,469

Joist Width	Model No.	W	Fasteners		Allowable Loads												Code Ref.		
			Carrying Member	Carried Member	Uplift				Download		Lateral								
					DF/SP Species		SPF Species		DF/SP	SPF	DF/SP Species				SPF Species				
					(133)	(160)	(133)	(160)			(133)	F ₂	F ₁	F ₂	(133)	F ₂		F ₁	F ₂
1½	VPA2	1⅞	8-10d	2-10dx1½	245	295	210	250	1050	870	375	245	375	250	325	210	325	250	1, 36
2½	VPA3	2⅞	9-10d	2-10dx1½	245	295	210	250	1230	1020	375	245	375	250	325	210	325	250	
3	VPA2-2	3⅞	9-10d	2-10dx1½	245	295	210	250	1230	1020	375	245	375	250	325	210	325	250	
3½	VPA4	3⅞	11-10d	2-10dx1½	245	295	210	250	1230	1025	375	245	375	250	325	210	325	250	

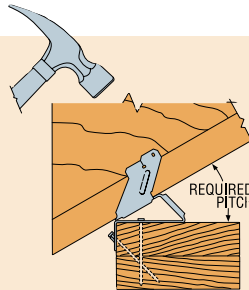
1. Uplift loads include a 33% and 60% increase for earthquake or wind loading; no further increase allowed; reduce where other loads govern.

2. Loads may not be increased for short-term loading.

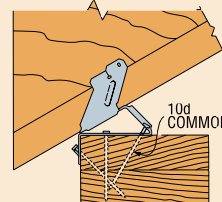
VPA INSTALLATION SEQUENCE



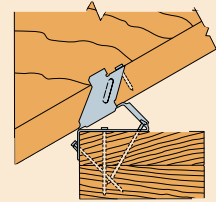
STEP 1
Install top nails and face PAN nails in "A" flange to outside wall top plate.



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.

HRC HIP RIDGE CONNECTORS

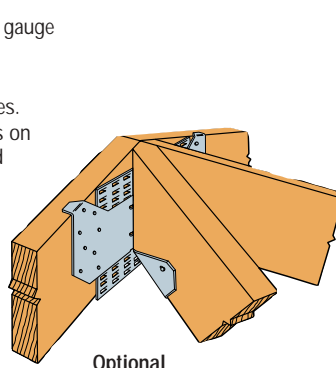
MATERIAL: HRC22, HRC42–16 gauge; HRC44–14 gauge

FINISH: Galvanized

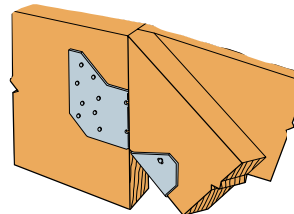
INSTALLATION:

- Use all specified fasteners. See General Notes.
- On end of ridge—use optional diamond holes on HRC22 and HRC42 to secure the HRC. Bend face flanges on HRC22 back flush with ridge, and complete nailing.
- HRC22 on face of ridge—adjust to correct height and install nails.
- Double bevel-cut hip members to achieve full bearing capacity.
- The HRC may be sloped to 45° with no reduction in loads.

CODES: See page 8 for Code Listing Key Chart.

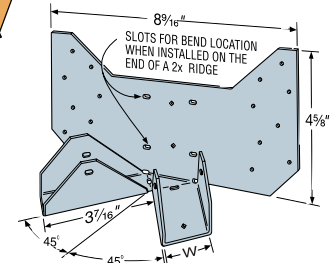


Optional HRC22 Installation



Typical HRC22 Installation on the end of a ridge

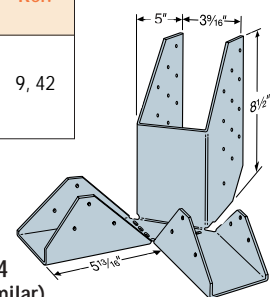
U.S. Patent
5,380,116



HRC22

Model No.	Member Size		Fasteners		Down Avg Ult	Doug Fir Larch/So. Pine Allowable Loads					Spruce-Pine-Fir Allowable Loads					Code Ref.
	W	Ridge	Carrying Member	Each Hip		Uplift (133)	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Uplift (133)	Uplift (160)	Floor (100)	Snow (115)	Roof (125)	
HRC22	1⅞	2x or 1¼" wide	16-10dx1½	2-10dx1½	5950	240	290	720	830	900	210	250	625	720	780	9, 42
HRC42	1⅞	4x	16-16d	2-10dx1½	8267	240	290	1050	1050	1050	210	250	905	905	905	
HRC44	3⅞	4x	24-16d	6-16d	12833	480	480	1610	1775	1775	410	410	1385	1525	1525	

1. Allowable loads shown are for each hip. Total load carried by the connector is double this number.
2. Uplift loads include a 33% and 60% increase for earthquake or wind loading; no further increase allowed; reduce where other loads govern.
3. Roof loads are 125% of floor loads unless limited by other criteria.



HRC44 (HRC42 similar)