

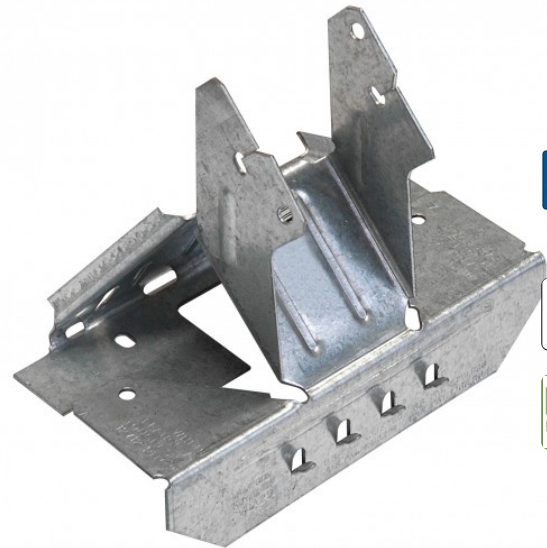
Technical data sheet

VPA Variable Pitch Connector

SIMPSON
Strong-Tie

The VPA is an engineered one-piece connector for attaching I-joist rafters to wall plates.

- The VPA is adjustable to slopes between 15° and 45° with a special interlock design indicating when the maximum pitch is reached. This product complements the versatile LSSU.
- Designed for use with double 38mm top plates with a 50mm seat, which allows sufficient bearing area for most rafters.
- No notching of the I-joist is required when using the VPA. This connector reduces the need for bevelled plates and toenailing. It has positive angle nailing to speed installation and to minimise wood splitting.



Features

Material

- Pre-galvanised mild steel

Avantages

v

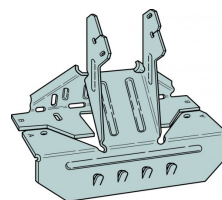
Applications

Suitable For

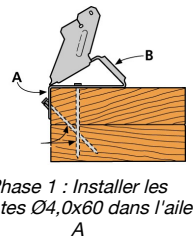
- Timber Trusses.

When to Use

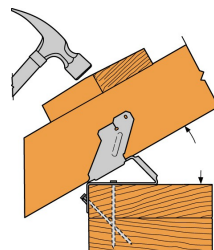
- Truss to wall plate connections.



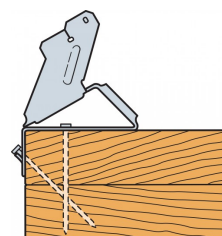
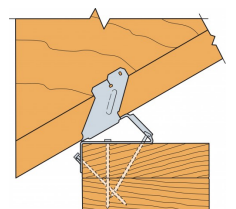
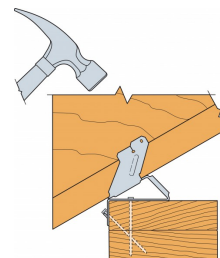
VPA



Phase 1 : Installer les pointes Ø4,0x60 dans l'aile A

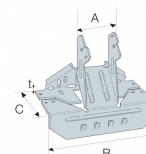
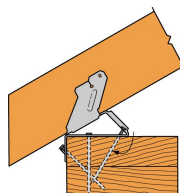


Phase 2 : Régler la pente souhaitée



VPA Variable Pitch Connector

Technical Data



Dimensions et valeurs caractéristiques

Phase 3 : Installer les pointes Ø4,0x60 dans l'aile B

References	Dimensions [mm]		Fixing	
	A	t	Header	Joist
VPA25	46	1.2	8 Ø4,0x60	2 ø3,75x30
VPA4	90	1.2	11 Ø4,0x60	2 ø3,75x30
VPA35	60	1.2	9 Ø4,0x60	2 ø3,75x30

Characteristic Load Capacity

References	Joist Width [mm]	Corresponding LSSU Item Code	Fasteners					Characteristic Capacity [kN]						
			Header			Joist		Solid Section		I-Joist				
			Qty	Specification	Type	Qty	Specification	Timber class C24		LVL Flanges			Solid flanges	
								Download	Uplift	Download	Uplift	Lateral (F ₁)	Download	Uplift
VPA25	45	LSSUI25	8	3.75 x 75	CSA 4.0 x 30	2	3.75 x 30	5.31	1.94	4.76	3.69	3.04	5.31	1.94
VPA4	90	LSSU410	11	3.75 x 75	-	2	3.75 x 30	7.94	1.94	14.16	3.69	2.96	7.94	1.94
VPA35	59	LSSUI35	9	3.75 x 75	-	2	3.75 x 30	6.19	1.94	6.79	3.69	2.37	6.19	1.94

VPA
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