

Technical data sheet

BNV33
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SIMPSON

Strong-Tie

Angle can inter alia be used to connect elements stressed by longitudinal forces

Features

Material

Steel quality:

S250GD + Z275 according to DIN EN10346

Corrosion protection:

275 g / m galvanized on both sides 20mm

Benefits

- **Easy installation**
- **Connecting to concrete and wood**

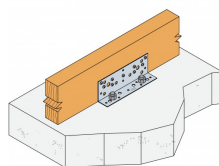
Applications

Applicable materials

Concrete, steel, wood, wood products

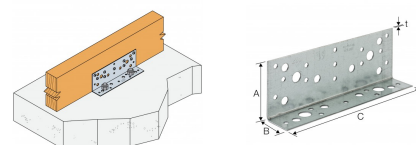
Application area

- BNV angle brackets are used for beam-to-beam or beam-to-concrete joints, e.g. for fastening bulkhead beams to straps in truss structures



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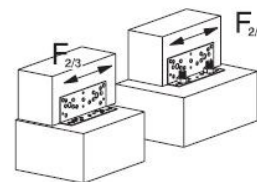
Technical Data



Dimension

References	DB. nr.	NOB nr.	Dimensions [mm]				Holes		Characteristic load capacity, 1 angle bracket per joint							Qty per box	Weight [kg]
			A	B	C	t	Ø	Qty	Beam-to-beam assembly			Beam to concrete			Factor = Bolts / Anchors		
									Seaming out		R _{2/3,k} [kN]	Seaming out		R _{2/3,k} [kN]			
									Type	Qty [per bracket]		Type	Qty [per bracket]				
BNV33	5210321	43910822	63	35	180	1.5	5 ; 8.5 ; 11 ; 13	13+7 ; 5+4 ; 2 ; 2	CNA4,0x40	9 + 7	10.7	CNA4.0x40 ; 2 M12 bolt	9 + 2	10.7 max: 10.1/kmod	0.53	50	0.2

Characteristic load capacity



References	Characteristic load capacity, 1 angle bracket per joint						
	Beam-to-beam assembly			Beam to concrete			Factor = Bolts / Anchors
	Seaming out		R _{2/3,k} [kN]	Seaming out		R _{2/3,k} [kN]	
	Type	Qty [per bracket]		Type	Qty [per bracket]		
BNV33	CNA4,0x40	9 + 7	10.7	CNA4.0x40 ; 2 M12 bolt	9 + 2	10.7 max: 10.1/kmod	0.53

The bolt's shear capacity must be at least $R_{bolt,lat,k} = R_{2/3,k}/1,9$

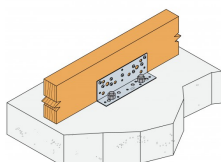
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Installation

Installation

- Fasten nails or screws CNA4,0xI CSA5,0xI.Pro installation in concrete anchor bolt M12

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