



Vinkelbeslag V2 PL

Angle connectors V2 PL

Winkelverbinder V2 PL

DK

Anvendelse: Vinkelbeslag V2 PL anvendes til samling af krydsende bjælker, til forankring og som konsol og i samlinger mellem spær og rem samt i bjælke-/søjlesamlinger.

Beslagene: Er udført i 1,5 mm varmforzinket højstyrkestål. Beslaget er forsynet med Ø5 mm huller for 4 mm NKT beslagsøm eller 5 mm NKT beslagskruer. Yderligere er der Ø11 mm huller for M10 NKT bolte. Beslaget er forsynet med en kraftig ribbe for at øge beslagets styrkeegenskaber.

Montering: I krydssamling (fig. 1) anvendes 4-8 søm i lodret flig og 4-10 søm i vandret flig. Minimum sømantal: 4 pr. flig anbragt i yderpositioner (hjørnerne).

UK

Application: Angle connectors V2 PL are used for joining of cross beams, for anchoring, and as brackets and in joints between rafter and strap as well as in beam/column joints.

Connectors: These connectors are manufactured in 1,5 mm hot dipped galvanized, high strength steel. They are provided with 5 mm holes in the connector for 4 or 5 mm NKT connector screws. There are also 11mm holes for M10 NKT bolts. The connector is provided with a heavy rib that increases its strength properties.

Fitting: In cross joint (fig. 1) use 4-8 nails in vertical flange, and 4-10 nails in horizontal flange. Minimum number of nails: 4 per flange placed in outer positions (corners).

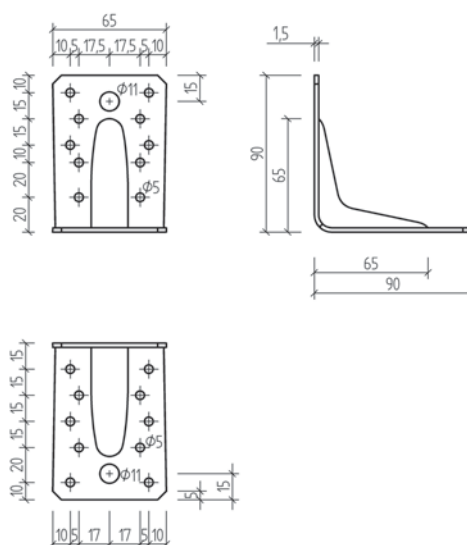
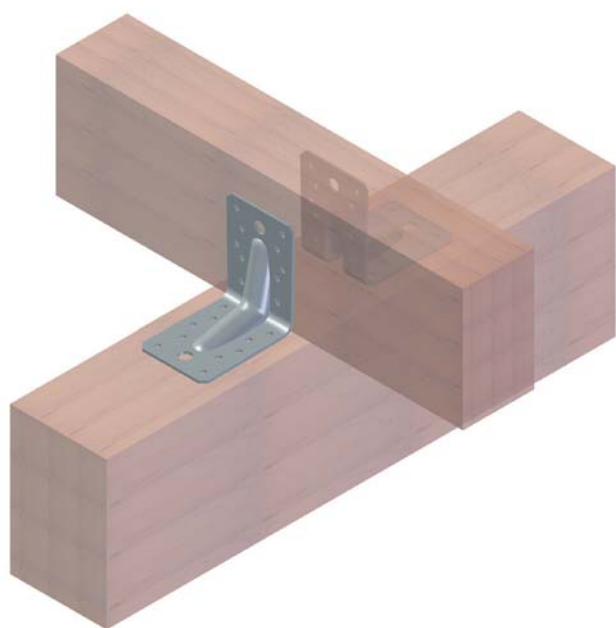
D

Anwendung: Winkelverbinder V2 PL sind bei Verbindungen von kreuzenden Balken, bei Verankerungen und als Konsole und bei Verbindungen zwischen Sparren und Sparrenpfette und Balken/Säulenverbindungen, einzusetzen.

Ausführung: Die Winkelverbinder sind aus 1,5mm feuerverzinktem hochfesten Stahl gefertigt und mit Ø5 mm Löchern für 4 mm NKT Ankernägeln oder 5 mm NKT Beslagschrauben ausgerüstet. Ausserdem sind Ø11 mm Löcher für M10 NKT Bolzen vorhanden. Die Winkelverbinder sind mit einer kräftigen Rippe versehen, um die Festigkeitseigenschaften des Winkelverbinders zu erhöhen.

Montage: In Kreuzverbindungen (Figur 1) sind 4-8 Nägel im senkrechten Schenkel und 4-10 Nägel im waagerechten Schenkel einzusetzen. Mindestnagelzahl: 4 pro Schenkel, in Aussenpositionen (den Ecken) angebracht.

SIMA art. no.	Type	Dimension H	L	t	B	Ø mm Ø5 mm	Ø11 mm	Weight gram	Pcs. Box / Pallet
214780	V2 PL	90	90	1,5	65	20	2	136	50 / 3200 CE

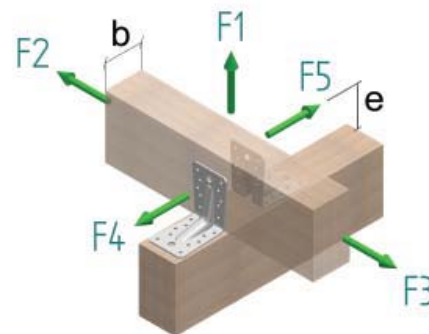


Angle connector V2 PL

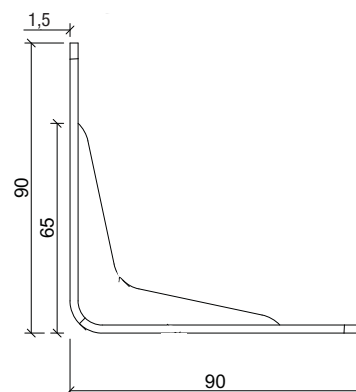
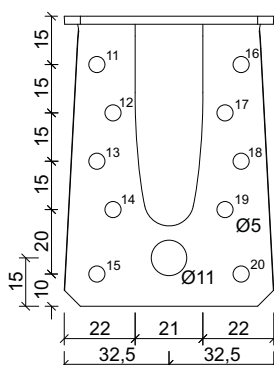
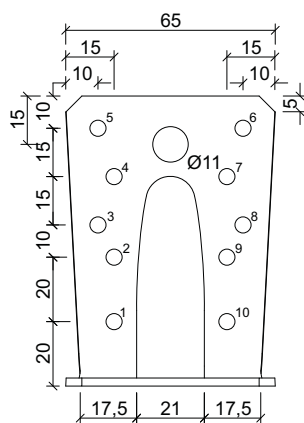
Art. no.	Type	Dimension H x L x t x B [mm]	Hole Ø5 [pcs]	Hole Ø11 [pcs]	Weight [g]	Box [pcs]
214780	V2 PL	90 x 90 x 1,5 x 65	20	2	136	50

Information referring to the product, its applications and fitting: See section 2

Calculative carrying capacity in kN per connection:
Normal safety class – service class 1 and 2



b and e should be inserted in mm



Anchor nail 4,0 x 40	Number of nails	Load-duration class	F _{1d} [kN]	F _{2d} = F _{3d} [kN]	F _{4d} = F _{5d} [kN]	Maximum [kN]
2,5,6,9 / 11,15,16,20	16	Char.	2,92	5,90	$1,08 * ((1,46 * (65+b))/e)$	7,2
		P-load	1,30	2,62	$0,48 * ((1,46 * (65+b))/e)$	3,2
		L-load	1,51	3,06	$0,56 * ((1,46 * (65+b))/e)$	3,7
		M-load	1,73	3,50	$0,64 * ((1,46 * (65+b))/e)$	4,3
		S-load	1,95	3,93	$0,72 * ((1,46 * (65+b))/e)$	4,8
		I-load	2,38	4,81	$0,88 * ((1,46 * (65+b))/e)$	5,9

Anchor nail 4,0 x 40	Number of nails	Load-duration class	F _{1d} [kN]	F _{2d} = F _{3d} [kN]	F _{4d} = F _{5d} [kN]	Maximum [kN]
2,3,4,5,6,7,8,9 / 11,12,14,15,16,17,19,20	32	Char.	5,26	10,73	$1,08 * ((2,63 * (49,7+b))/e)$	14,4
		P-load	2,34	4,77	$0,48 * ((2,63 * (49,7+b))/e)$	6,4
		L-load	2,73	5,56	$0,56 * ((2,63 * (49,7+b))/e)$	7,5
		M-load	3,12	6,36	$0,64 * ((2,63 * (49,7+b))/e)$	8,5
		S-load	3,51	7,15	$0,72 * ((2,63 * (49,7+b))/e)$	9,6
		I-load	4,29	8,74	$0,88 * ((2,63 * (49,7+b))/e)$	11,7

Angle connector V2 PL



Anchor nail 4,0 x 40	Number of nails	Load-duration class	$F1_d$ [kN]	$F2_d = F3_d$ [kN]	$F4_d = F5_d$ [kN]	Maximum [kN]
2,3,4,5,6,7,8,9 / 11,12,13,14,15,16,17,18,19,20	36	Char.	7,00	10,73	$1,08 * ((3,5*(41,1+b))/e)$	18,0
		P-load	3,11	4,77	$0,48 * ((3,5*(41,1+b))/e)$	8
		L-load	3,63	5,56	$0,56 * ((3,5*(41,1+b))/e)$	9,3
		M-load	4,15	6,36	$0,64 * ((3,5*(41,1+b))/e)$	10,7
		S-load	4,67	7,15	$0,72 * ((3,5*(41,1+b))/e)$	12
		I-load	5,7	8,74	$0,88 * ((3,5*(41,1+b))/e)$	14,7