



Vinkelbeslag V4 PL

Angle connectors V4 PL

Winkelverbinder V4 PL

DK

Anvendelse: Vinkelbeslag V4 PL anvendes til samling af krydsende bjælker og til samling mellem tagåse og bjælker samt bjælke-/søjlesamlinger.

Beslagene: Er udført i 2 mm varmforzinket højstyrkestål. Beslaget er forsynet med Ø5 mm huller for 4 mm NKT beslagsøm eller 5 mm NKT beslagskrue. Yderligere er der Ø11 mm huller for M10 NKT bolte. Beslaget er forsynet med en kraftig ribbe for at øge beslagets styrkeegenskaber.

Montering: Anvend 6-10 søm/skrue i lodret flig og 6-10 søm/skrue i vandret flig. Minimum sømantal: 6 stk. i såvel vandret som lodret flig anbragt med 4 ved bukkelinien og 2 i yderhjørnerne. Ved anvendelse i træ/betonsamlinger skal trækpåvirkede bolte placeres i Ø11 hullerne nærmest beslagets bukkelinie.

UK

Application: Angle connectors V4 PL are used for joining of cross beams and for joining between purlins and beams as well as beam/column joints.

Connectors: These connectors are manufactured in 2mm hot dipped galvanized high strength steel. They are provided with 5 mm diameter holes for 4 mm NKT anchor nails, or 5 mm NKT connector screws. There are also 11 mm holes for NKT M 10 bolts. The connector is provided with a heavy rib increasing the connector's strength properties.

Fitting: Use 6-10 nails/screws in vertical flange and 6-10 nails/screws in horizontal flange. Minimum number of nails: 6 in the horizontal as well as the vertical flange placed with 4 near bending line and 2 in outer corners. For use in wood/concrete joints, tensile stressed bolts shall be placed in the diam. 11 holes nearest the connector bending line.

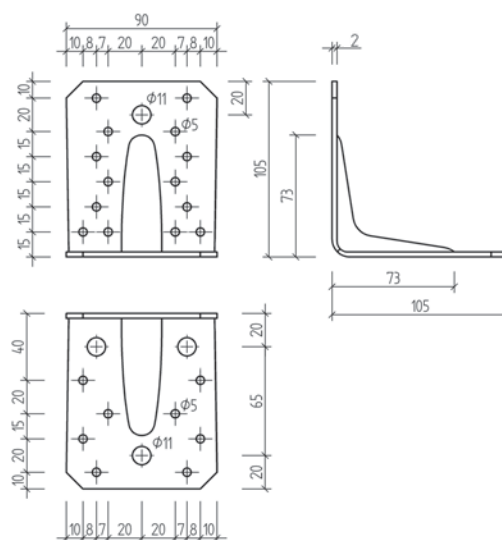
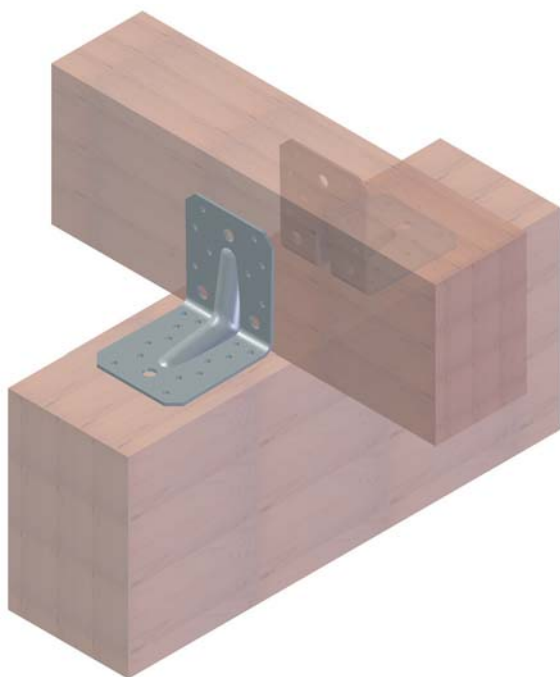
D

Anwendung: Winkelverbinder V4 PL sind bei Verbindungen von kreuzenden Balken und für Verbindungen zwischen Dachpfetten und Balken und Balken-/Säulenverbindungen einzusetzen.

Ausführung: Die Winkelverbinder sind aus 2 mm feuerverzinktem hochfesten Stahl gefertigt und mit Ø5 mm Löchern für 4 mm NKT Ankernägel 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: 6-10 Nägel/Schrauben in den senkrechten und 6-10 Nägel/Schrauben in den waagerechten Schenkel einsetzen. Mindestnagelzahl: 6 St. in sowohl waagerechtem als auch senkrechtem Schenkel, angebracht mit 4 an der Biegelinie und 2 in den äußeren Ecken. Beim Einsatz für Holz-/Betonverbindungen sind die zugbeanspruchten Bolzen in Ø11 mm Löcher dicht an der Biegelinie des Winkelverbinders anzubringen.

SIMA art. no.	Type	Dimension				Ø mm		Weight gram	Pcs. Box / Pallet
		H	L	t	B	Ø5 mm	Ø11 mm		
214782	V4 PL	105	105	2,0	90	22	4	275	25 / 1600 CE

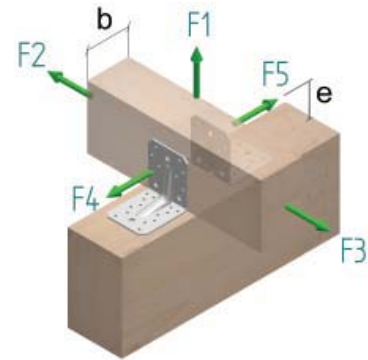


Angle connector V4 PL

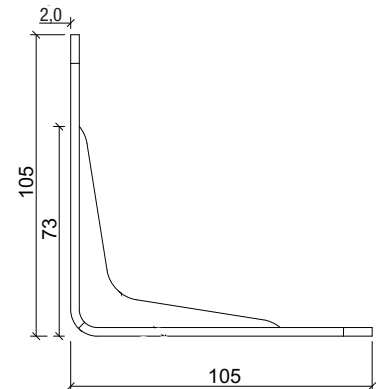
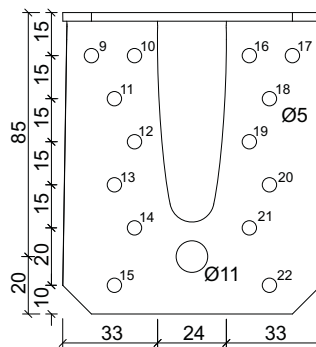
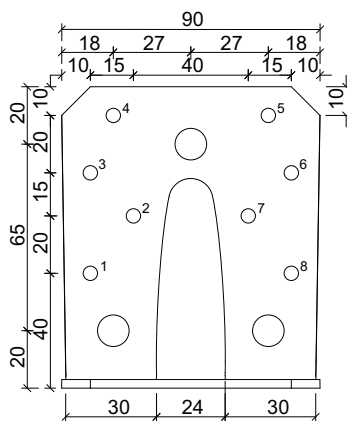
Art. no.	Type	Dimension H x L x t x B [mm]	Hole Ø5 [pcs]	Hole Ø11 [pcs]	Weight [g]	Box [pcs]
214782	V4 PL	105 x 105 x 2,0 x 90	22	4	275	25

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]
1,3,4,5,6,8 / 9,10,15,16,17,22	24	Char.	14,65	13,64	$1,08 * ((3,12*(73,5+b))/e)$	14,46
		P-load	6,51	5,99	$0,48 * ((3,12*(73,5+b))/e)$	6,43
		L-load	7,60	6,98	$0,56 * ((3,12*(73,5+b))/e)$	7,50
		M-load	8,68	7,98	$0,64 * ((3,12*(73,5+b))/e)$	8,58
		S-load	9,77	8,98	$0,72 * ((3,12*(73,5+b))/e)$	9,65
		I-load	11,94	10,97	$0,88 * ((3,12*(73,5+b))/e)$	11,79

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]
1,2,3,4,5,6,7,8 / 9,10,11,15,16,17,18,22	32	Char.	20,75	17,51	$1,08 * ((4,42*(56,3+b))/e)$	19,28
		P-load	9,23	7,79	$0,48 * ((4,42*(56,3+b))/e)$	8,57
		L-load	10,76	9,08	$0,56 * ((4,42*(56,3+b))/e)$	10,00
		M-load	12,30	10,38	$0,64 * ((4,42*(56,3+b))/e)$	11,43
		S-load	13,84	11,68	$0,72 * ((4,42*(56,3+b))/e)$	12,86
		I-load	16,91	14,27	$0,88 * ((4,42*(56,3+b))/e)$	15,72

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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]
1,2,3,4,5,6,7,8 / 9,10,11,12,15,16,17,18,19,22	36	Char.	25,63	17,51	$1,08 * ((5,46*(48,4+b))/e)$	24,12
		P-load	11,40	7,79	$0,48 * ((5,46*(48,4+b))/e)$	10,72
		L-load	13,29	9,08	$0,56 * ((5,46*(48,4+b))/e)$	12,50
		M-load	15,19	10,38	$0,64 * ((5,46*(48,4+b))/e)$	14,29
		S-load	17,09	11,68	$0,72 * ((5,46*(48,4+b))/e)$	16,08
		I-load	20,89	14,27	$0,88 * ((5,46*(48,4+b))/e)$	19,65

1 per Connection

Anchor nail 4,0 x 40	Number of nails	Load-duration class	F1	F2 / F3	F4	MAX	F5	MAX
1,2,3,4,5,6,7,8 / 9,10,11,12,15,16,17,18,19,22	36	Char.	2,92	4,71	47,8 kN/e	14,25	$14,25\text{kNmm } (b+33)/e$	1,46
		P-load	1,30	2,09	43,5 kN/e	6,33	$6,33\text{kNmm } (b+33)/e$	0,65
		L-load	1,51	2,44	43,5 kN/e	7,39	$7,39\text{kNmm } (b+33)/e$	0,76
		M-load	1,73	2,79	43,5 kN/e	8,44	$8,44\text{kNmm } (b+33)/e$	0,86
		S-load	1,95	3,14	43,5 kN/e	9,50	$9,50\text{kNmm } (b+33)/e$	0,97
		I-load	2,38	3,84	43,5 kN/e	11,61	$11,61\text{kNmm } (b+33)/e$	1,19