



Vinkelbeslag V3

Angle connectors V3

Winkelverbinder V3

DK

Anvendelse: Vinkelbeslag V3 anvendes til forankring af krydsende bjælker og som forbindelse ved udvekslinger og bjælke-/søjlesamlinger.

Beslagene: Er udført i 3 mm varmforzinket stålplade og forsynet med Ø5 mm huller for 4 mm NKT beslagkamsøm eller 5 mm NKT beslagskruer. Yderligere er der Ø11 mm huller for 10 mm bolte/franske skruer.

Montering: Anvend 4-10 søm/skruer i lodret flig og 4-14 søm/skruer i vandret flig. Ved montering som vist på fig. 1, skal sømhullerne nærmest beslagets bukkelinie placeres i nederste bjælke. Ved anvendelse i træ-/betonsamlinger skal træpåvirkede bolte placeres i Ø11 mm huller nærmest beslagets bukkelinie.

UK

Application: Angle connectors V3 are used for anchoring of cross beams and as connection for trimmings and beam/column joints.

Connectors: Made in 3 mm hot galvanized steel plate and provided with diam. 5 mm holes for 4 mm NKT anchor nails or 5 mm NKT connector screws. Further there are diam. 11 mm holes for 10 mm bolts/coach screws.

Fitting: Use 4-10 nails/screws in the vertical flange and 4-14 nails/screws in the horizontal flange. For fitting as shown in fig. 1, the nail holes next to the connector bending line shall be placed in the lower beam. For use in wood/concrete joints, tensile stressed bolts shall be placed in the diam. 11 mm holes next to the connector bending line.

D

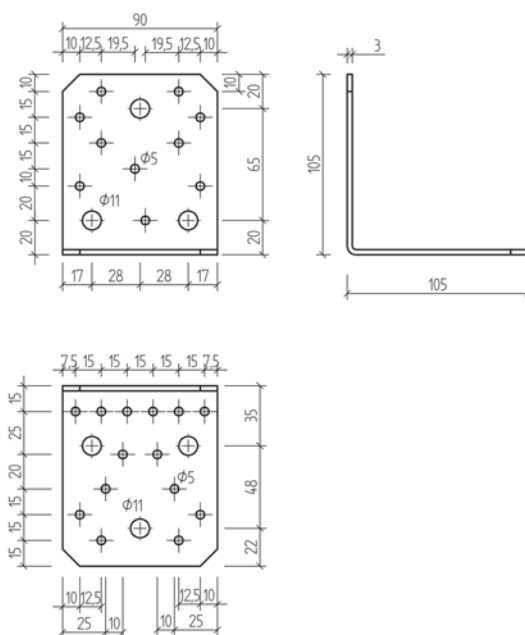
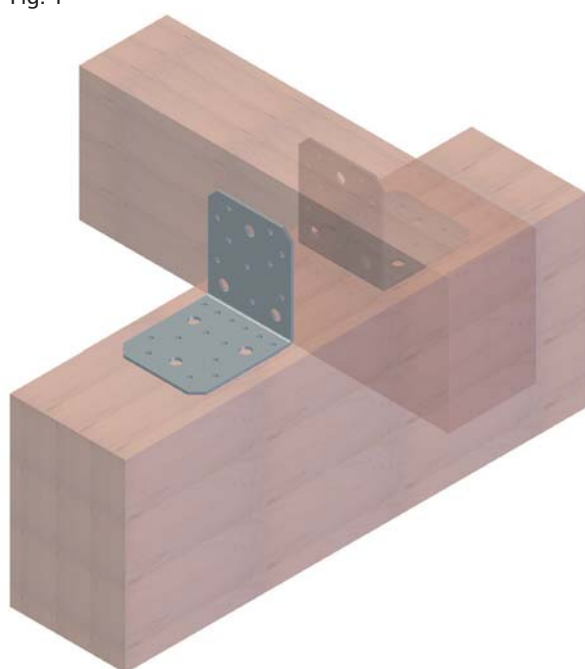
Anwendung: Winkelverbinder V3 sind zur Verankerung von kreuzenden Balken und als Verbindungen bei Auswechslungen und Balken/Säulenverbindungen einzusetzen.

Ausführung: Die Winkelverbinder sind in 3 mm feuerverzinkter Stahlplatte gefertigt und mit Ø5 mm Löchern für 4 mm NKT Ankernägeln oder 5 mm NKT Beslagschrauben ausgerüstet. Ausserdem sind Ø11 mm Löcher für 10 mm Bolzen/Kopfschrauben vorhanden.

Montage: 4-10 Nägel/Schrauben sind im senkrechten und 4-14 Nägel/Schrauben im waagerechten Schenkel einzusetzen. Bei Montage wie an Figur 1 dargestellt, sind die Nagellöcher dicht an der Biegelinie des Winkelverbinders im untersten Balken anzubringen. Beim Einsatz auf Holz-/Betonverbindungen sind zugbeanspruchte Bolzen in Ø11 mm Löchern dicht an der Biegelinie des Winkelverbinders anzubringen.

SIMA art. no.	Type	Dimension				Ø mm		Weight	Pcs.
		H	L	t	B	Ø5 mm	Ø11 mm	gram	Box / Pallet
210781	V3	105	105	3	90	24	6	390	50 / 2400 CE

Fig. 1

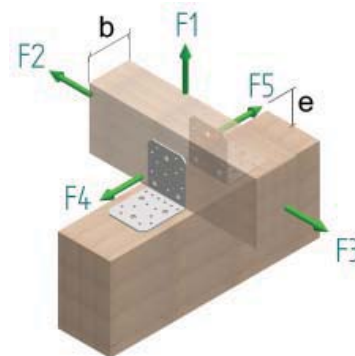


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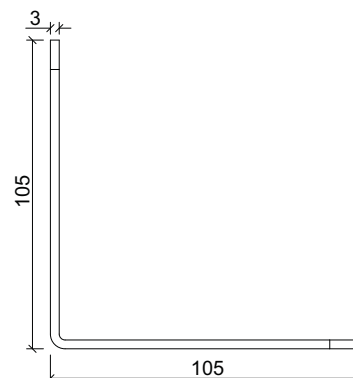
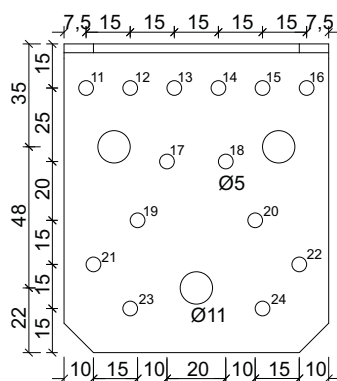
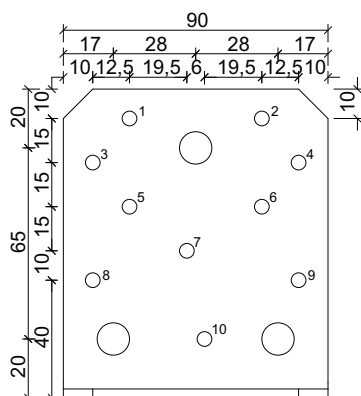
Art. no.	Type	Dimension H x L x t x B [mm]	Hole Ø5 [pcs]	Hole Ø11 [pcs]	Weight [g]	Box [pcs]
210781	V3	105 x 105 x 3,0 x 90	24	6	390	50

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]
1,2,8,9 / 11,16,23,24	16	Char.	3,73	8,93	$1,08 * ((0,8 * (57,8 + b)) / e)$	9,64
		P-load	1,66	3,97	$0,48 * ((0,8 * (57,8 + b)) / e)$	4,29
		L-load	1,94	4,64	$0,56 * ((0,8 * (57,8 + b)) / e)$	5,00
		M-load	2,21	5,30	$0,64 * ((0,8 * (57,8 + b)) / e)$	5,72
		S-load	2,49	5,96	$0,72 * ((0,8 * (57,8 + b)) / e)$	6,43
		I-load	3,04	7,29	$0,88 * ((0,8 * (57,8 + b)) / e)$	7,86

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]
1,2,5,6,8,9 / 11,12,15,16,23,24	24	Char.	7,46	12,65	$1,08 * ((1,59 * (28,9 + b)) / e)$	14,46
		P-load	3,32	5,63	$0,48 * ((1,59 * (28,9 + b)) / e)$	6,43
		L-load	3,87	6,56	$0,56 * ((1,59 * (28,9 + b)) / e)$	7,50
		M-load	4,42	7,50	$0,64 * ((1,59 * (28,9 + b)) / e)$	8,58
		S-load	4,98	8,44	$0,72 * ((1,59 * (28,9 + b)) / e)$	9,65
		I-load	6,08	10,31	$0,88 * ((1,59 * (28,9 + b)) / e)$	11,79

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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 / 11,12,13,14,15,16,23,24	28	Char.	11,18	9,94	$1,08 * ((2,39 * (19,3+b))/e)$	19,28
		P-load	4,97	4,42	$0,48 * ((2,39 * (19,3+b))/e)$	8,57
		L-load	5,80	5,16	$0,56 * ((2,39 * (19,3+b))/e)$	10,00
		M-load	6,63	5,89	$0,64 * ((2,39 * (19,3+b))/e)$	11,43
		S-load	7,46	6,63	$0,72 * ((2,39 * (19,3+b))/e)$	12,86
		I-load	9,12	8,10	$0,88 * ((2,39 * (19,3+b))/e)$	15,72

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 / 11,12,13,14,15,16,21,22,23,24	38	Char.	11,18	18,68	$1,08 * ((2,39 * (19,3+b))/e)$	29,11
		P-load	4,97	8,30	$0,48 * ((2,39 * (19,3+b))/e)$	10,72
		L-load	5,80	9,69	$0,56 * ((2,39 * (19,3+b))/e)$	12,50
		M-load	6,63	11,07	$0,64 * ((2,39 * (19,3+b))/e)$	14,29
		S-load	7,46	12,46	$0,72 * ((2,39 * (19,3+b))/e)$	16,08
		I-load	9,12	15,22	$0,88 * ((2,39 * (19,3+b))/e)$	19,65

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Anchor nail 4,0 x 60	Number of nails	Load-duration class	F _{1d} [kN]	F _{2d} = F _{3d} [kN]	F _{4d} = F _{5d} [kN]	Maximum [kN]
1,2,8,9 / 11,16,23,24	16	Char.	6,92	8,93	$1,08 * ((1,48 * (31,2 + b)) / e)$	9,64
		P-load	3,08	3,97	$0,48 * ((1,48 * (31,2 + b)) / e)$	4,29
		L-load	3,59	4,64	$0,56 * ((1,48 * (31,2 + b)) / e)$	5,00
		M-load	4,10	5,30	$0,64 * ((1,48 * (31,2 + b)) / e)$	5,72
		S-load	4,62	5,96	$0,72 * ((1,48 * (31,2 + b)) / e)$	6,43
		I-load	5,64	7,29	$0,88 * ((1,48 * (31,2 + b)) / e)$	7,86

Anchor nail 4,0 x 60	Number of nails	Load-duration class	F _{1d} [kN]	F _{2d} = F _{3d} [kN]	F _{4d} = F _{5d} [kN]	Maximum [kN]
1,2,5,6,8,9 / 11,12,15,16,23,24	24	Char.	13,85	12,65	$1,08 * ((2,95 * (15,6 + b)) / e)$	14,46
		P-load	6,16	5,63	$0,48 * ((2,95 * (15,6 + b)) / e)$	6,43
		L-load	7,18	6,56	$0,56 * ((2,95 * (15,6 + b)) / e)$	7,50
		M-load	8,21	7,50	$0,64 * ((2,95 * (15,6 + b)) / e)$	8,58
		S-load	9,24	8,44	$0,72 * ((2,95 * (15,6 + b)) / e)$	9,65
		I-load	11,29	10,31	$0,88 * ((2,95 * (15,6 + b)) / e)$	11,79

Anchor nail 4,0 x 60	Number of nails	Load-duration class	F _{1d} [kN]	F _{2d} = F _{3d} [kN]	F _{4d} = F _{5d} [kN]	Maximum [kN]
1,2,3,4,8,9 / 11,12,13,14,15,16,23,24	28	Char.	18,03	9,94	$1,08 * ((3,84 * (12,0 + b)) / e)$	19,28
		P-load	8,02	4,42	$0,48 * ((3,84 * (12,0 + b)) / e)$	8,57
		L-load	9,35	5,16	$0,56 * ((3,84 * (12,0 + b)) / e)$	10,00
		M-load	10,69	5,89	$0,64 * ((3,84 * (12,0 + b)) / e)$	11,43
		S-load	12,02	6,63	$0,72 * ((3,84 * (12,0 + b)) / e)$	12,86
		I-load	14,70	8,10	$0,88 * ((3,84 * (12,0 + b)) / e)$	15,72

Anchor nail 4,0 x 60	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 / 11,12,13,14,15,16,21,22,23,24	38	Char.	20,79	18,68	$1,08 * ((4,43 * (19,3 + b)) / e)$	24,11
		P-load	9,24	8,30	$0,48 * ((4,43 * (19,3 + b)) / e)$	10,72
		L-load	10,79	9,69	$0,56 * ((4,43 * (19,3 + b)) / e)$	12,50
		M-load	12,33	11,07	$0,64 * ((4,43 * (19,3 + b)) / e)$	14,29
		S-load	13,87	12,46	$0,72 * ((4,43 * (19,3 + b)) / e)$	16,08
		I-load	16,95	15,22	$0,88 * ((4,43 * (19,3 + b)) / e)$	19,65