Technical data sheet

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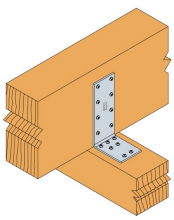
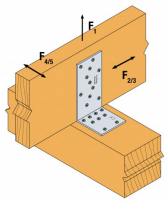
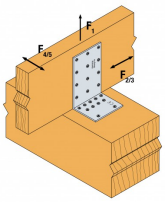
They are suitable for connections wood / timber to the supporting structure. Suitable structures for attachment with a higher discharge force material







Features

Material

Steel quality:

S250GD + Z275 according to DIN EN10346

Corrosion protection:

275 g / m galvanized on both sides 20mm

Benefits

- **Powerful angle in various widths**

Applications

Applicable materials

Wood, wood materials.

Application area

- **joints of wooden beams and columns made of wood or concrete**

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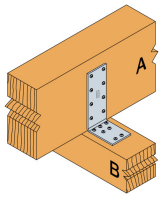
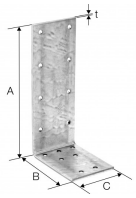
Technical Data

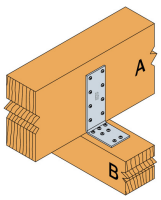
Dimensions and drill holes

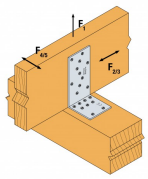




References	Tun / DB nr.	NOB nr.	Product Dimensions [mm]				Joist	Holes flange B	Box Quantity
			A	B	C	t	Ø5	Qty	
AJ60416	5653126	43910818	164	84	60	4	8	7	50
AJ80416	5653324	22998686	164	84	80	4	11	9	25
AJ99416	5653332	28994275	164	84	100	4	12	11	25

Load bearing table (Characteristic values) - Beam to beam assembly





References	Fastener				Characteristic capacities - 2 angle brackets per connection [kN]		
	Joist		Flange B		$R_{1,k}$	$R_{2/3,k}$	$R_{4/5,k}$ *
	Qty	Type	Qty	Type			
AJ60416	8	CNA4.0x40	7	CNA4.0x60	11.1/kmod^0.2	7.8	4.1/kmod^0.25
AJ80416	11	CNA4.0x40	9	CNA4.0x60	15.3/kmod^0.2	10	5.5/kmod^0.25
AJ99416	12	CNA4.0x40	11	CNA4.0x60	19.3/kmod^0.1	13	7.1/kmod^0.25

* Determined for a beam width b = 75 mm and an essentricity e = 130 mm.
k_{mod} is the modification factor for the load group where the required carrying capacity belongs.
** Nailing: Full nailing with CNA4,0x40 nails in the vertical flange and CNA4,0x60 nails in the horisontal flange.
If the purlin is prevented in rotation, the carrying capacity $R_{1,k}$ og $R_{2/3,k}$ in an assembly with a single angle bracket be half the table value. If the purlin can rotate, refer to ETA.

Example

2 angle brackets AJ99416 in a beam-beam assembly, load group: medium; k_{mod} = 0,8. Purlin width b = 100 mm. Full nailing with 12 x CNA4,0x40 nails in the vertical flange and 11 x CNA4,0x60 nails in the horisontal flange.
Loads: $F_{1,d}$ = 6,7 kN og $F_{5,d}$ = 1,8 kN acting e = 160 mm above the beam. The carrying capacity must be found in the ETA as the purlin width b and the distance e are different from the values.
$R_{1,d}$ = table value x k_{mod} / γ_M = (19,3 / $0,8^{0,1}$) x 0,8 / 1,35 = 11,7 kN
$R_{5,d}$ = min. ((7,93 x 100 + 174) / (160-4) / 1,35 = 4,6); (10,9 / 1,35 = 8,1)) = 4,6 kN

Installation

Installation

- **Fixing CNA nails or screws CSA.**