



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



[UK-DoP-e06/0106](#), [ETA-06/0106](#)

FEATURES

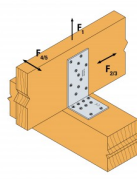
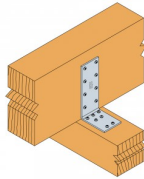


Material

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

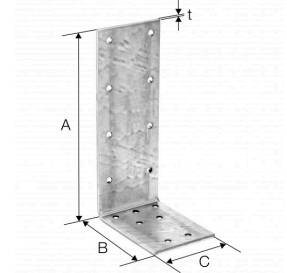
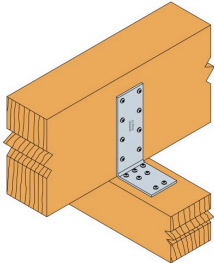
Wood, wood materials.

Application area

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

TECHNICAL DATA

Dimensions and drill holes



References	Tun / DB nr.	NOB nr.	Product Dimensions [mm]			
			A	B	C	t
AJ60416	5653126	43910818	164	84	60	4
AJ80416	5653324	22998686	164	84	80	4
AJ99416	5653332	28994275	164	84	100	4

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

AJ60416
AJ80416
AJ99416

* Determined for a beam width $b = 75$ mm and an eccentricity $e = 130$ 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 horizontal 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 horizontal 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.

$$R_{1,d} = \text{table value} \times k_{mod} / \gamma_M = (19,3 / 0,8^{0,1}) \times 0,8 / 1,35 = 11,7 \text{ kN}$$

$$R_{5,d} = \min. ((7,93 \times 100 + 174) / (160-4) / 1,35 = 4,6); (10,9 / 1,35 = 8,1)) = 4,6 \text{ kN}$$

INSTALLATION

Installation

- Fixing CNA nails or screws CSA.

