



BSN2P shoe is used for different widths of beams, especially when using in existing buildings.



[ETA-06/0270](#)

FEATURES



Material

Steel quality:

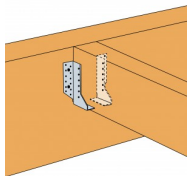
S 250 GD + Z 275 according to DIN EN 10326: 2004.

Corrosion protection:

275 g / m galvanized on both sides 20mm

Benefits

- For connecting secondary beams to primary beams made of solid or laminated wood.
- Use up any width
- Secondary upstand height should not be greater than 1.5 times the height of the joist hanger.



APPLICATIONS

Applications

Wood, wood products, concrete

Scope

• Two-piece beam couplers are particularly suitable for use in the beam with average dimensions and / or reconstruction with different widths of wood.

HT = Main beam

NT = secondary beams

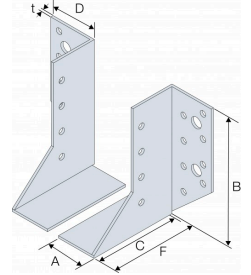
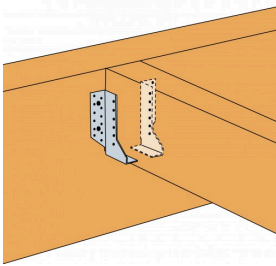
Information about the values can be traced in the ETA

The force F2 acting on 1/2 the height of the beam hinge.

For information about connecting to the concrete; see ETA.

TECHNICAL DATA

Product Dimensions



| References | Product Dimensions [mm] | | | | | | Header holes | | | Joist holes |
|---------------|-------------------------|-----|------|------|------|---|--------------|---------|----------|-------------|
| | A | B | C | D | F | t | Ø5 [mm] | Ø9 [mm] | Ø11 [mm] | Ø5 [mm] |
| BSN2P30/98-B | 30 | 98 | 70.5 | 35.5 | 37.5 | 2 | 16 | 4 | - | 8 |
| BSN2P30/152-B | 30 | 152 | 78 | 38 | 40 | 2 | 24 | - | 4 | 12 |
| BSN2P30/182-B | 30 | 182 | 85 | 40 | 52 | 2 | 26 | - | 6 | 14 |

Product Capacities

| References | Number of Fasteners | | Product characteristic capacities - Timber C24 [kN] | | |
|---------------|---------------------|-------|---|------------------|------------------|
| | Header | Joist | R _{1,k} | R _{2,k} | R _{3,k} |
| | Qty | Qty | CNA4,0x50 | CNA4,0x50 | CNA4,0x50 |
| BSN2P30/98-B | 16 | 8 | 15.6 | 14.8 | 14.1 |
| BSN2P30/152-B | 24 | 12 | 26.6 | 26.6 | 14.9 |
| BSN2P30/182-B | 26 | 14 | 31 | 31 | 13 |

Combined load:

$$\left(\frac{F_{1/2,d}}{R_{1/2,d}}\right)^2 + \left(\frac{F_{3,d}}{R_{3,d}}\right)^2 + \left(\frac{F_{4,d}}{R_{4,d}}\right)^2 \leq 1$$

INSTALLATION

Fasteners

- When connecting beams in the same plane, CNA4.0 × 40/50 threaded nails or CSA5.0 × 35/40 screws are installed in the legs and CNA4.0 × 40 threaded nails or CSA5.0 × 35 screws in the body.
- When connecting beams to concrete or masonry, CNA4.0 × 40 threaded nails or CSA5.0 × 35 screws are used.
- In addition, special bolts are installed in the legs. The minimum bolt requirements must be observed.