



The ABR angle brackets with rib can be used in high loaded timber structures. These brackets are made of stainless steel and are recommended in aggressive atmospheres



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

FEATURES



Material

Steel quality:

- Stainless Steel 1.4401 or 1.4404 in accordance with EN10088 standards.
- Class III corrosion resistance

Benefits

- Reinforcing ribs provide enhanced performance



ABR9020S



ABR10525S

APPLICATIONS

When to use

- ABR angle bracket are particularly suitable for connections of crossed beams, e. g. for connections rafters on purlins and purlins on timber beams.

Applications

Supporting member:

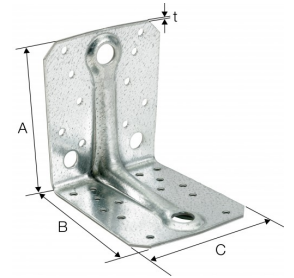
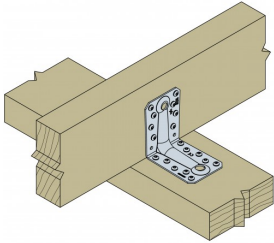
- Solid wood, engineered wood

Supported member:

- Solid wood, engineered wood

TECHNICAL DATA

Product Dimensions

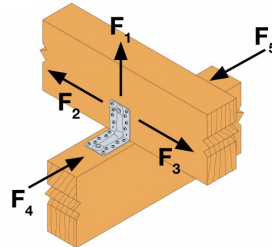
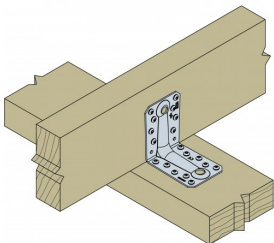


References	Dimensions and drill holes [mm]			
	A	B	C	t
ABR9020S	88	88	65	2
ABR10525S	105	105	90	2.5

Combined load:

$$\sqrt{\left(\frac{F_{1,d}}{R_{1,d}} + \frac{F_{4/5,d}}{R_{4/5,d}}\right)^2 + \left(\frac{F_{2/3,d}}{R_{2/3,d}}\right)^2} \leq 1$$

Capacities wood-wood connection - Full Nailing



ABR9020S
ABR10525S

R_{4/5,k} with b=75mm and e=130mm

For simplified R_{4/5,k}, the published characteristic capacity is based on short term load duration and service class 2 according to EC5 (EN 1995) – kmod = 0.9. For other load duration and service class, please refer to the ETA.

Combined load:

$$\sqrt{\left(\frac{F_{1,d}}{R_{1,d}} + \frac{F_{4/5,d}}{R_{4/5,d}}\right)^2 + \left(\frac{F_{2/3,d}}{R_{2/3,d}}\right)^2} \leq 1$$

INSTALLATION

Fixings

- Fixings must be stainless steel nails (CNA-S) or screws (CSA-S) to avoid bi-metallic corrosion.

