Technical Sheet

ABR-S
Stainless Steel Bracket

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

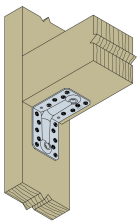




ABR9020S



ABR10525S



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

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

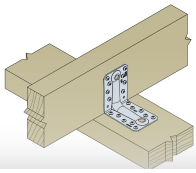
Supported member:

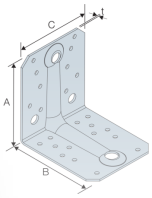
- Solid wood, engineered wood

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Technical Data

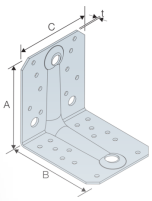




Product Dimensions

Reference	Tun / DB nr.													Flange B[mm]		
														Round		
														Ø5[mm]	Ø9	Ø13[mm]
ABR7015S	1901749													8	1	-
ABR9020S	1901752	51738680	25.0	0.17	88	88	65	2	10	-	1	-		10	-	1

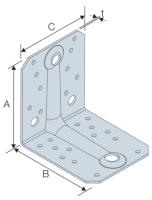
Product Dimensions
See full table online ➡️



Capacities wood-wood connection - Full Nailing

Reference	Number Fastene													ing[kN]	
	Joist	Fla													R4
	Qty	Qty	CNA4.0x35	CNA4.0x40S	CNA4.0x50	CNA4.0x60S	CNA4.0x35	CNA4.0x40S	CNA4.0x50	CNA4.0x60S	CNA4.0x35	CNA

Capacities wood-wood connection - Full Nailing
See full table online ➡️



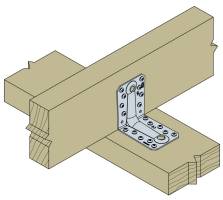
Capacities wood-wood connection / partialnailing

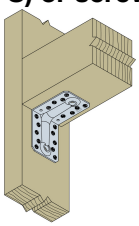
Reference	Angle bracket capacity										
	Product capacities - Timber to timber - Partial nailing										
	Number of Fasteners		Characteristic capacity - 2 angle brackets per connection - partial nailing[kN]								
	Joist	Flange B	$R_{1,k}$			$R_{2,k}=R_{3,k}$			R4/5,k		
	Qty	Qty	CNA4.0x35	CNA4.0x40S	CNA4.0x60S	CNA4.0x35	CNA4.0x40S	CNA4.0x60S	CNA4.0x35	CNA4.0x40S	CNA4.0x60S
ABR9020S	4.0	6.0	4.9	5.9	9.8	5.9	6.4	8.1	4.6 /kmod^0,6	4.8 /kmod^0,7	5.8/kmod^0.6
ABR10525S	6.0	6.0	4.8	5.7	9.5	9.7	10.6	14.3	Refer to ETA-06/0106	Refer to ETA-06/0106	Refer to ETA-06/0106
R 4/5 with b=75mm and e=130mm											

Installation

Fixings

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





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