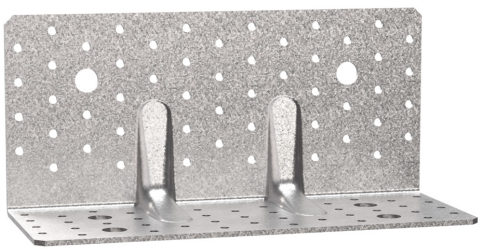
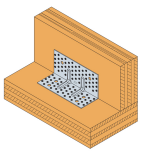
Technical Sheet

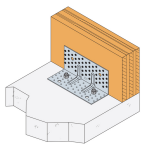
ABR255

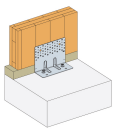
Reinforced Angle Bracket for CLT

Reinforced angle bracket ABR255 has been especially developed to fix CLT panels on wood or concrete support. Very versatile, it is particularly resistant to shear loads thanks to its optimized geometry.











Features

Material

- Galvanized steel S250GD + Z275 according to EN 10346
- Thickness 3 mm

Benefits

- Ideal for use in CLT buildings
- Great versatility: can be installed on wooden support and concrete support
- High performance for horizontal (F_2 / F_3) and vertical (F_1) loads directions

Applications

Suitable On

- **Supporting member:** solid wood, glulam, CLT, concrete, steel
- **Supported member:** solid wood, glulam, CLT

Scope

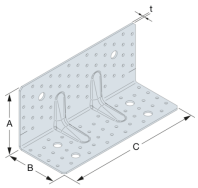
- Solid panels
- Cross laminated panel (CLT)

Technical Sheet

ABR255
Reinforced Angle Bracket for CLT

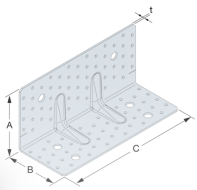
Technical Data

Product dimensions



Reference	Connector Dimensions									
	Other		Product Dimensions[mm]				Joist[mm]		Flange B[mm]	
							Round		Round	
	Qty per Box	Weight[kg]	A[mm]	B[mm]	C[mm]	Thickness[mm]	Ø5[mm]	Ø14[mm]	Ø5[mm]	Ø14[mm]
ABR255	10.0	1.2	120	100	255	3	52	2	41	4
ABR255SO	10.0	1.7	200	100	255	3	56	2	-	4

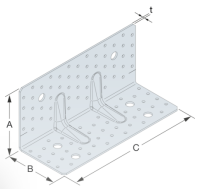
Product characteristic capacities - Timber to timber - 1 angle bracket - Full nailing - Nailing pattern 1



Product characteristic capacities - Timber to timber - 1 angle bracket - Full nailing - Nailing pattern 1
See full table online ➡️

Reference														
	Number o Fasteners												ing - Nailing pattern 1	
													ngle bracket per conne	
	Joist	Flan B											R5,k	
	Qty	Qty	CNA4.0x35	CNA4.0x40	CNA4.0x50	CNA4.0x60	CNA4.0x35	CNA4.0x40	CNA4.0x50	CNA4.0x60	CNA4.0x35	CNA4.0x40	CN	

Product characteristic capacities - Timber to timber - 1 angle bracket - Partial nailing - Nailing pattern 2

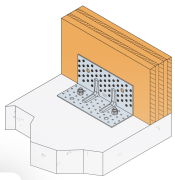


Product characteristic capacities - Timber to timber - 1 angle bracket - Partial nailing - Nailing pattern 2
See full table online ➡️

Reference														
	Number o Fasteners												iling - Nailing pattern 2	
													ngle bracket per conne	
	Joist	Flan B											R4,k	
	Qty	Qty	CNA4.0x35	CNA4.0x40	CNA4.0x50	CNA4.0x60	CNA4.0x35	CNA4.0x40	CNA4.0x50	CNA4.0x60	CNA4.0x35	CNA4.0x40	CN	

Technical Sheet

ABR255
Reinforced Angle Bracket for CLT

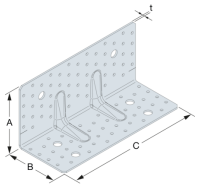


Product characteristic capacities - Timber to rigid support - 1 angle bracket - Full nailing - Nailing pattern 1

Product characteristic capacities - Timber to rigid support - 1 angle bracket - Full nailing - Nailing pattern 1
See full table online ➡️

Reference	Number of				Angle bracket cap	
					- Timber to Concrete -	
	Flange B				ristic capacities - Timbe	
	Qty	Type			0x50	CNA4.0x60
ABR255	2.0	Ø12	52.0	CNA	22 / kmod	22 / kmod	22 / kmod	22 / kmod	18.3/kmod∆0.7	18.3/kmod∆0.7	18.3/kmod∆0.7	18.3/kmod∆0

Product characteristic capacities - Timber to rigid support - 1 angle bracket - Partial nailing - Nailing pattern 2



Reference
ABR255
ABR255SO

The value in the table above can be used if the panel can't rotate.
The anchors must be checked seperatly using tension value of 1.1*F1, 1*F2 and 1.1*F5

ABR255
Reinforced Angle Bracket for CLT

Installation

Fasteners

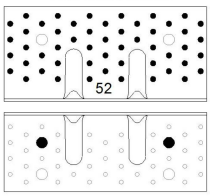
On wood :

- CNA annular ring shank nails
- CSA screws

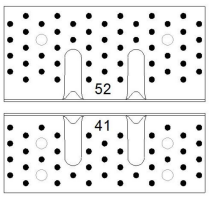
On concrete :

- *Mechanical anchor:* M12
- *Chemical anchor:* SET-XP or AT-HP resin + LMAS M12-150/35 threaded rod.

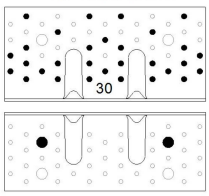
NP1 timber-concrete



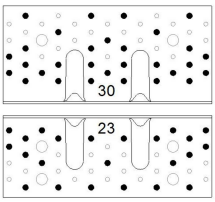
NP1 timber-timber



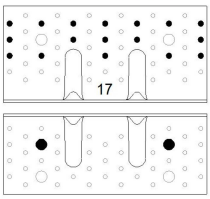
NP2 timber-concrete



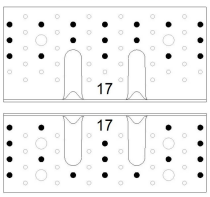
NP2 timber-timber



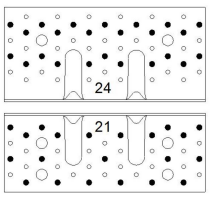
NP3 timber-concrete

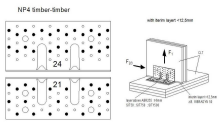


NP3 timber-timber

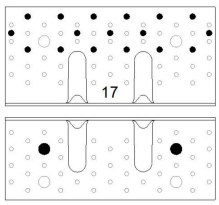


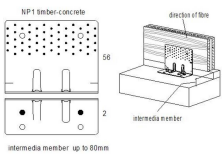
NP4 timber-timber

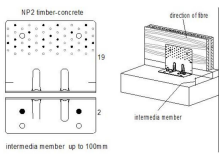


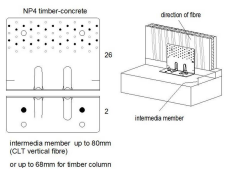


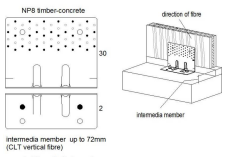
NP8 timber-concrete





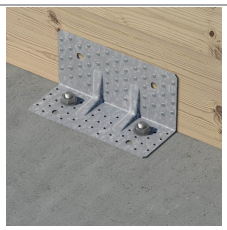
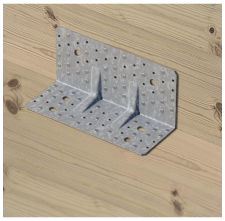
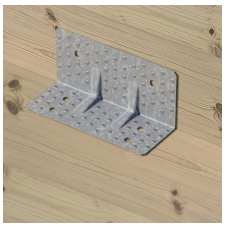






Technical Sheet

ABR255
Reinforced Angle Bracket for CLT

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