

Technical Sheet

SIMPSON

Strong-Tie

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

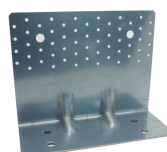
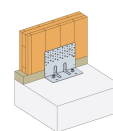
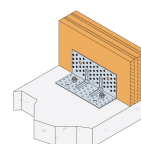
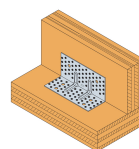
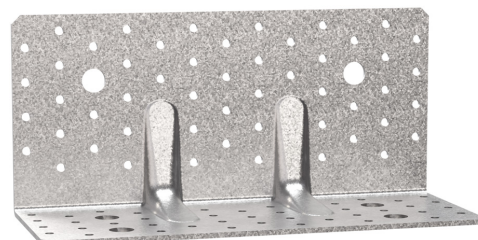
Applications

Suitable On

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

Scope

- Solid panels
- Cross laminated panel (CLT)



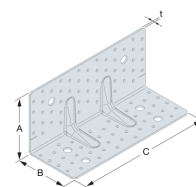
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Technical Data



Product dimensions

Reference	Connector Dimensions									
	Other		Product Dimensions[mm]				Joist[mm]		Flange B[mm]	
	Qty per Box	Weight[kg]	A[mm]	B[mm]	C[mm]	Thickness[mm]	Round		Round	
							Ø5[mm]	Ø14[mm]	Ø5[mm]	Ø14[mm]
ABR255	10.0	1.2	120	100	255	3	52	2	41	4
ABR255S0	10.0	1.7	200	100	255	3	56	2	-	4

Installation

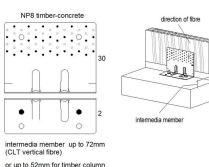
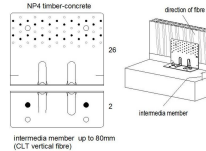
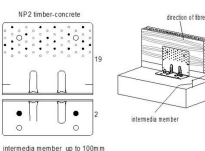
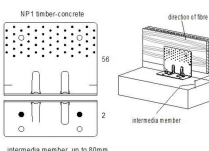
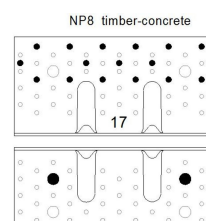
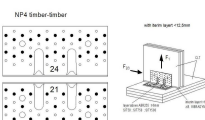
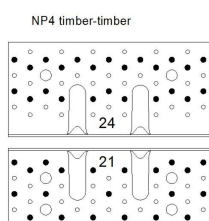
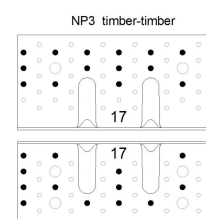
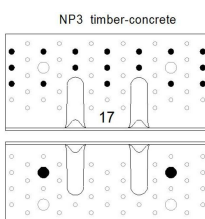
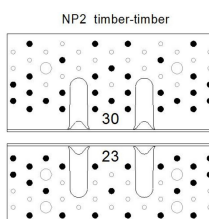
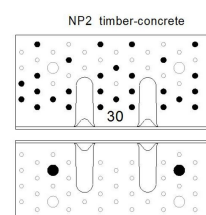
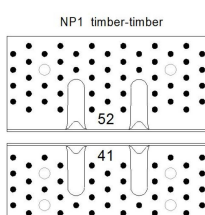
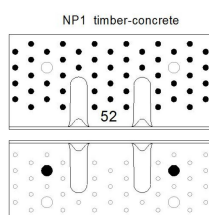
Fasteners

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.



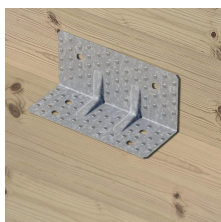
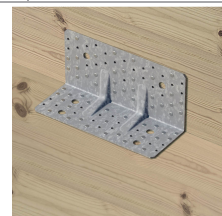
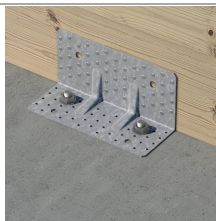
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