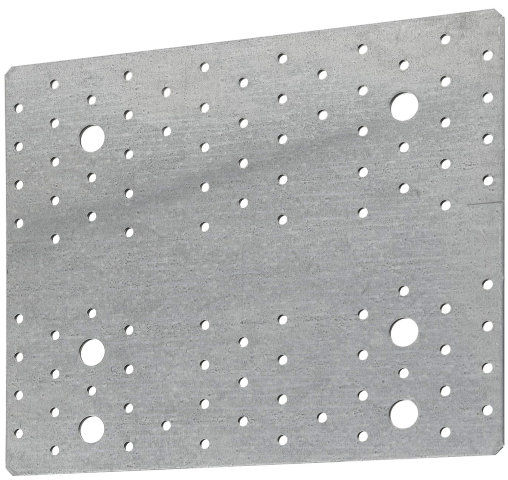
Technical Sheet

NPB255
Nail plate for CLT

Nail plate NPB255 has been developed to fix to provde support for and CLT panels to CLT Floors, timber supports or concrete supports. Versatlie and simple to install, centre markings are stamped onto the plate to assist accurate positioning over the CLT panels.



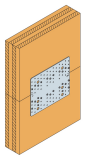
Features

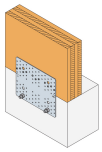
Material

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

Advantages

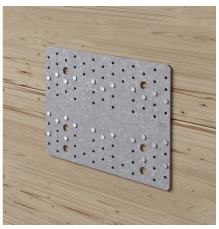
- Ideal for use in Timber and CLT buildings
- Great versatility: can be utilised for Timber to Timber , Timber to concrete, CLT to CLT or CLT to concrete connections,
- High performance for horizontal (F_2 / F_3) and vertical (F_1) loads directions.







Installation - Timber to Concrete

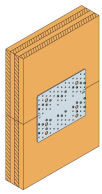


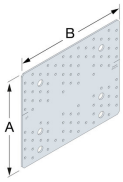
Technical Sheet

NPB255
Nail plate for CLT

Technical Data

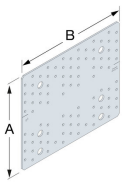
Product Dimensions





Reference	Connector Dimensions				
	Other		Product Dimensions[mm]		
	Qty per Box	Weight[kg]	A[mm]	B[mm]	Thickness[mm]
NPB255	10	1.2	214	255	3
NPB255SO	10	1.7	294	255	3

Product Characteristic Capacities - Timber to Timber - Nailing Pattern 1



Reference	Nail plates capacity					
	Product capacities - Timber to timber - Nailing pattern 1					
	Number of Fasteners		Product characteristic capacities - Timber C24[kN]			
	Top part	Bottom part	$R_{1,k}$		$R_{2,k}=R_{3,k}$	
			CNA4.0x50	CSA5.0x50	CNA4.0x50	CSA5.0x50
NPB255	11	15	23.9	27.6	20.8	24

- *The timber member must be prevented from rotation (by other means)*

Product Characteristic Capacities - Timber to Rigid Support - Nailing Pattern 1

Reference	Nail plates capacity						
	Product capacities - CLT to Rigid Support - Nailing pattern 7						
	F[mm]	Number of Fasteners		Product characteristic capacities - Timber C24[kN]			
		Top part	Bottom part	$R_{2,k}=R_{3,k}$		$R_{1,k}$	
				CNA4.0x50	CSA5.0x50	CNA4.0x50	CSA5.0x50
NPB255	115	13	2	min (21,1 /kmod ; 19,3)	min (21,1 /kmod ; 22,9)	min (37,1 /kmod ; 28,9)	min (37,1 /kmod ; 34,2)

- The timber member must be prevented from rotation (by other means)
- The group composed of two anchors shall be checked with shear loads F_1 and F_2, and a moment applied at the middle between the two anchor is equal to F_2*120mm (spacing of anchors:160 mm)

Installation

Fasteners

CLT Connection:

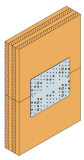
- CNA annular ring shank nails dia. 4.0 x 50 mm,
- CSA screws dia. 5.0 x 40 mm.

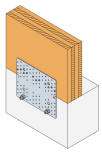
Concrete Connection :

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

Applications

Nailing pattern





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