

Technical data sheet

SIMPSON

Strong-Tie

NPB255

Hullplate til CLT

NPB er en hullplate som er spesielt utviklet for å forbinde CLT paneler til betong eller tre elementer. NPB kan oppta store laster i loddrett plan (F_1) og vannrett i parallell plan ($F_{2/3}$).

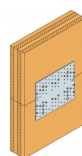
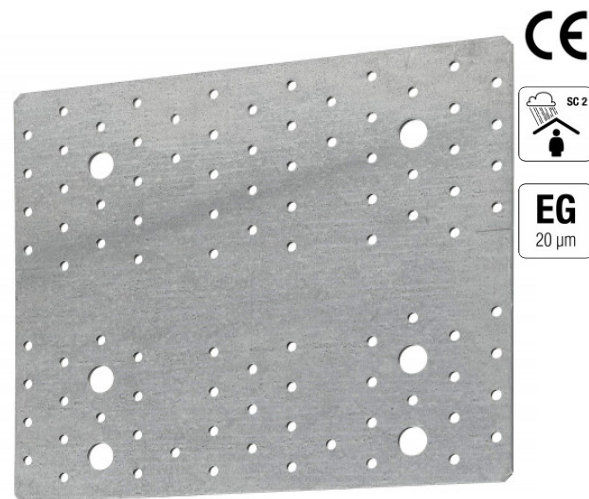
Egenskaper

Materiale

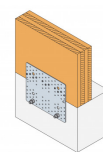
- Stålkvalitet:
Galvanisert stål S250GD + Z275 i henhold til EN 10346
- Korrosjonsbeskyttelse:
275 g/m² på begge sider - i henhold til en sinklagstykkelse på ca. 20 µm

Fordeler

- Ideal for CLT building
- Easy installation with the line on it
- Can be used on timber and concrete support
- High capacity



Wood to wood



Wood to concrete



Fixation bois sur béton



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Teknisk data

Dimensjoner



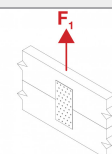
Wood to wood

Art. nr.	NOBB nr.	Mål [mm]		
		A	B	Tykkelse (t)
NPB255	54074417	214	255	3

Product characteristic capacities - Timber to timber -
Nailing Pattern 1



Wood to wood

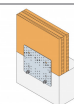


Art. nr.	Product capacities - Timber to timber - Nailing pattern 1					
	Utspikring		Karakteristisk bæreevne [kN]			
	Top part	Bottom part	R _{1,k}		F ₂	
			CNA4.0x50	CSA5.0x50	CNA4.0x50	CSA5.0x50
NPB255	11	15	23.9	27.6	20.8	24

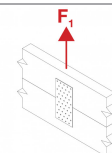
Timber member is prevented from rotation.

Please refer to installation tab for nail pattern details;

Product characteristic capacities - Timber to Rigid support
- Nailing Pattern 1



Wood to
concrete



Art. nr.	Product capacities - Timber to timber or CLT to CLT					
	Utspikring		Karakteristisk bæreevne [kN]			
	Top part	Bottom part	R _{1,k}		F ₂	
			CNA4.0x50	CSA5.0x50	CNA4.0x50	CSA5.0x50
NPB255	11	2	23.9	27.6	22.8	26.3

Timber member is prevented from rotation.

The group composed of two anchors shall be checked with shear loads F_1 and F_2 , and a momentum applied at the middle between the two anchor equal to $F_2 \cdot 120\text{mm}$ (spacing of anchors: 160 mm).

Please refer to installation tab for fastener pattern details.

NPB255

Hullplate til CLT

Montering

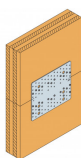
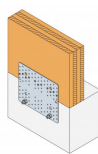
Innfesting

On timber:

- CNA 4.0x50 on timber
- CSA 5.0x40 or CSA 5.0x50 screws

On concrete:

- Mechanical anchor: WA M12-104/5
- Chemical anchor: AT-HP resin + LMAS M12-150/35 threaded rod

*Wood to wood**Wood to concrete*