

PBWS

ZPRO Folded postbase

PBWS is single-piece, non-welded post base for connecting timber to concrete. An engineered solution, this connector requires up to 45% less steel than a traditionally designed post base.

Features

Material

Steel:

S250GD + ZPRO

Corrosion protection:

ZPRO coating - corresponding to a zinc layer of approx. 55 µm

Benefits

- Light and easy to handle
- No pre-drilling required
- Reduced environmental impact due to material reduction
- Flexible fastening option

Applications

Suitable on

- Supporting member: concrete,
- Supported member: solid timber, glulam...

When to use

- Pergolas
- Decking
- Fence posts
- Sheds
- Awnings
- Porches
- Car ports



NEW

CE

qo
cq

SC 3

ETA

EXT

ZPRO



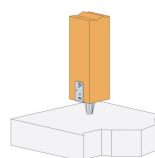
PBWS installed using 4 x CSA connector screws.



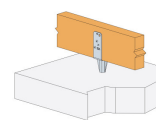
PBWS installed using 2 x SSH hex head screws.



PBWS post installation using 4 x CSA connector screws.



PBWS post installation using 2 x SSH hex head screws.



PBWS beam installation



PBWS installed using 4 x CSA connector screws.

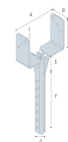
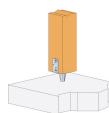


PBWS installed using 2 x SSH hex head screws.

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Technical Data



Product dimensions

PBWS post installation using 2 x SSH hex head screws.

Art. nr.	Product dimensions [mm]							Top part holes	
	A	B	C	E	F	G	t	Ø5	Ø8,5
PBWS70Z	70	40	87	50	150	22	3	4	2
PBWS90Z	90	40	77	50	150	22	3	4	2
PBWS100Z	100	40	72	50	150	22	3	4	2

Product capacities

Art. nr.	Product capacities - Timber to Concrete			
	Fasteners		Characteristic capacities - Timber C24 [kN]	
	On post		R _{1,k}	R _{2,k}
	Qty	Type		
PBWS70Z	4	CSA5,0x40Z	20.2	2,1/kmod
PBWS90Z	4	CSA5,0x40Z	20.2	2,1/kmod
PBWS100Z	4	CSA5,0x40Z	20.2	2,1/kmod

*Minimum concrete strengt C12/15

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Installation

Fixing

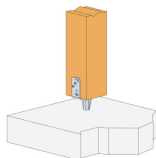
On timber :

- CNA4.0 ring shank nails,
- CSA5.0 screws,
- Ø8 mm SSH screws,
- Bolts Ø8 mm.

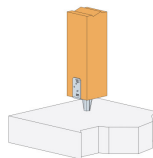
On concrete :

- Chemical resin AT-HP

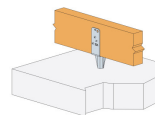
The distance between the plate and the concrete must be 50 mm maximum.



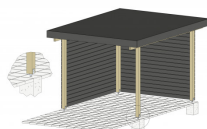
PBWS post installation using 4 x CSA connector screws.



PBWS post installation using 2 x SSH hex head screws.



PBWS beam installation



PBWS

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