

Technical data sheet

PISB

Heavy duty post bases

SIMPSON

Strong-Tie

The post bases PISB are able to support characteristic downloads up to 12 tonnes. It can also take uplift thanks to the vertical plate. It must be fixed on concrete plot.

Features

Material

- S235JR according to EN 10025-2.
- Hot dip Galvanised according to EN ISO 1461.

Advantage

- **High capacity in download**

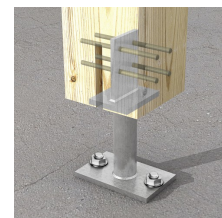
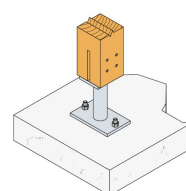
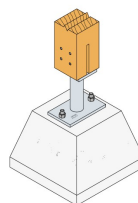
Applications

Support

- **Foundation** : concrete,
- **Post** : solid timber, glulam, ...

Intended use

- Structural Post,
- Deck,
- Veranda.

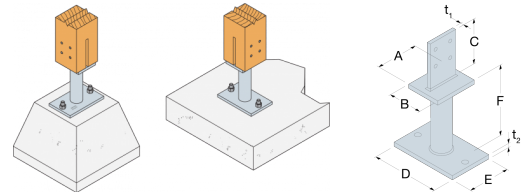


Fixation du PISB160G-K
sur support rigide

PISB
Heavy duty post bases

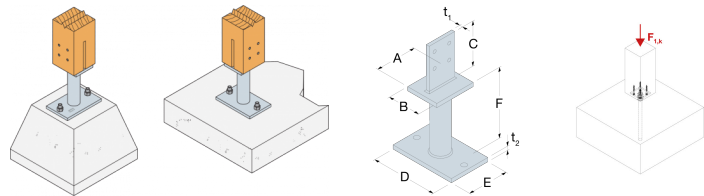
Technical Data

Product Dimensions



References	Product Dimensions [mm]										Top plate holes	Bottom plate holes	Box Quantity	Weight [kg]
	A	B	C	D	E	F	G	H	t ₁	t ₂	Ø8,5	Ø14		
PISB160G-B	100	80	110	160	100	168	42	70	8	10	4	2	5	2.9
PISB260G-B	100	80	110	260	100	168	42	70	8	10	4	2	4	3.7

Characteristic loads



References	Number of Fasteners				Characteristic capacities - Timber C24 [kN]									
	On post		On concrete		R _{1,k}	R _{2,k}			R _{3,k}			R _{4,k}		
	Qty	Type	Qty	Type		Dowel length [mm]			Dowel length [mm]			Dowel length [mm]		
						80	100	120	80	100	120	80	100	120
PISB160G-B	4	Ø8	2	Ø12*	min (142.8 ; 110.8/kmod)	16	18.7	20.7	min (10.9 ; 5.6/kmod)	5.6/kmod	5.6/kmod	4.1	min (5.9 ; 5.1 /kmod)	min (7.9 ; 5.5 /kmod)
PISB260G-B	4	Ø8	2	Ø12*	min (142.8 ; 110.8/kmod)	16	18.7	20.7	min (10.9 ; 5.6/kmod)	5.6/kmod	5.6/kmod	4.1	min (5.9 ; 5.1 /kmod)	min (7.9 ; 5.5 /kmod)

b = Post Width [mm]

Combined Loads:

$$\sum \frac{F_{i,d}}{R_{i,d}} \leq 1$$

Simplified characteristic capacities - Timber to Concrete

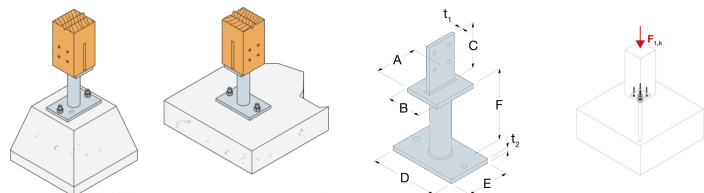


Table "Simplified characteristic capacities - Timber to Concrete" cannot be displayed : no references available.

PISB

Heavy duty post bases

Installation

Fasteners

Timber Post :

- 4 dowels STD 8.

Concrete plot :

- *Chemical anchor* : résine AT-HP + Threaded rod LMAS M16-170/20.
- *Mechanical anchor* : 2 WA M12-109/10.

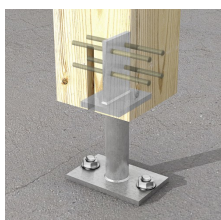
Installation

Partie haute :

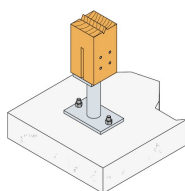
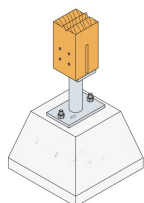
1. Réaliser une entaille verticale en âme du poteau (largeur en fonction de l'épaisseur de l'âme),
2. Identifier la position des broches (ou boulons) sur les flancs du poteau,
3. Percer transversalement le poteau pour y insérer les broches. (diamètre de perçage en fonction du diamètre de la broche)
4. Positionner le pied de poteau en âme et insérer les broches.

Partie basse :

1. Positionner le poteau verticalement dans la structure.
2. Identifier la position des ancrages au sol sur le support.
3. Percer le support verticalement au diamètre et à la profondeur préconisé pour les fixations choisies.
4. Fixer la platine inférieure au sol à l'aide de chevilles d'ancrages sélectionnées.



Fixation du PISB160G-K sur support rigide



PISB

Heavy duty post bases