

Technical data sheet

SIMPSON

Strong-Tie

PL-G

Column shoe Type L

The PL column shoes are used directly in the concrete and can absorb compressive, tensile and horizontal forces.

Features

Material

Steel quality:

S 235 JR according to DIN EN 10025

Corrosion protection:

completely galvanized after processing; Zinc coating thickness about 55 microns in accordance with DIN EN 1461

Benefits

- The column bases are hot dip galvanized and are suitable for mounting of wooden pillars and posts in foundations.
- Because of the long rods, they can, for example, be used in a structure with a layer of gravel and paving.

Applications

Applicatons

In Stock:

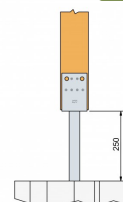
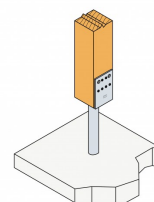
- Concrete

component:

- Wood, wood products

Scope

- PL column shoes can (NKL 3) be used outdoors and take their compressive, tensile and horizontal forces.

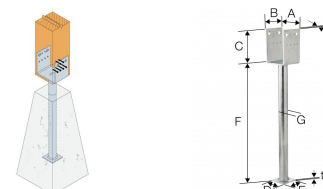


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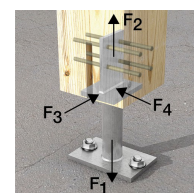
Technical Data

Product Dimensions



References	Tun / DB nr.	NOB nr.	Product Dimensions [mm]								Top plate holes		Weight [kg]
			A	B	C	D	E	F	G	t	Ø5	Ø13.5	
PL100/70G-B	2856847	21219639	100	70	126	70	70	500	38	5	8	4	2
PL120/90G	1837276	21219654	120	90	126	70	70	500	38	5	12	4	2.3
PL140/90G	1837251	21219662	140	90	126	70	70	500	38	5	12	4	2.4

Characteristic Capacities



References	Number of Fasteners		Characteristic Capacities [kN]			
	On post		R _{1,k}	R _{2,k}	R _{3,k}	R _{4,k}
	Qty	Type				
PL100/70G-B	8	CNA4.0x40	57.1/kmod	Min (18.4 ; 11.7/kmod)	2.8/kmod	3.5/kmod
PL120/90G	12	CNA4.0x40	57.1/kmod	Min (19.0 ; 11.4/kmod)	2.8/kmod	3.5/kmod
PL140/90G	12	CNA4.0x40	57.1/kmod	9.2/kmod	2.8/kmod	3.5/kmod

Combined load:

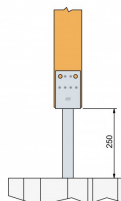
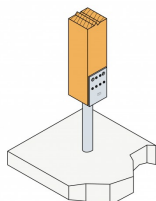
$$\sum \frac{F_{i,d}}{R_{i,d}} \leq 1$$

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Installation

Fasteners

- The connection to the timber is carried out with CNA4,0x40 comb nails or constructively with bolts.
- The distance of the plate to the concrete is max. Amount to 250 mm.



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