

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

Applications

In Stock:

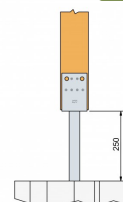
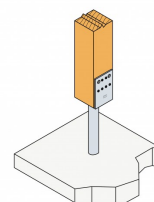
- Concrete

component:

- Wood, wood products

Scope

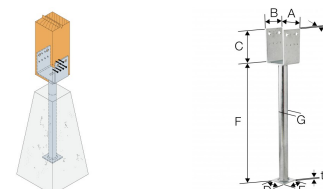
- PL column shoes can (NKL 3) be used outdoors and take their compressive, tensile and horizontal forces.



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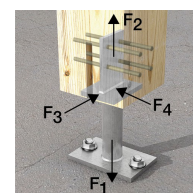
Technical Data

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:

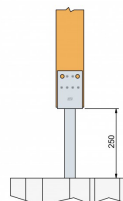
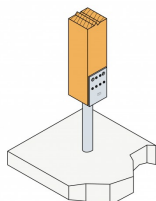
$$\sum \frac{F_{i,d}}{R_{i,d}} \leq 1$$

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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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