

Technical data sheet

SIMPSON

Strong-Tie

PIL

Column shoe type IL - PIL

This foot pillars are galvanized and are suitable for mounting wooden pilots to the ground.

Features

Material

Steel quality:

S 235 JR according to DIN EN 10025

Corrosion protection:

Galvanizing layer thickness of about 55 microns in accordance with DIN EN 1461

Benefits

- footing post PI are used directly in concrete and absorb forces in compression, tensile and horizontal forces.
- These barely visible beads were developed as an alternative or a supplement to the beads PPD.
- allow secure and easy to install.
- Constructive wood protection is very good.
- Feet are made in one size: mainly for fixing the carrier with dimensions of 100 × 100, 120 × 120 and 140 × 140th

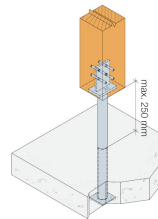
Applications

Applicatons

Wood, wood products, concrete

Scope

- Especially designed for use in lightweight structures, such as garages covers, pergolas, terraces and the like.



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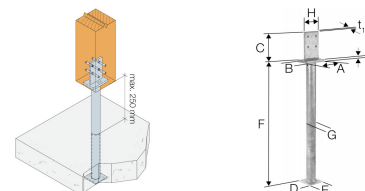
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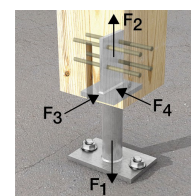
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Product Dimensions



References	Tun / DB nr.	NOB nr.	Product Dimensions [mm]										Holes	Box Quantity	Weight [kg]
			A	B	C	D	E	F	G	H	t ₁	t ₂	Ø8.5 [mm]		
PILG	3365566	21219621	90	60	110	70	70	510	38	70	8	10	4	10	1.9

Capacities



References	Number of Fasteners		Characteristic capacities - Timber C24 [kN]											
	On post		R _{1,k}	R _{2,k}					R _{3,k}	R _{4,k}				
	Qty	Type		Width of post [mm]						Width of post [mm]				
				60	80	100	120	140		60	80	100	120	140
PILG	4	STD 8x L	min (90 ; 57/kmod)	13.8	16	18.7	20.7	20.7	2.2/kmod	1.8/kmod	1.8/kmod	2/kmod	2.2/kmod	2.4/kmod

Combined load:

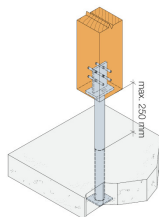
$$\sum \frac{F_{i,d}}{R_{i,d}} \leq 1$$

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Installation

Fasteners

- These shoes are concreted.
- The distance between the pressure plate to the concrete should not exceed 250 mm.
- Port on wood is done with dowels Ø8



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