

Technical data sheet

SIMPSON

Strong-Tie

CMS

CMS column shoe

column shoe CMS consists of two outer steel parts, can be used from 80 to 140 mm can be adapted to the width of the corresponding column. They are suitable for outdoor use.

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

- For buildings, where you cannot use any props, struts, etc.
- Ideal for garages
- Wood width 80 mm - 40 mm
- The ceramic can be placed close to the foot

Applications

Applications

Wood, wood products, concrete

Scope

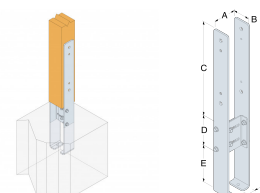
- carports, pergolas etc. Where are undesirable support and reinforcement
- To protect the structural timber, the distance between the substrate and foot wooden structure up to 250 mm.



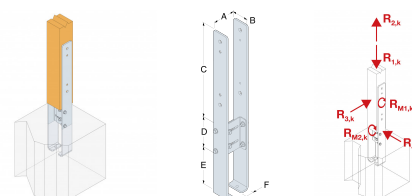
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Technical Data

Product Dimensions



References	Post Dimensions [mm]		Product Dimensions [mm]							Lateral plate holes		Weight [kg]
	Width		A	B	C	D	E	F	t	Ø6,5	Ø17	
	min	max										
CMS	80	140	80-140	80	470	150	200	40	8	4	4	9.6



Capacities

References	Number of Fasteners		Characteristic capacities - Timber C24							
	On post		R _{1,k} = R _{2,k} [kN]	R _{3,k} [kN]	R _{4,k} [kN]	R _{M1,k} [kNm]	R _{M2,k} [kNm]			
	Qty	Type	Width of the post	Width of the post	Width of the post	Width of the post	Width of the post [mm]			
			≥ 80 mm	≥ 80 mm	≥ 80 mm	≥ 80 mm	80	100	120	140
CMS	2	M16*	96.9	min(74; 15/kmod)	min(21.1; 19.8/kmod)	min(11.6; 7.1/kmod)	3.9	4.8	5.8	6.8

* with Bulldog type C2; Ø62

Combined load:

$$\left(\frac{F_{1/2,d}}{R_{1/2,d}} \right)^2 + \left(\frac{H_{1,d}}{R_{H1,d}} + \frac{M_{1,d}}{R_{M1,d}} \right)^2 \leq 1$$

$$\left(\frac{F_{1/2,d}}{R_{1/2,d}} + \frac{M_{2,d}}{R_{M2,d}} \right)^2 + \left(\frac{H_{2,d}}{R_{H2,d}} \right)^2 \leq 1$$

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Installation

Fasteners

- **Screws and dowels**

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