Technical Sheet

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

Applicatons

Wood, wood products, concrete

Scope

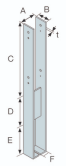
- **carports, pergolas etc. Where are undesirable support and reinforcement**
- **To protect the structural timber, the distance between the substrate and foot wooden structure up to 250 mm.**

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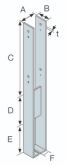
Technical Data

Product Dimensions



Reference	Connector Dimensions											
	Post[mm]		Product Dimensions[mm]							Holes Flange C		Other
	Width		A[mm]	B[mm]	C[mm]	D[mm]	E[mm]	F[mm]	t[mm]	Round		Weight[kg]
	Min	Max								Ø6.5	Ø17	
CMS	80	140	80-140	80	470	150	200	40	8	4	4	9.6

Capacities



Reference	Post base capacity								
	Product capacities - Timber to Concrete								
	Number of Fasteners		Characteristic capacities - Timber C24[kN]						
	On post		$R_{3,k}$[kN]	R4,k (2)[kN]	R1,k = R2,k[kN]	RM1,k[kNm]	RM2,k[kNm]		
	Qty	Type	Width of the post[mm]	Width of the post[mm]	Width of the post[mm]	Width of the post[mm]	Width of the post[mm]		
			≥ 80 mm	≥ 80 mm	≥ 80 mm	≥ 80 mm	80	100	120	140
CMS	2	M16*	min(74; 15/kmod)	min(21.1; 19.8/kmod)	96.9	min(11.6; 7.1/kmod)	3.9	4.8	5.8	6.8

* with Buldog type C2; Ø62

Combined load:

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

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

Installation

Fasteners

- **Screws and dowels**

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