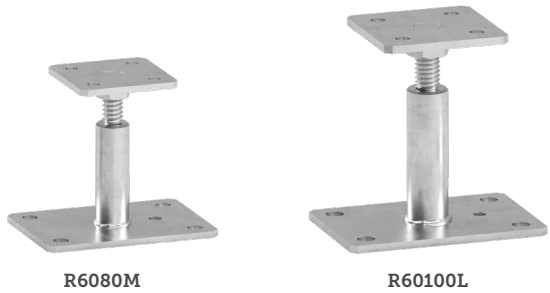


R60



ADJUSTABLE POST BASE

- Allows ground clearance to prevent water splash and stagnation, improving durability. Combines visual appeal with low cost. Also available in a kit with fasteners
- Height adjustable according to functional or aesthetic needs
- The base is characterised by an auxiliary hole for inserting screws into the column (not included)



SERVICE CLASS	SC2	MATERIAL	S235 Fe/Zn12c
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CODE	height [mm]	top plate [mm]	top holes [n. x mm]	bottom plate [mm]	lower holes [mm]	rod Ø [mm]	screws (not included)	pcs
R6080M	150 ± 25	80 x 80 x 5	4 x Ø9,5	140 x 100 x 5	4 x Ø12	M16	HSPEVO680	1
R60100L	200 ± 35	100 x 100 x 6	4 x Ø11,5	160 x 110 x 6	4 x Ø14	M20	KGLPLEVO880	1

Screws are not included and must be ordered separately.



R60 KIT

- The kit includes the post base complete with fasteners for both timber and concrete

CODE	description	pcs
R6080KIT	adjustable post base kit complete with fasteners	1

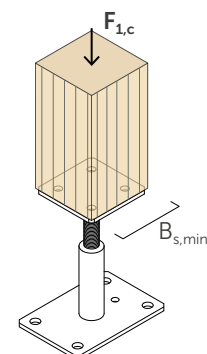
Package include:



STRUCTURAL VALUES

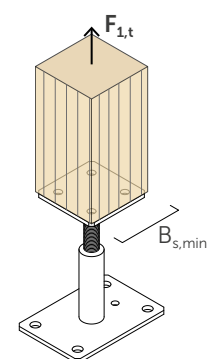
COMPRESSION STRENGTH

post base	fastening	column $B_{s,min}$ [mm]	$R_{1,c}$ k timber		$R_{1,c}$ k steel	
			[kN]	γ_{timber}	[kN]	γ_{steel}
R6080M	HBSPEVO680	80	126,0	$\gamma_{MT}^{(1)}$	38,6	γ_{M1}
R60100L	KGLPLEVO880	100	202,0		62,3	



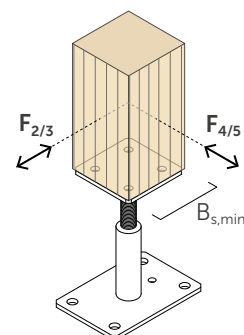
TENSILE STRENGTH

post base	fastening	column $B_{s,min}$ [mm]	$R_{1,t}$ k timber		$R_{1,t}$ k steel	
			[kN]	γ_{timber}	[kN]	γ_{steel}
R6080M	HBSPEVO680	80	4,2	$\gamma_{MC}^{(2)}$	13,2	γ_{M0}
R60100L	KGLPLEVO880	100	6,2		11,9	



SHEAR STRENGTH

post base	column $B_{s,min}$ [mm]	$R_{2/3}$ k steel = $R_{4/5}$ k steel	
		[kN]	γ_{steel}
R6080M	80	2,42	γ_{M0}
R60100L	100	1,98	



NOTES

- ⁽¹⁾ γ_{MT} partial coefficient of the timber.
- ⁽²⁾ γ_{MC} partial coefficient for connections.

GENERAL PRINCIPLES

- The characteristic values are according to EN 1995-1-1:2014 and according to ETA-10/0422, except for the tensile values calculated considering the pull-out strength of the HBS PLATE EVO and KGL PLATE EVO screws parallel to the grain according to ETA-11/0030.
- Design values can be obtained from characteristic values as follows:

$$R_d = \min \left\{ \begin{array}{l} \frac{R_{i,k \text{ timber}} \cdot k_{mod}}{\gamma_M} \\ \frac{R_{i,k \text{ steel}}}{\gamma_{Mi}} \end{array} \right.$$

The coefficients k_{mod} , γ_M and γ_{Mi} should be taken according to the current regulations used for the calculation.

- A timber density of $\rho_k = 350 \text{ kg/m}^3$ was considered for the calculation process.
- Dimensioning and verification of timber and concrete elements must be carried out separately.