R60

CE
ETA-10/0422

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)

R6080M

R60100L

VIDEO

SERVICE CLASS	MATERIAL
SC2	S235 Fe/Zn12c

CODE	height [mm] [in]	top plate [mm] [in]	top holes [n. x mm] [n. x in]	bottom plate [mm] [in]	lower holes [mm] [in]	rod Ø [mm] [in]	screws (not included)	pcs
R6080M	150 ± 25 *6 ± 1*	80 x 80 x 5 *3 1/8 x 3 1/8 x 0.197*	4 x Ø9,5 *4 x Ø0.38*	140 x 100 x 5 *5 1/2 x 4x 0.197*	4 x Ø12 *4 x Ø0.48*	M16 *0.63*	HBSPEVO680	1
R60100L	200 ± 35 *8 ± 1 3/8*	100 x 100 x 6 *4 x 4 x 0.237*	4 x Ø11,5 *4 x Ø0.46*	160 x 110 x 6 *6 1/4 x 4 3/8 x 0.237*	4 x Ø14 *4 x Ø0.56*	M20 *0.79*	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:

1x
R6080M

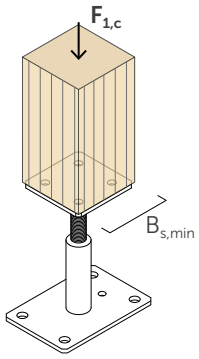
4x
HBSPEVO680

4x
UBA1080

STRUCTURAL VALUES

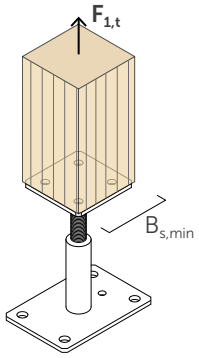
COMPRESSION STRENGTH

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



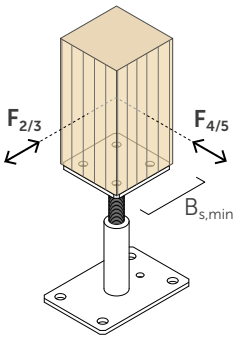
TENSILE STRENGTH

post base	fastening	column $B_{s,min}$ [mm]	$R_{1,t\ k\ timber}$ [kN]	γ_{timber}	$R_{1,t\ k\ steel}$ [kN]	γ_{steel}
R6080M	HBSPEVO680	80	4,2	γ_{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:

$$R_d = min \begin{cases} \frac{R_{i,k\ timber} \cdot k_{mod}}{\gamma_M} \\ \frac{R_{i,k\ steel}}{\gamma_{Mi}} \end{cases}$$

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 ρ_k = 350 kg/m^3 was considered for the calculation process.
- Dimensioning and verification of timber and concrete elements must be carried out separately.