

R60

ADJUSTABLE POST BASE

ADJUSTABLE

Height adjustable according to functional or aesthetic needs.

RAISED

It ensures spacing from the ground to avoid water splashing or stagnation and provides high durability. Concealed fastening on the timber element.

QUALITY/PRICE

It combines aesthetic performance and low cost, for small structures and non-structural applications.



USA, Canada and more design values available online.



VIDEO



DESIGN
REGISTERED



ETA-10/0422

SERVICE CLASS

SC1

SC2

MATERIAL

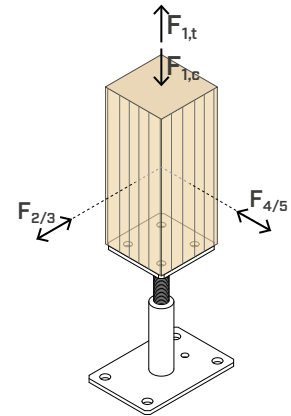
S235
Fe/Zn12c

S235 + Fe/Zn12c carbon steel

GROUND CLEARANCE

adjustable from 125 mm to 235 mm

EXTERNAL LOADS



VIDEO

Scan the QR Code and watch the video on our YouTube channel



FIELDS OF USE

Ground joints for columns, with the possibility of adjusting the support height. Canopies, columns supporting roofs or floors.

Suitable for columns in:

- solid timber softwood and hardwood
- Glulam, LVL



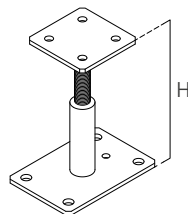
SIMPLE

The cylindrical holder with internal thread combines performance and clean design.

PRACTICAL

The additional hole on the base plate allows simplified screw installation using a long bit.

CODES AND DIMENSIONS

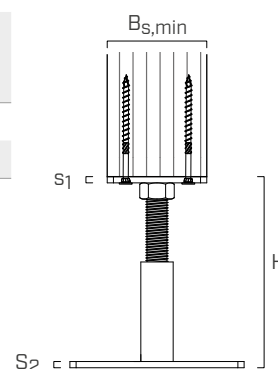
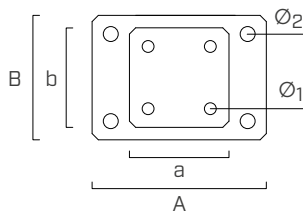


CODE	H [mm] [in]	top plate [mm] [in]	top holes [mm] [in]	bottom plate [mm] [in]	lower holes [mm] [in]	rod Ø [mm] [in]	screws ^(*)	pcs
R6080M	150 ± 25 6 ± 1	80 x 80 x 5 3 1/8 x 3 1/8 x 0.2	Ø9,5 Ø0.37	140 x 100 x 5 5 1/2 x 4 x 0.2	Ø12 Ø0.47	M16 0.63	HBSPEVO6 VGSEVO9 + HUSEVO8	1
R60100L	200 ± 35 6 ± 1 3/8	100 x 100 x 6 4 x 4 x 0.24	Ø11,5 Ø0.45	160 x 110 x 6 6 1/4 x 4 3/8 x 0.24	Ø14 Ø0.55	M20 0.79	HBSPLEVO8	1

(*)Screws are not included and must be ordered separately.

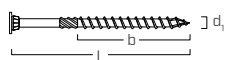
GEOMETRY

CODE	B _{s,min} [mm]	H [mm]	a x b x s ₁ [mm]	Ø ₁ [mm]	A x B x S ₂ [mm]	Ø ₂ [mm]
R6080M	80	150 ± 25	80 x 80 x 5	Ø9,5	140 x 100 x 5	Ø12
R60100L	100	200 ± 35	100 x 100 x 6	Ø11,5	160 x 110 x 6	Ø14



FASTENERS

HBS P EVO - C4 EVO pan head screw



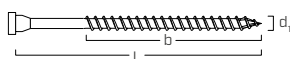
d ₁ [mm]	CODE	L [mm]	b [mm]	pcs
6 TX 30	HBSPEVO680	80	50	100

HUS EVO - C4 EVO turned washer



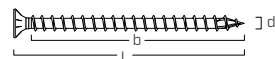
CODE	d _{HBS EVO} [mm]	d _{VGs EVO} [mm]	pcs
HUSEVO8	8	9	50

HBS PLATE EVO - C4 EVO pan head screw



d ₁ [mm]	CODE	L [mm]	b [mm]	pcs
8 TX 40	HBSPLEVO880	80	55	100
	HBSPLEVO8140	140	110	100

VGS EVO - C4 EVO fully threaded screw with countersunk head



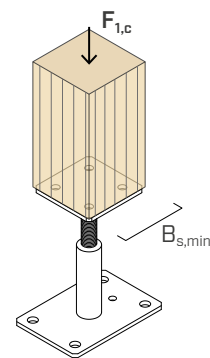
d ₁ [mm]	CODE	L [mm]	b [mm]	pcs
9 TX 40	VGSEVO9120	120	110	25

type	description	d [mm]	support	page
SKR/SKR EVO	screw-in anchor	10 - 12		528
AB1	CE1 expansion anchor	10 - 12		536
VIN-FIX	vinyl ester chemical anchor	M10 - M12		545

STRUCTURAL VALUES

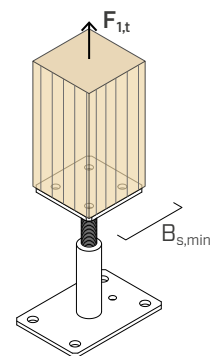
COMPRESSION STRENGTH

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



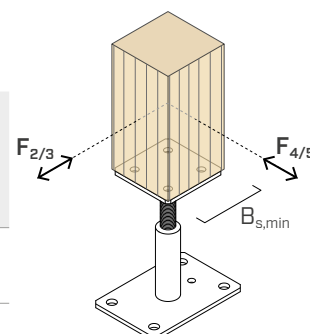
TENSILE STRENGTH

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}
	VGSEVO9120+HUSEVO8		13,9			
R60100L	HBSPLEVO880	100	6,2	$\gamma_{MC}^{(2)}$	11,9	γ_{M0}
	HBSPLEVO8140		12,4			



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.

INTELLECTUAL PROPERTY

- R60 post bases are protected by the following Registered Community Designs:
 - RCD 015051914-0004;
 - RCD 015051914-0005.

GENERAL PRINCIPLES

- The characteristic values are according to EN 1995-1-1:2014 and according to ETA-10/022, except for the tensile values calculated considering the pull-out strength of the HBS PLATE EVO and VGS 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.