R80

ADJUSTABLE POST BASE

ADJUSTABLE AFTER INSTALLATION
The double-threaded system with hexagonal tensioner allows height adjustment even after assembly.

"U" SHAPED
The "U" shaped plate can be easily fixed to the side of the column using nails or small-diameter screws.

DURABILITY
The spacing between the post base and the ground prevents water splashes and stagnation, ensuring greater durability. The DAC COAT coating enhances corrosion resistance and improves aesthetics in outdoor environments.

CLOSE-SPACED ANCHORS
The base plate, with dual anchor holes, allows post base installation even close to the edge of the concrete support.

SERVICE CLASS SC1 SC2 SC3

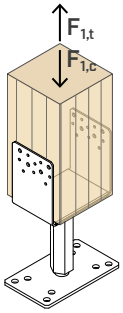
MATERIAL

S235 DAC COAT — S235 carbon steel with special coating DAC COAT

GROUND CLEARANCE

adjustable from 170 mm to 230 mm

EXTERNAL LOADS



FIELDS OF USE

Ground joints for columns, with the possibility of adjusting the support height even after installation.
Suitable for canopies and columns supporting roofs or floor slabs.

Suitable for columns in:
- solid timber (softwood and hardwood)
- glulam and LVL

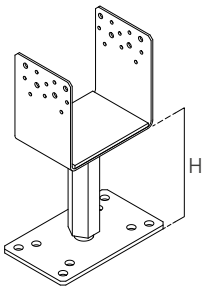
EASY INSTALLATION

The rectangular base plate facilitates anchor installation and allows colum placement close to concrete edges.

RAISED PLATE

The raised plate maintains the minimum required spacing for screws or nails, even when a 38 mm horizontal wooden spacer is inserted.

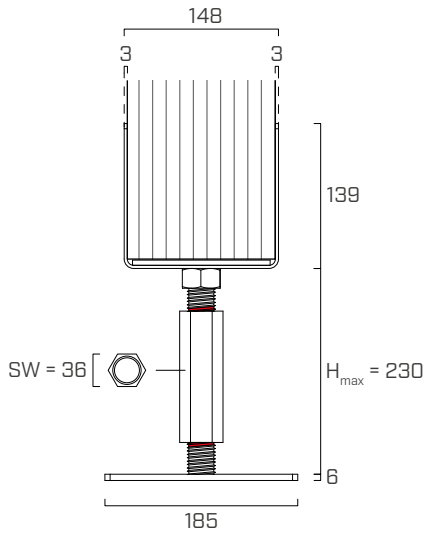
CODES AND DIMENSIONS

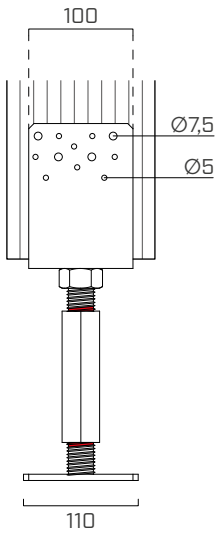


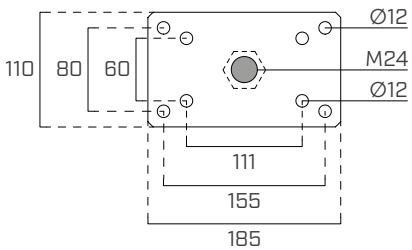
CODE	H [mm]	top plate [mm]	top holes [n x mm]	bottom plate [mm]	lower holes [n x mm]	rod Ø [mm]	screws(*)
R80100L	200 ± 30	148 x 100 x 139 x 3	16 x Ø5 - 8 x Ø7,5	185 x 110 x 6	6 x Ø12	M24	LBSEVO Ø5 LBSEVO Ø7

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

GEOMETRY





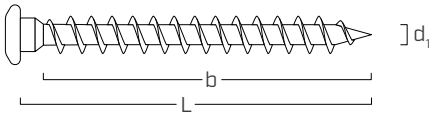


FASTENERS

LBS EVO - round head screw for plates

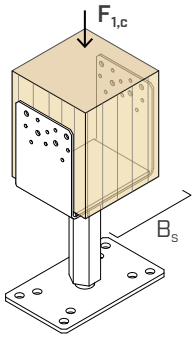
C4 EVO COATING

d_1 [mm]	CODE	L [mm]	b [mm]	pcs
5 TX 20	**LBSEVO570**	70	66	100
7 TX 30	**LBSEVO780**	80	75	100



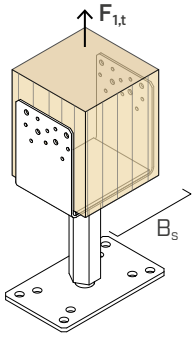
STRUCTURAL VALUES

COMPRESSION STRENGTH



post base	column		$R_{1,c\ k\ steel}$	
	B_s [mm]	$L_{s,min}$ [mm]	[kN]	γ_{steel}
R80100L	140	140	**98,4**	γ_{M1}

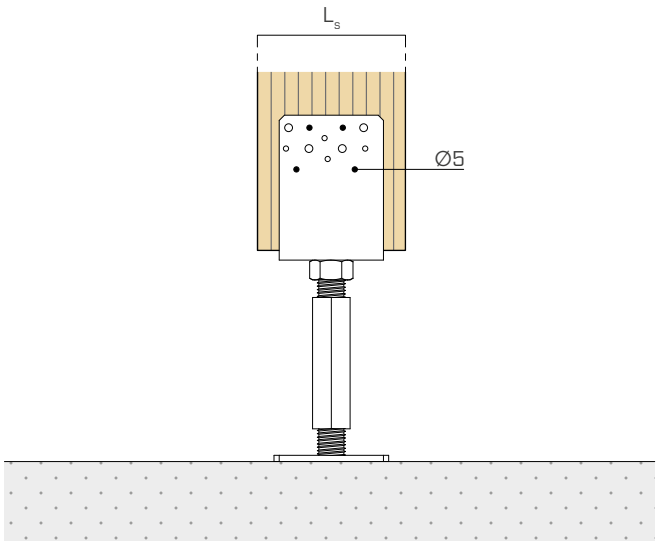
TENSILE STRENGTH



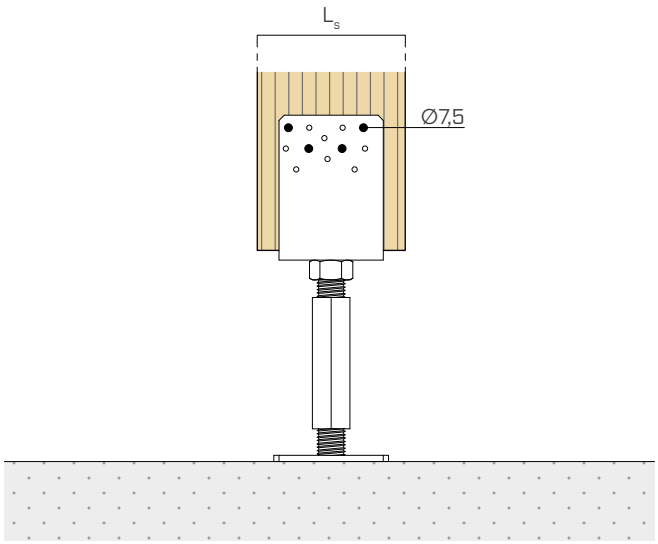
post base	column		configuration	fastening	$R_{1,t\ k\ timber}$		$R_{1,t\ k\ steel}$	
	B_s [mm]	$L_{s,min}$ [mm]			[kN]	γ_{timber}	[kN]	γ_{steel}
R80100L	140	140	pattern 1	LBSEVO570	**17,6**	γ_{MC} (1)	**12,4**	γ_{M0}
			pattern 2	LBSEVO780	**19,4**		**12,4**	

(1) γ_{MC} connections partial coefficient.

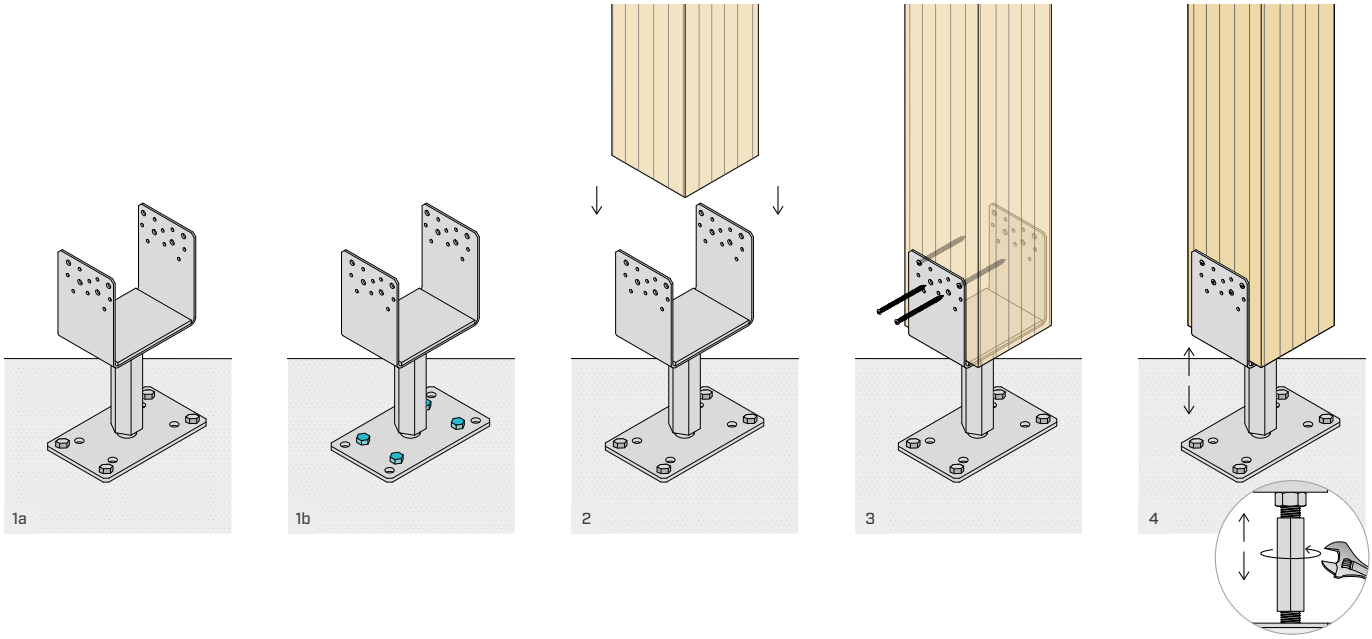
pattern 1



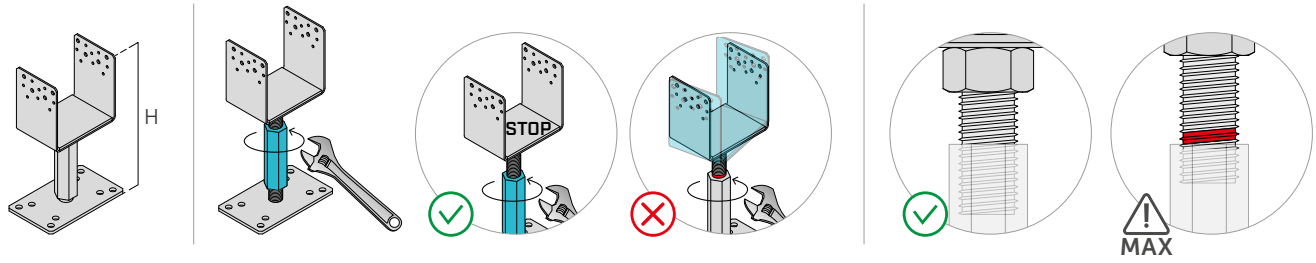
pattern 2



MOUNTING



ADJUSTMENT METHODS



NOTES

(1) γ_{MC} partial coefficient for connections.

GENERAL PRINCIPLES

- Characteristic values according to EN 1995-1-2014.
- The tensile strength values of the post base on the timber side are calculated considering the shear resistance perpendicular to the grain of LBS EVO screws, in accordance with 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} must be applied according to the current design standards.

- For the calculation process a timber density ρ_k = 350 kg/m^3 has been considered.
- Timber and concrete elements must be sized and checked separately.