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.

USA DESIGN VALUES
CANADA, EU and more design values available online.



SERVICE CONDITION WET

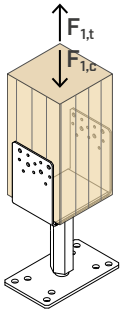
MATERIAL

S235 DAC COAT — S235 carbon steel with (comparable to ASTM A36) special coating DAC COAT

GROUND CLEARANCE

adjustable from 6.7 to 9 in

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





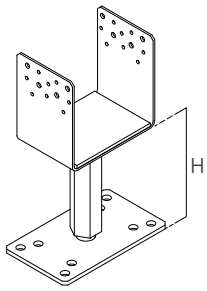
EASY INSTALLATION

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

RAISED PLATE

The raised side plate maintains the minimum required spacing for screws or nails, even when a 1.5 in horizontal wooden spacer is inserted.

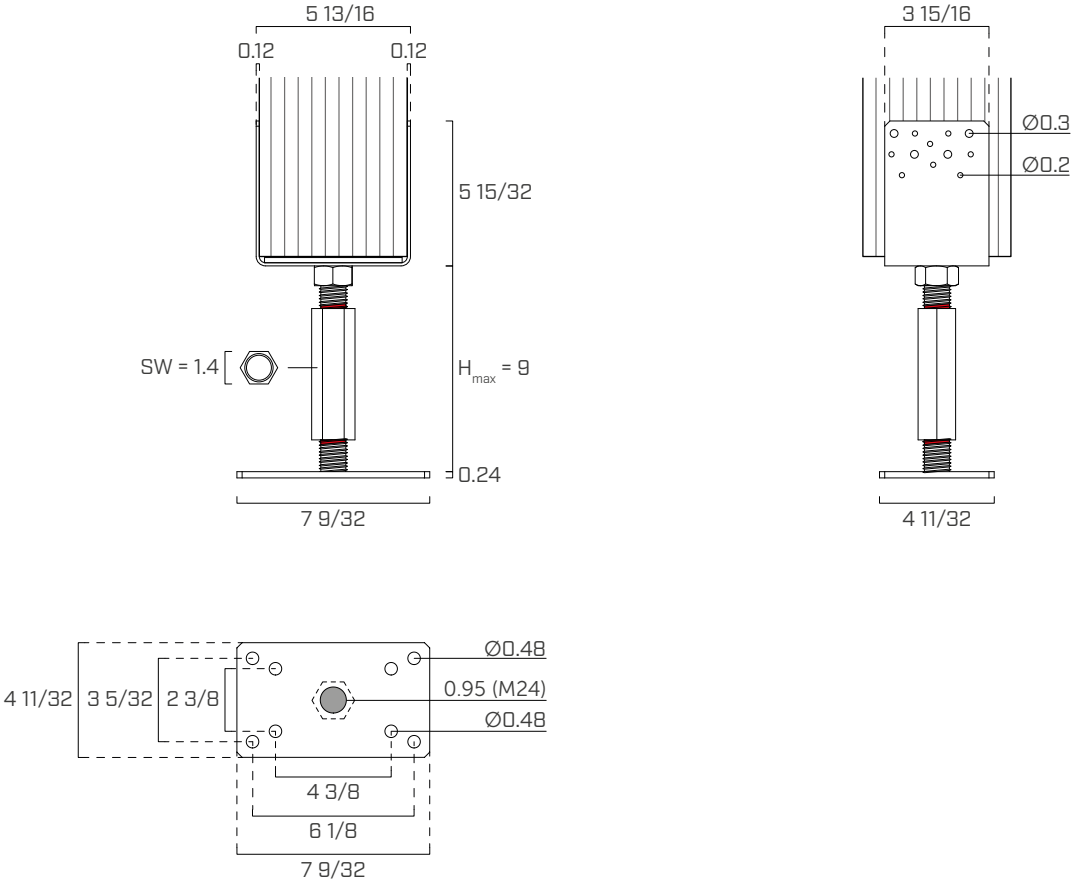
CODES AND DIMENSIONS



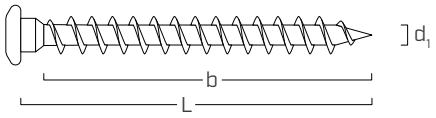
CODE	H [in]	top plate [in]	top holes n x Ø [in]	bottom plate [in]	lower holes n x Ø [in]	rod Ø [in]	fasteners(*)
R80100L	7 7/8 ± 1 3/16	5 13/16 x 3 15/16 x 5 1/2	16 x Ø0.2 - 8 x Ø0.3	7 9/32 x 4 11/32 x 1/4	6 x Ø0.48	0.95 (M24 thread)	LBSEVO5 LBSEVO7 LBA460

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

GEOMETRY



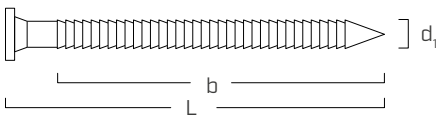
FASTENERS



C4 EVO COATING

LBS EVO - round head screw for plates

d_1 [in]	CODE	L [in]	b [in]	pcs
0.197 TX 20	**LBSEVO570**	2 3/4	2 5/8	100
0.276 TX 30	**LBSEVO780**	3 1/8	2 15/16	100



Zn ELECTRO PLATED

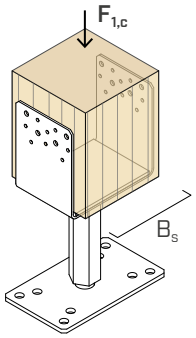
LBA - high bond nail

d_1 [in]	CODE	L [in]	b [in]	pcs
0.16	**LBA460***	2 3/8	1 15/16	250

* Using 16d common nails instead of LBA460 yields the same capacity.

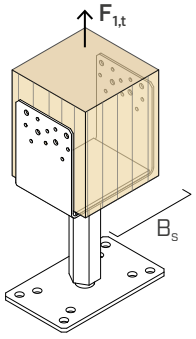
STRUCTURAL VALUES

COMPRESSION STRENGTH



post base	column		
	B_s [in]	$L_{s,min}$ [in]	$F_{1,c\ steel}$ [lbf]
R80100L	5.5	5.5	**5260**

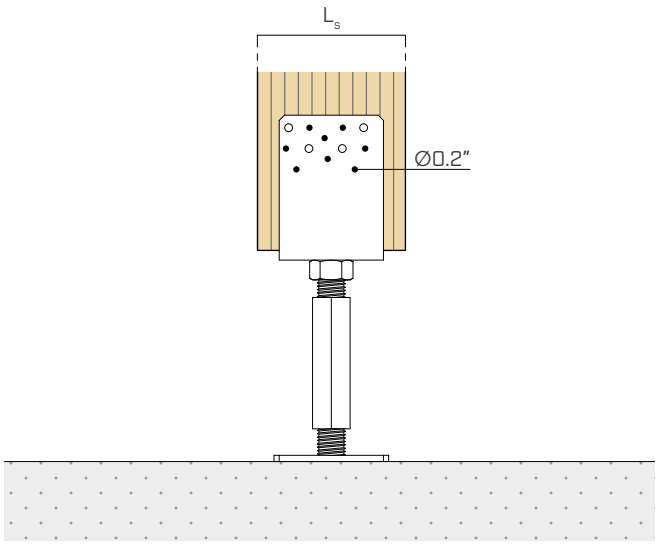
TENSILE STRENGTH



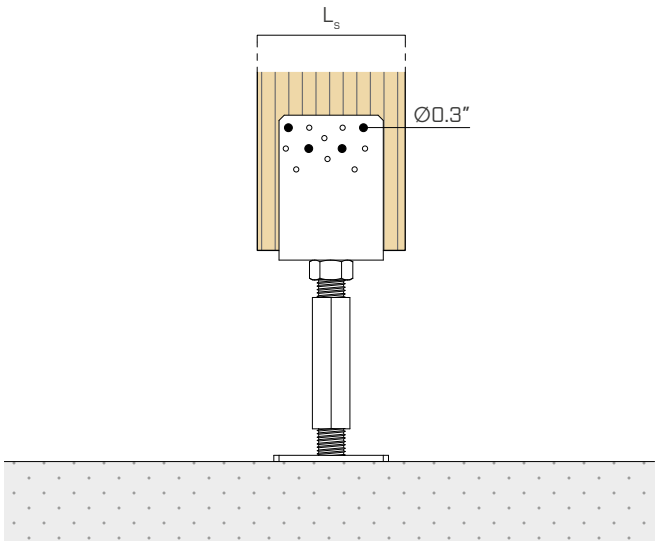
post base	column		configuration	fastening		$F_{1,t,ASD}$[1]		
	B_s [in]	$L_{s,min}$ [in]		type	qty	SG = 0.55 [lbf]	SG = 0.5 [lbf]	SG = 0.42 [lbf]
R80100L	5.5	5.5	pattern 1	LBA460	16 (8 per side)	**2075**	**2075**	**1965**
			pattern 1	16d common wire nails	16 (8 per side)	**2075**	**2075**	**1965**
			pattern 1	LBSEVO570[2]	16 (8 per side)	**2075**	**2075**	**1965**
			pattern 2	LBSEVO780[2]	8 (4 per side)	**2075**	**2075**	**1965**

[1] No further increase for load duration is allowed.
[2] These fasteners are not included in the Listing. The uplift capacity in timber was calculated according to 2024 NDS.

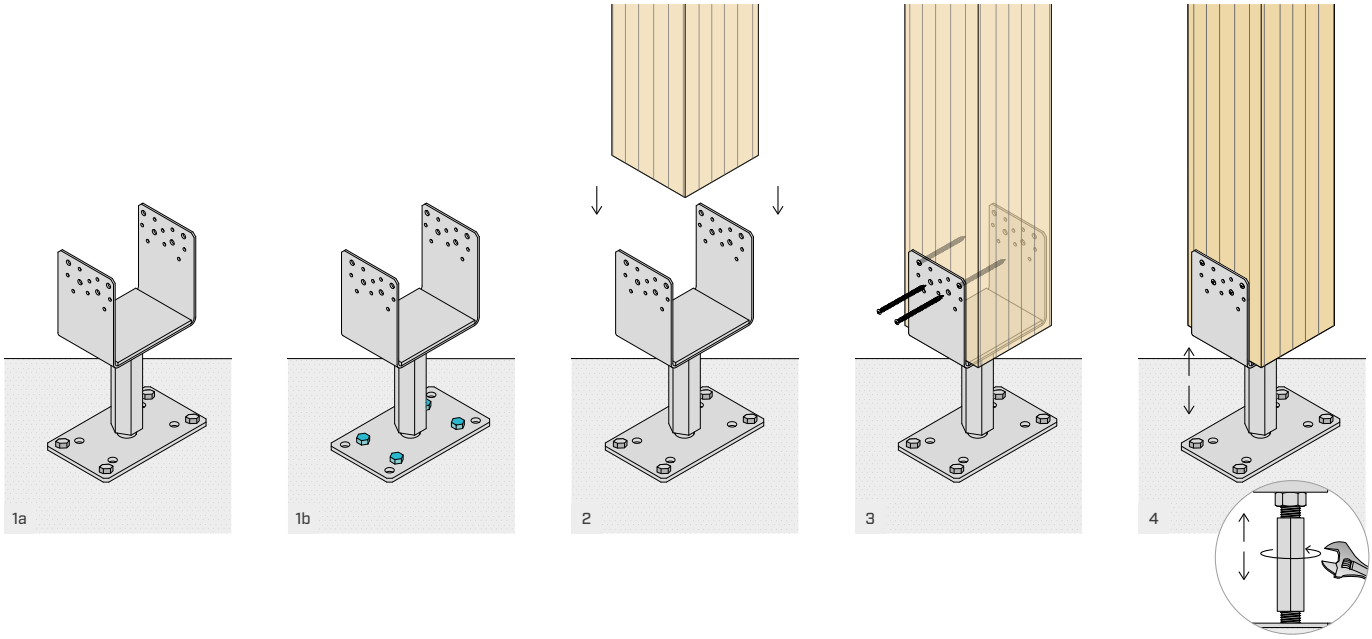
pattern 1



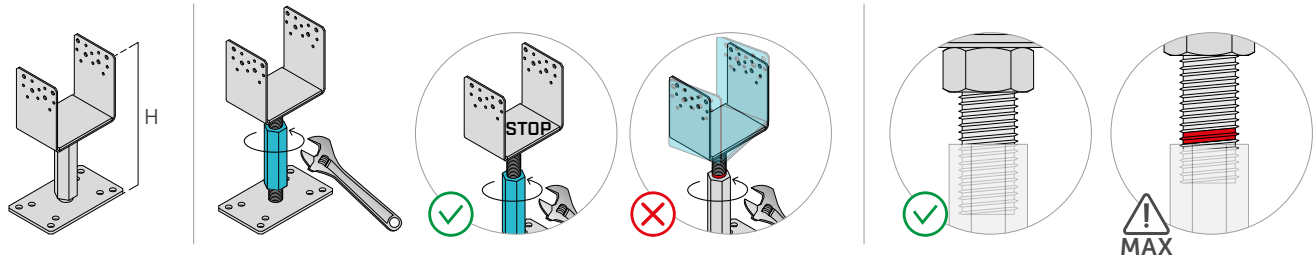
pattern 2



MOUNTING



ADJUSTMENT METHODS



GENERAL PRINCIPLES

- The tensile strength values of the post base on the timber side are calculated considering the shear resistance parallel to the grain of LBS EVO screws, in accordance with 2024 NDS.
- Timber and concrete elements must be sized and checked separately.