R40

ADJUSTABLE POST BASE

A2 AISI 304 | S235 DAC COAT | CE ETA 10/0422

VARIABLE HEIGHT
Height adjustable according to functional or aesthetic needs.

RAISED
Outdistanced from the ground to avoid water splash and stagnation and guarantee high durability. Concealed fastening on the timber element.

FACILITATED FASTENING
Convenient installation of the anchors in the rectangular base version.

CHARACTERISTICS

FOCUS	adjustable height
COLUMNS	from 70 x 70 mm to 200 x 200 mm
HEIGHT	adjustable from 50 to 200 mm
FASTENERS	HBS PLATE EVO, SKR, VIN-FIX PRO

MATERIAL

Bright zinc plated carbon steel Dac Coat and stainless steel A2 | AISI304.

FIELDS OF USE

Outdoor joints. Suitable for service class 1, 2 and 3

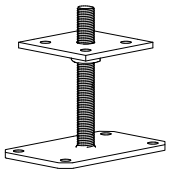
- solid timber and glulam
- CLT, LVL

CODES AND DIMENSIONS

S235
DAC COAT

R40 L - Long - rectangular base

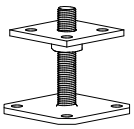
CODE	top plate [mm]	top holes [n. x mm]	bottom plate [mm]	lower holes [n. x mm]	rod Ø x L [mm]	pcs
R40L150	100 x 100 x 6	4 x Ø11	160 x 100 x 6	4 x Ø11,5	20 x 150	1
R40L250	100 x 100 x 6	4 x Ø11	160 x 100 x 6	4 x Ø11,5	24 x 250	1



S235
DAC COAT

R40 S - Square - square base

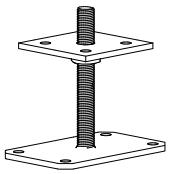
CODE	top plate [mm]	top holes [n. x mm]	bottom plate [mm]	lower holes [n. x mm]	rod Ø x L [mm]	pcs
R40S70	70 x 70 x 6	2 x Ø6	100 x 100 x 6	4 x Ø11,5	16 x 99	1
R40S80	80 x 80 x 6	4 x Ø11	100 x 100 x 6	4 x Ø11,5	20 x 99	1



A2
AISI 304

RI40 L A2| AISI304 - Long - rectangular base

CODE	top plate [mm]	top holes [n. x mm]	bottom plate [mm]	lower holes [n. x mm]	rod Ø x L [mm]	pcs
RI40L150	100 x 100 x 6	4 x Ø11	160 x 100 x 6	4 x Ø11,5	20 x 150	1
RI40L250	100 x 100 x 6	4 x Ø11	160 x 100 x 6	4 x Ø11,5	24 x 250	1

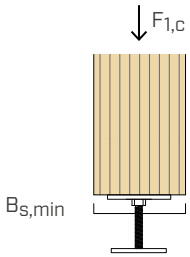


RI40 A2 | AISI304

Available in the rectangular base version also in A2 | AISI304 stainless steel for excellent durability.

STATIC VALUES

COMPRESSION STRENGTH



R40 L - Long

CODE	$B_{s,min}$	$R_{1,c\ k\ timber}$		$R_{1,c\ k\ steel}$			
	[mm]	[kN]	γ_{timber}	[kN]	γ_{steel}	[kN]	γ_{steel}
R40L150	100	**100,0**	γ_{MT} (1)	**41,9**	γ_{M0}	**57,1**	γ_{M1}
R40L250	100	**100,0**		**50,7**		**65,3**	

R40 S - Square

CODE	$B_{s,min}$	$R_{1,c\ k\ timber}$		$R_{1,c\ k\ steel}$			
	[mm]	[kN]	γ_{timber}	[kN]	γ_{steel}	[kN]	γ_{steel}
R40S70	80	**50,7**	γ_{MT} (1)	**23,3**	γ_{M0}	**39,6**	γ_{M1}
R40S80	100	**64,0**		**38,1**		**61,8**	

NOTES:

(1) Partial coefficient of the timber.

GENERAL PRINCIPLES:

- Characteristic values according to ETA-10/0422.
- The design values are obtained from the characteristic values as follows:

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

The coefficients k_{mod} and y should be taken according to the current regulations used for the calculation.

- For the calculation process a timber density ρ_k = 350 kg/m^3 has been considered.
- Dimensioning and verification of timber and concrete elements must be carried out separately.