

ADJUSTABLE POST BASE

ADJUSTABLE AFTER INSTALLATION

The height can also be adjusted after assembly is completed, according to functional or aesthetic requirements.

RAISED

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

DURABILITY

Available in both DAC COAT and AISI304 stainless steel to ensure durability in all situations.



USA, Canada and more design values available online.



SERVICE CLASS

SC1

SC2

SC3

MATERIAL

S235
DAC COAT

S235 carbon steel with special coating DAC COAT

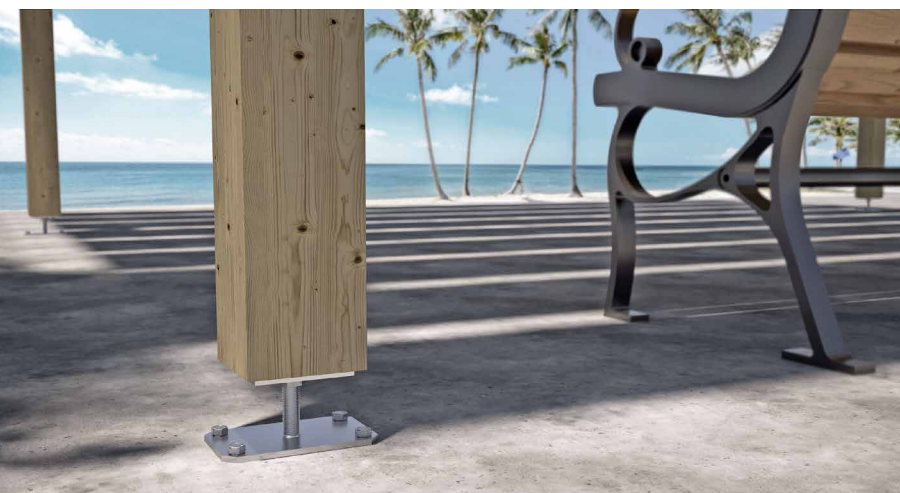
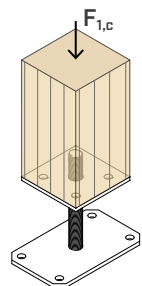
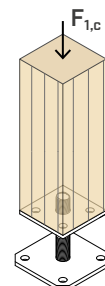
A2
AISI 304

austenitic stainless steel
A2 | AISI304 (CRC II)

GROUND CLEARANCE

adjustable from 35 to 250 mm

EXTERNAL LOADS



FIELDS OF USE

Ground joints for compressed columns, with the possibility of adjusting the support height after installation.
Canopies, carports, pergolas.

Suitable for columns in:

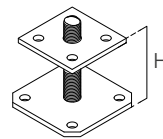
- solid timber softwood and hardwood
- Glulam, LVL

CODES AND DIMENSIONS

R40 S - Square - square base

CODE	H [mm] [in]	top plate [mm] [in]	top holes [n. x mm] [n. x in]	bottom plate [mm] [in]	lower holes [n. x mm] [n. x in]	rod Ø x L [mm] [in]	pcs
R40S70	35-100 1 3/8 - 4	70 x 70 x 6 2 3/4 x 2 3/4 x 0.24	2 x Ø6 2 x Ø0.24	100 x 100 x 6 4 x 4 x 0.24	4 x Ø11,5 4 x Ø0.45	16 x 99 0.63 x 3 7/8	1
R40S80	40-100 1 9/16 - 4	80 x 80 x 6 3 1/8 x 3 1/8 x 0.24	4 x Ø11 4 x Ø0.43	100 x 100 x 6 4 x 4 x 0.24	4 x Ø11,5 4 x Ø0.45	20 x 99 0.79 x 3 7/8	1

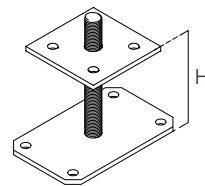
S235
DAC COAT



R40 L - Long - rectangular base

CODE	H [mm] [in]	top plate [mm] [in]	top holes [n. x mm] [n. x in]	bottom plate [mm] [in]	lower holes [n. x mm] [n. x in]	rod Ø x L [mm] [in]	pcs
R40L150	40-150 1 9/16 - 6	100 x 100 x 6 4 x 4 x 0.24	4 x Ø11 4 x Ø0.43	160 x 100 x 6 6 1/4 x 4 x 0.24	4 x Ø11,5 4 x Ø0.45	20 x 150 0.79 x 6	1
R40L250	40-250 1 9/16 - 10	100 x 100 x 6 4 x 4 x 0.24	4 x Ø11 4 x Ø0.43	160 x 100 x 6 6 1/4 x 4 x 0.24	4 x Ø11,5 4 x Ø0.45	24 x 250 0.95 x 6	1

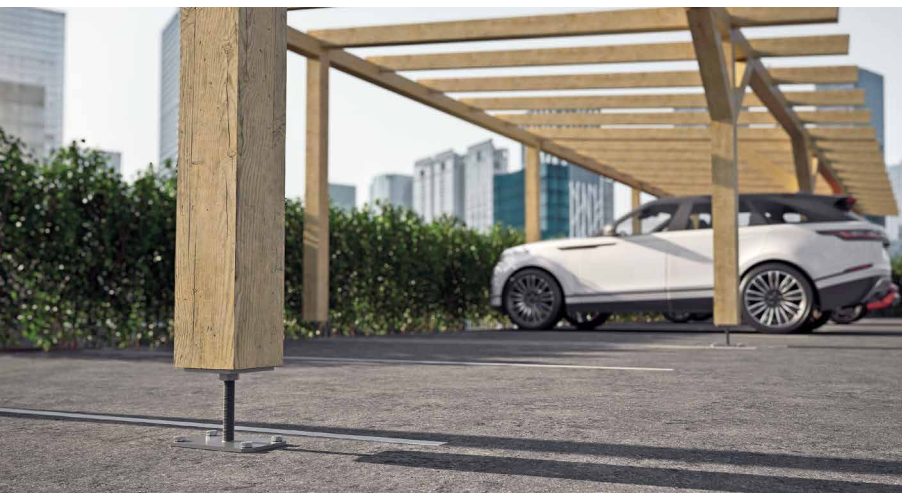
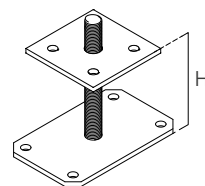
S235
DAC COAT



RI40 L A2 | AISI304 - Long - rectangular base

CODE	H [mm] [in]	top plate [mm] [in]	top holes [n. x mm] [n. x in]	bottom plate [mm] [in]	lower holes [n. x mm] [n. x in]	rod Ø x L [mm] [in]	pcs
RI40L150	40-150 1 9/16 - 6	100 x 100 x 6 4 x 4 x 0.24	4 x Ø11 4 x Ø0.43	160 x 100 x 6 6 1/4 x 4 x 0.24	4 x Ø11,5 4 x Ø0.45	20 x 150 0.79 x 6	1
RI40L250	40-250 1 9/16 - 10	100 x 100 x 6 4 x 4 x 0.24	4 x Ø11 4 x Ø0.43	160 x 100 x 6 6 1/4 x 4 x 0.24	4 x Ø11,5 4 x Ø0.45	24 x 250 0.95 x 6	1

A2
AISI 304

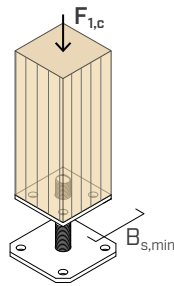


RI40 A2 | AISI304

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

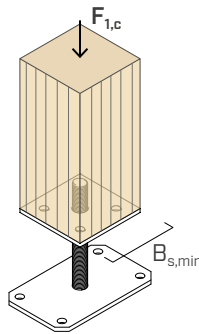
STRUCTURAL VALUES

COMPRESSION STRENGTH



R40 S - Square

CODE	B _{s,min} [mm]	R _{1,c} k timber		R _{1,c} k steel			
		[kN]	γ _t 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	



R40 L - Long

CODE	B _{s,min} [mm]	R _{1,c} k timber		R _{1,c} k steel			
		[kN]	γ _t 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	

RI40 L A2 | AISI304 - Long

CODE	B _{s,min} [mm]	R _{1,c} k timber		R _{1,c} k steel			
		[kN]	γ _t timber	[kN]	γ _{steel}	[kN]	γ _{steel}
RI40L150	100	100,0	γ _{MT} ⁽¹⁾	38,8	γ _{M0}	47,8	γ _{M1}
RI40L250	100	100,0		47,1		57,0	

NOTES

(1) γ_{MT} partial coefficient of the timber.

UK CONSTRUCTION PRODUCT EVALUATION

- UKTA-0836-22/6374.

GENERAL PRINCIPLES

- Characteristic values are consistent with EN 1995-1-1:2014 and in accordance with ETA-10/022.
- Design values can be obtained from characteristic values as follows:

$$R_d = \min \left\{ \frac{R_{i,k \text{ timber}} \cdot k_{mod}}{\gamma_M}, \frac{R_{i,k \text{ steel}}}{\gamma_{Mi}} \right\}$$

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.