

**BSP™**

**Raised floor  
pedestals**

# BSP™

Adaptable to any situation



## A single product, numerous accessories.

Peygran outdoor support plots are ideal for projects in which a floating, elevated, raised or access floor has to be used.

They are the best alternative to traditional construction methods for this type of project, reducing the weight and removing architectural barriers.

They provide high quality finishes, reducing labour and facilitating subsequent maintenance of the installations.



# BSP™



**BSP1**

35 - 50 mm

**BSP2**

50 - 80 mm

**BSP3**

80 - 140 mm

**BSP4**

140 - 255 mm



## Adaptable to any situation

The main advantage of our plot is its versatility when it comes to planning and installing a project. The BSP range has countless accessories to customise your installation according to your needs.

## Wide range of heights

Ranging from 34 mm for the lowest model (BSP1) to 655 mm for BSP4 + 4 extensions. Peygran's BSP support plots are the right solution for your raised floor project, and can be adapted to any requirements.

## Extendible height

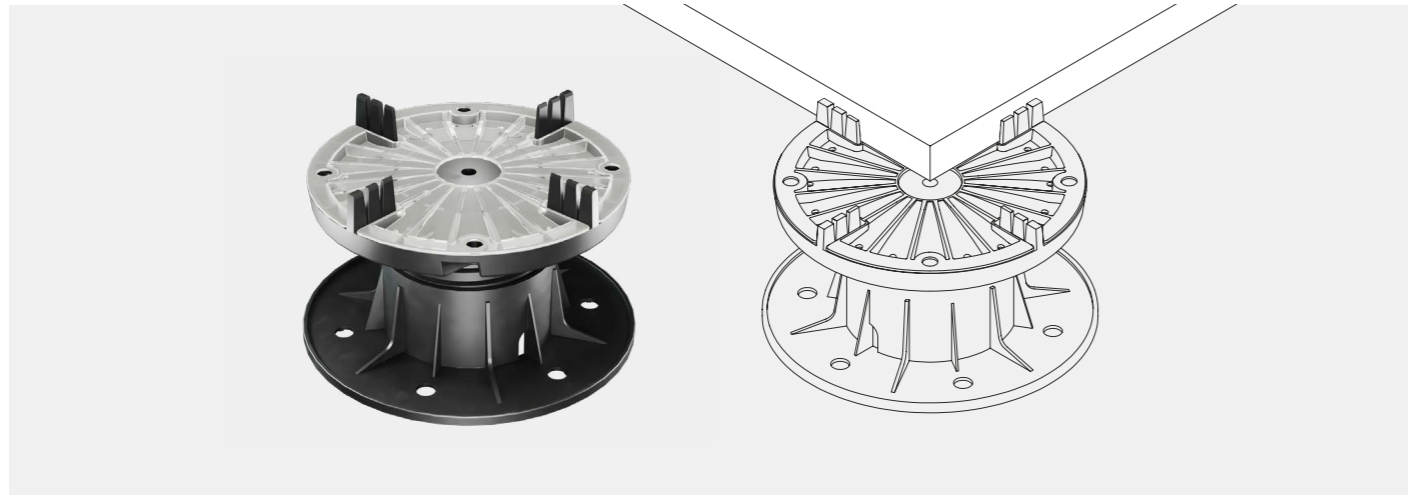
The design of the BSP4 allows its height to be increased by inserting up to 4 extensions, increasing by 100 mm with each extension.

## Tabs of 4, 3 or 2 mm

All BSP models have three tab thicknesses available to generate different joint widths. By default, it generates 4 mm joints.



# BSP™

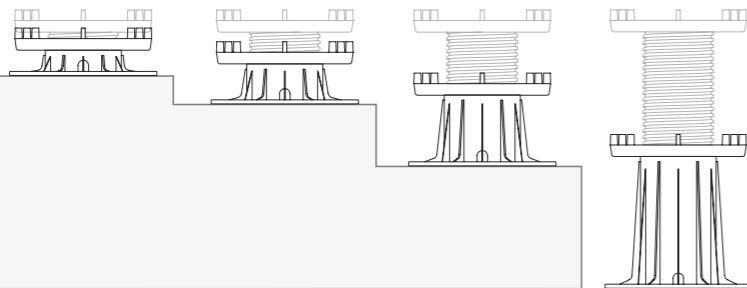


Highly durable and versatile for installation. It meets the essential requirements for installations. It has a wide range of heights, from 35 to 255 mm, which can be increased using extensions.

Its wide variety of accessories makes it highly versatile for every installation or project need. It can be used together with additional fixed supports if required.



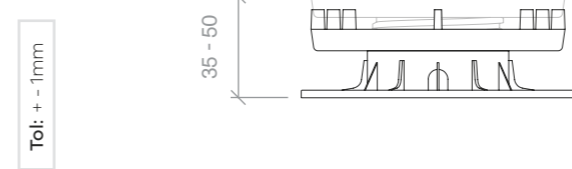
**BSP1** 35 - 50 mm    **BSP2** 50 - 80 mm    **BSP3** 80 - 140 mm    **BSP4** 140 - 255 mm



REF.	ARTICLE	PACKING			
03140001Z	BSP Plot 1 35 - 50 mm 1 ud	107	582×400×385	14,56	8436585254057
03140002Z	BSP Plot 2 50 - 80 mm 1 ud	72	582×400×385	12,24	8436585254064
03140003Z	BSP Plot 3 80 - 140 mm 1 ud	48	582×400×385	10,44	8436585254071
03140004Z	BSP Plot 4 140 - 255 mm 1 ud	36	582×400×385	11,20	8436585254088

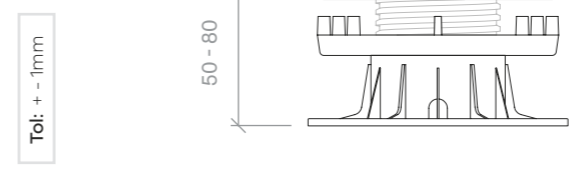
## BSP1

- 35 mm Minimum height
- 50 mm Maximum height
- 130 mm Upper diameter
- 140 mm Lower diameter
- 128 g Weight
- 7.47 kN Central maximum load<sup>1</sup> [kN]
- 5.26 kN Maximum load<sup>1</sup> [kN] on 1/2
- 40° to 65°C Usage temperature
- 4/3/2 mm Distance between tiles
- 6 mm Screw pitch



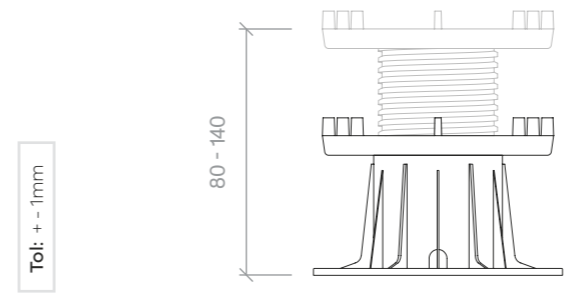
## BSP2

- 50 mm Minimum height
- 80 mm Maximum height
- 130 mm Upper diameter
- 140 mm Lower diameter
- 150 g Weight
- 7.69 kN Central maximum load<sup>1</sup> [kN]
- 6.02 kN Maximum load<sup>1</sup> [kN] on 1/2
- 40° to 65°C Usage temperature
- 4/3/2 mm Distance between tiles
- 6 mm Screw pitch



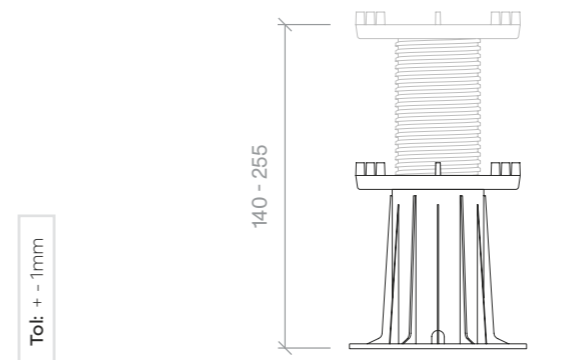
## BSP3

- 80 mm Minimum height
- 140 mm Maximum height
- 130 mm Upper diameter
- 140 mm Lower diameter
- 194 g Weight
- 6.46 kN Central maximum load<sup>1</sup> [kN]
- 4.78 kN Maximum load<sup>1</sup> [kN] on 1/2
- 40° to 65°C Usage temperature
- 4/3/2 mm Distance between tiles
- 6 mm Screw pitch



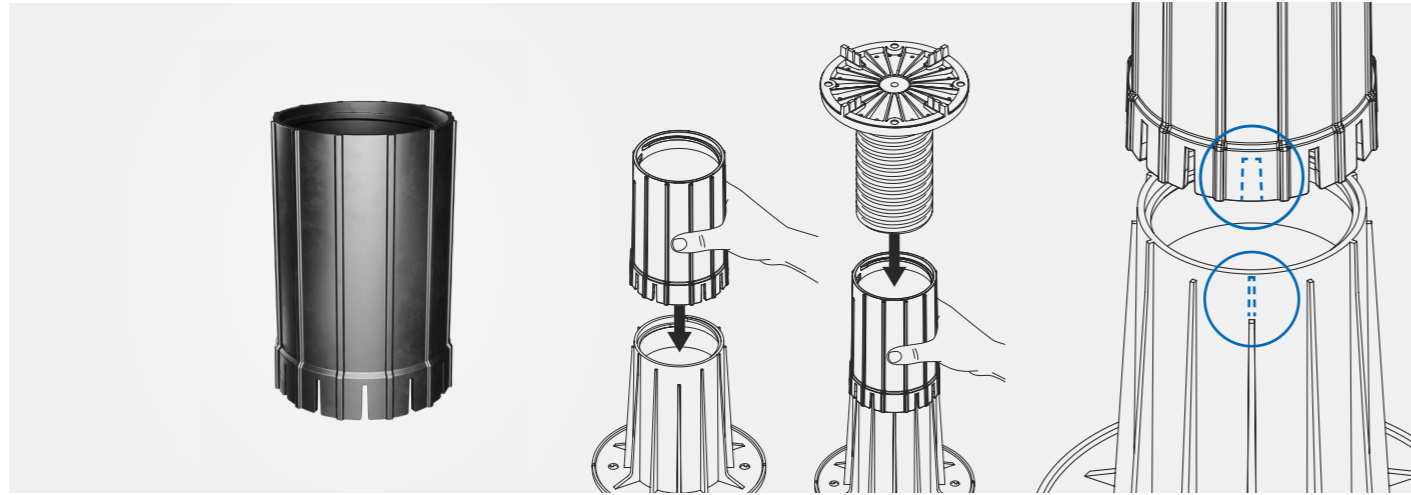
## BSP4

- 140 mm Minimum height
- 255 mm Maximum height
- 130 mm Upper diameter
- 140 mm Lower diameter
- 287 g Weight
- 6.91 kN Central maximum load<sup>1</sup> [kN]
- 5.59 kN Maximum load<sup>1</sup> [kN] on 1/2
- 40° to 65°C Usage temperature
- 4/3/2 mm Distance between tiles
- 6 mm Screw pitch



Load Limit: Values according to AUU tests, tests according to UNE-EN 12825:2002 Section 5.31. Available upon request.

## Bushing 100 mm 55 units



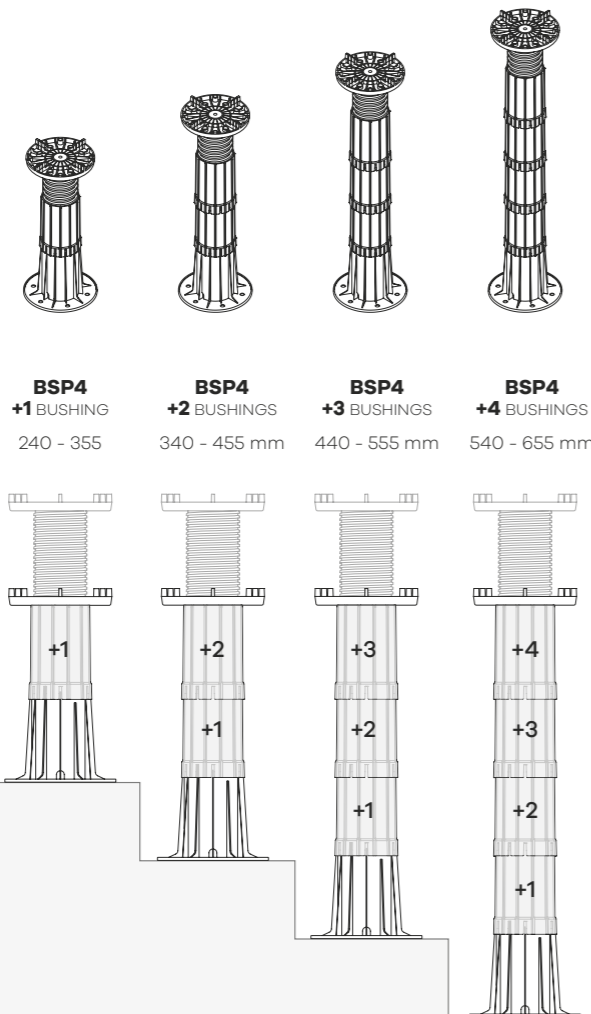
Accessory to raise adjustable support plots by 100 mm. They can be connected together and raised up to a height of 655 mm (BSP4 + extension(s)).

It should be installed with a joist substructure to ensure the stability of the assembly.

### IMPORTANT!

The bushing has a series of grooves that fit with the ribs of the BSP base.

The correct installation of the bushing with the BSP base is done by aligning the two points indicated in the image.

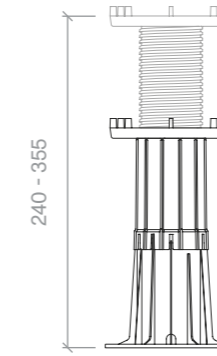


REF.	ARTICLE	PACKING			
03181402A	Accessories PE. Bushing 100 mm 55 units	1	395×295×450	5,38	8436585254095

### BSP4 + 1 Bushing

- 240 mm Minimum height
- 355 mm Maximum height
- 130 mm Upper diameter
- 140 mm Lower diameter
- 377 g Weight
- 6.54 kN Central maximum load<sup>1</sup> [kN]
- 4.74 kN Maximum load<sup>1</sup> [kN] on 1/4
- 40° to 65°C Usage temperature
- 4/3/2 mm Distance between tiles
- 6 mm Screw pitch

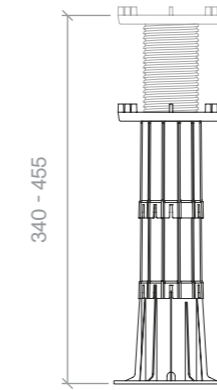
Tol: + - 1mm



### BSP4 + 2 Bushings

- 340 mm Minimum height
- 455 mm Maximum height
- 130 mm Upper diameter
- 140 mm Lower diameter
- 467 g Weight
- 40° to 65°C Usage temperature
- 4/3/2 mm Distance between tiles
- 6 mm Screw pitch

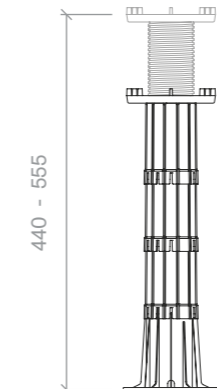
Tol: + - 1mm



### BSP4 + 3 Bushings

- 440 mm Minimum height
- 555 mm Maximum height
- 130 mm Upper diameter
- 140 mm Lower diameter
- 557 g Weight
- 40° to 65°C Usage temperature
- 4/3/2 mm Distance between tiles
- 6 mm Screw pitch

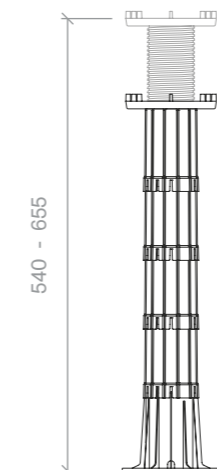
Tol: + - 1mm



### BSP4 + 4 Bushings

- 540 mm Minimum height
- 655 mm Maximum height
- 130 mm Upper diameter
- 140 mm Lower diameter
- 647 g Weight
- 40° to 65°C Usage temperature
- 4/3/2 mm Distance between tiles
- 6 mm Screw pitch

Tol: + - 1mm



Load Limit: Values according to AUU tests, tests according to UNE-EN 12825:2002 Section 5.31. Available upon request.

# Tilting Head

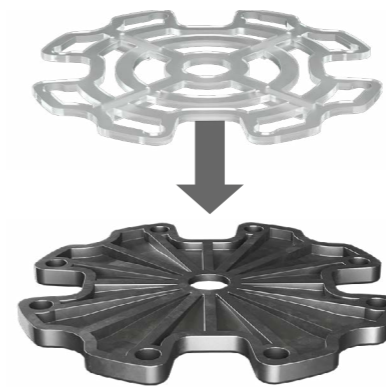
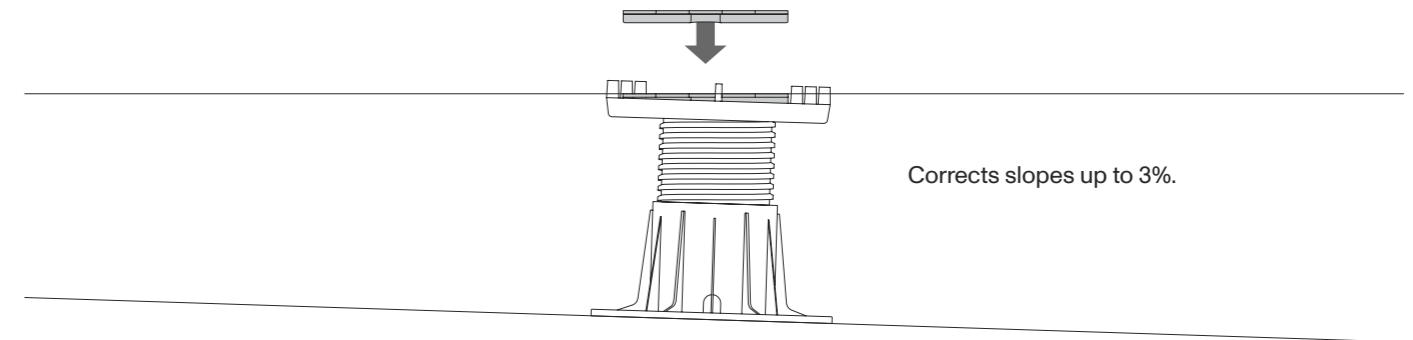


## Tilting Head from 0% to 3%



The tilting head allows plots to be fully levelled on slopes of up to 3%. It has its own customised plot pad, with two versions for different slopes, one for 0% slopes and the other for 2% slopes, with a possible total incline of 5%. Compatible with fixed supports.

Not compatible with fixed plot pads. For installations on slopes greater than 5%, a slope regulator can also be added.



The tilting head's plot pad increases the total height by 1 mm. Available for 0% and 2% slopes.

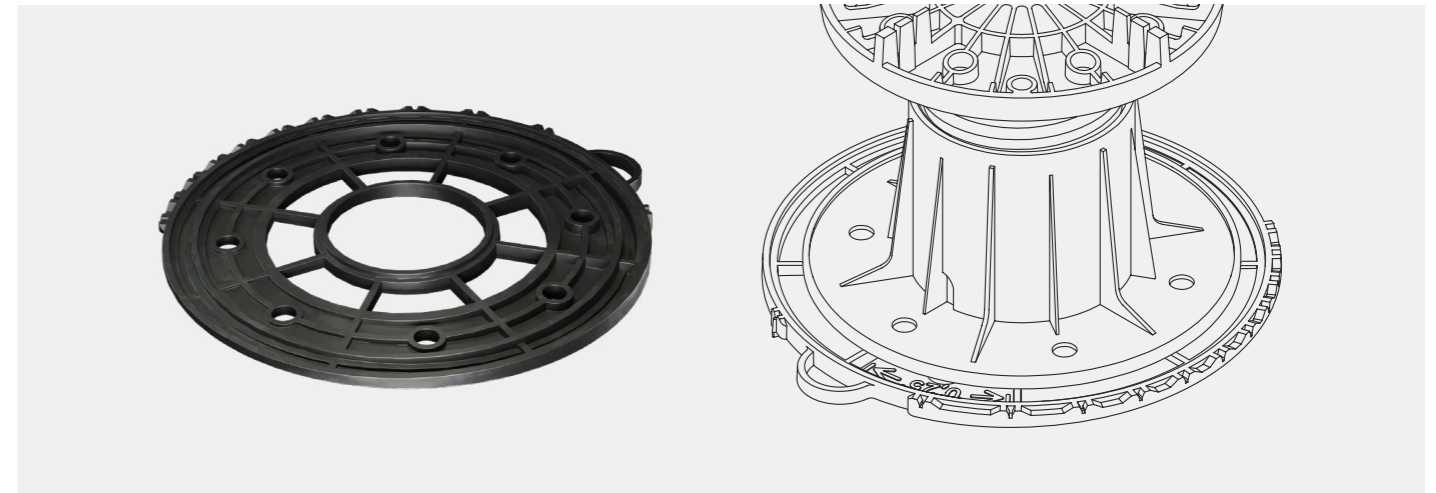
The tilting head increases the total height by 2.5 mm.

REF.	ARTICLE	PACKING			
03181806A	Accessories PE.Tilting Head from 0% to 3% 10 units	54	395×295×450	12,14	8436585254132
03181807A	Accessories PE. Pad Head Tilting 0% 10 units	100	395×295×450	6,22	8436585254149
03181808A	Accessories PE. Pad Head Tilting 2% 10 units	78	395×295×450	7,24	8436585254156

# Regulator Slope 2,5%

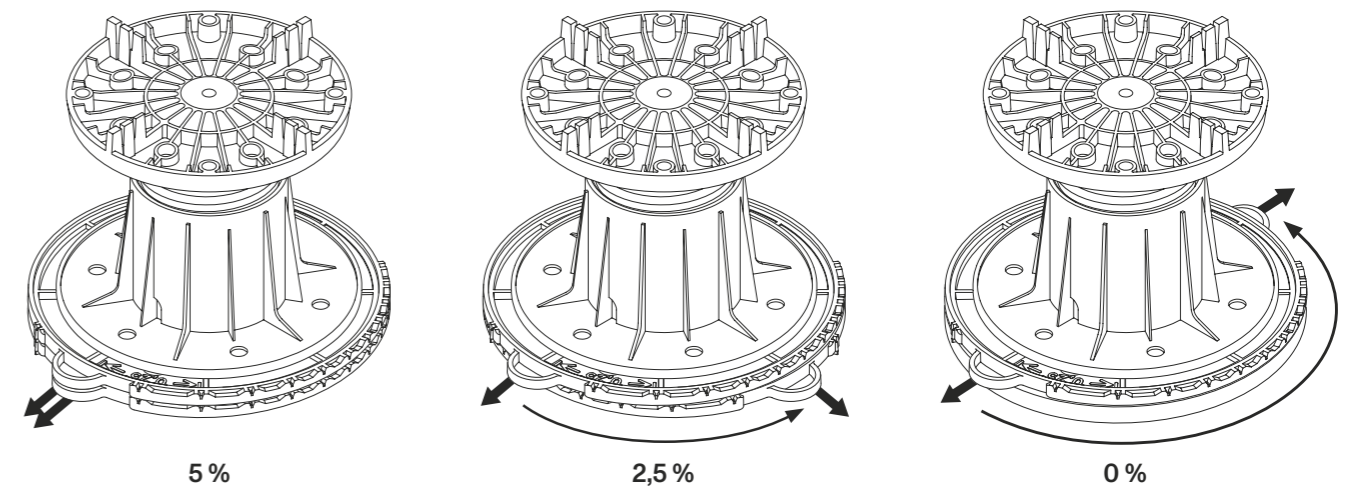
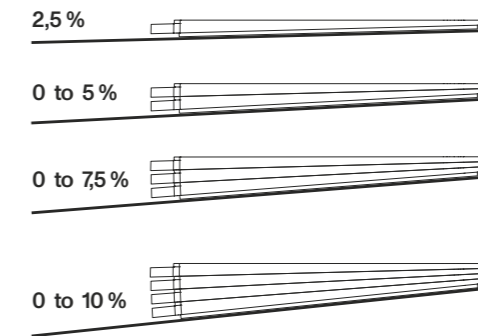


## Regulator Slope 2,5%



The Slope Regulator keeps the plot perfectly level on slopes, preventing any lippage between tiles. The Regulator is a circular wedge with a 2.5% incline. It is attached to the base of the pedestals and up to 4 Regulators can be combined to offset slopes of up to 10%.

It can be used together with the tilting head in installations with a slope greater than 3%. It is advisable to adjust the slope by using plots with extensions and always use a tubular plot.



REF. ARTICLE

03181810Z Accesories PE. Regulator Slope 2,5% 1 unit

PACKING



275 395x295x450 18,61 8436585254460

## Pad Fixed 10 units

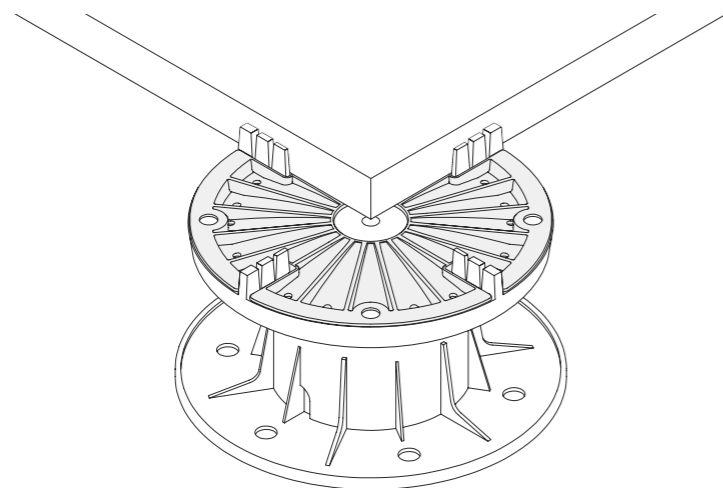


The BSP fixed plot pad provides extra support for the floor. It reduces tile slippage and further reduces impact noise and vibrations. Made of elastomer materials.

Not compatible with tilting heads.  
Not compatible with BSP wooden joint anchors.  
Not compatible with clip-on head attachments.



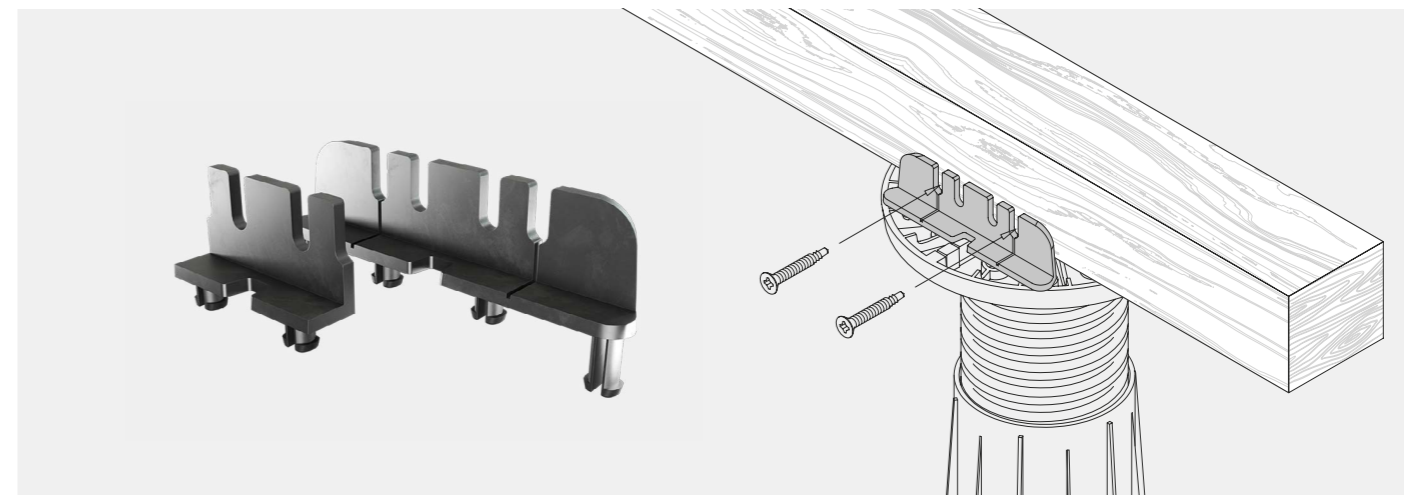
The plot pad increases the total height by 1.4 mm.



REF.	ARTICLE
03181805A	Accessories PE. Pad Fixed 10 units

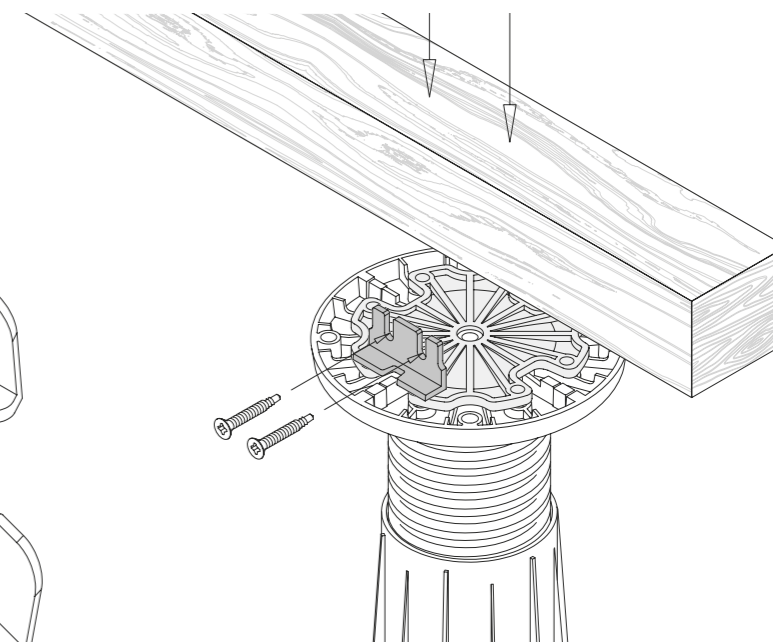
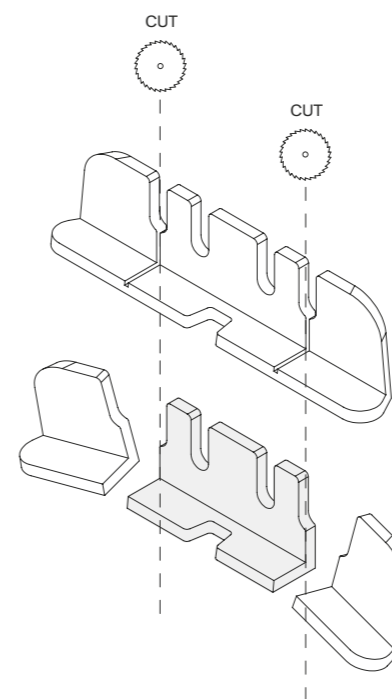
PACKING			
Icon	Quantity	Weight (kg)	Barcode
	420	7,92	8436585254125
	395x295x450		

## Anchor Joist Wood 10 units



The BSP wooden joist anchor is clipped directly onto the top of the support plots. Designed for screwing wooden joists and support plots together. Specially designed for use with joists in floorboards. It can be split at both ends and clipped onto the

tilting head. Wooden floorboards are a visually pleasing solution for raised floors. The finish achieved creates a cosier atmosphere.



Compatible with the tilting head.

REF.	ARTICLE
03181809A	Accessories PE. Anchor Joist Wood 10 units

PACKING			
Icon	Quantity	Weight (kg)	Barcode
	1	-	8436585254163
	395x295x450		



# Adapter Tube PVC75



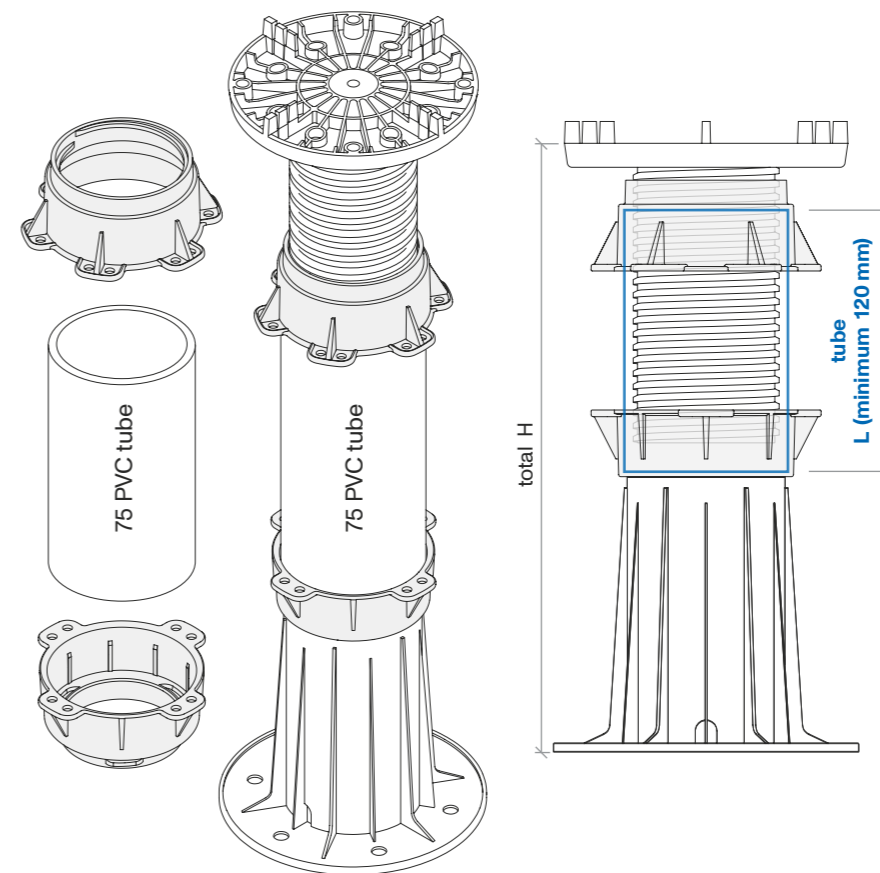
## Adapter Tube PVC75



Composed of two (upper and lower) pieces, the Adaptor allows you to add a Ø75 PVC tube with a customised height to the body of the plot. It is an alternative to stacking several 100 mm BSP extensions.

This ensures that the surface of the tube edge is fully in contact with the Adaptor and increases the strength of the assembly. The multiple two-holed tabs on each piece allow the installation's plots to be joined together with wire to make the flooring more secure.

For proper installation, it is important to cut the PVC tube at an exact angle of 90°.



**Tube features:**

- PVC Series B (UNE EN 1329)
- Diameter 75 (thickness: 3 mm)

**Minimum tube height: 120 mm.**

There is a minimum allowed size for the PVC tube, so that the plot head does not collide with its own base in its lowest position.

**How to calculate the length of the tube:**

- For BSP3:  $L = \text{Total H} - 91 \text{ mm}$
- For BSP4:  $L = \text{Total H} - 146 \text{ mm}$

$L$  = Tube cutting length  
 $\text{Total H}$  = Desired height

**!IMPORTANT!**

The PVC tube must be cut at an exact angle of 90°. This ensures that the edge of the tube is fully in contact with the Adaptor and maintains the strength of the assembly.

REF. ARTICLE

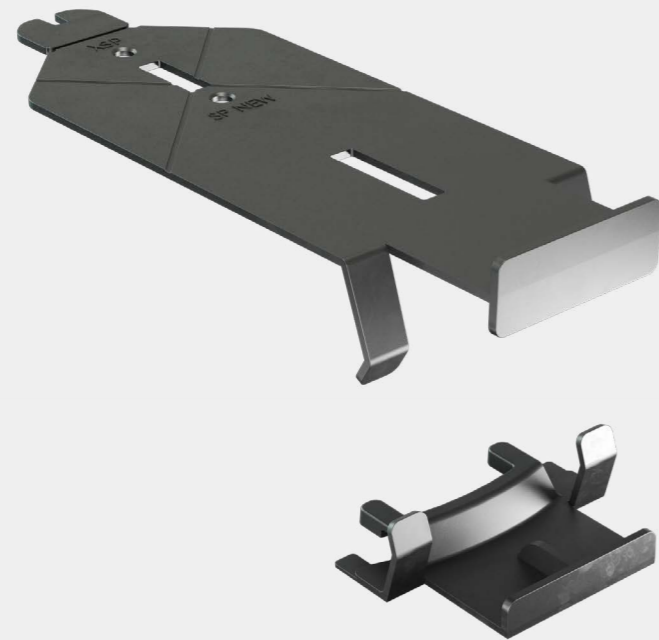
03181403A Accessories PE. Adapter Tube PVC75 10 units

PACKING

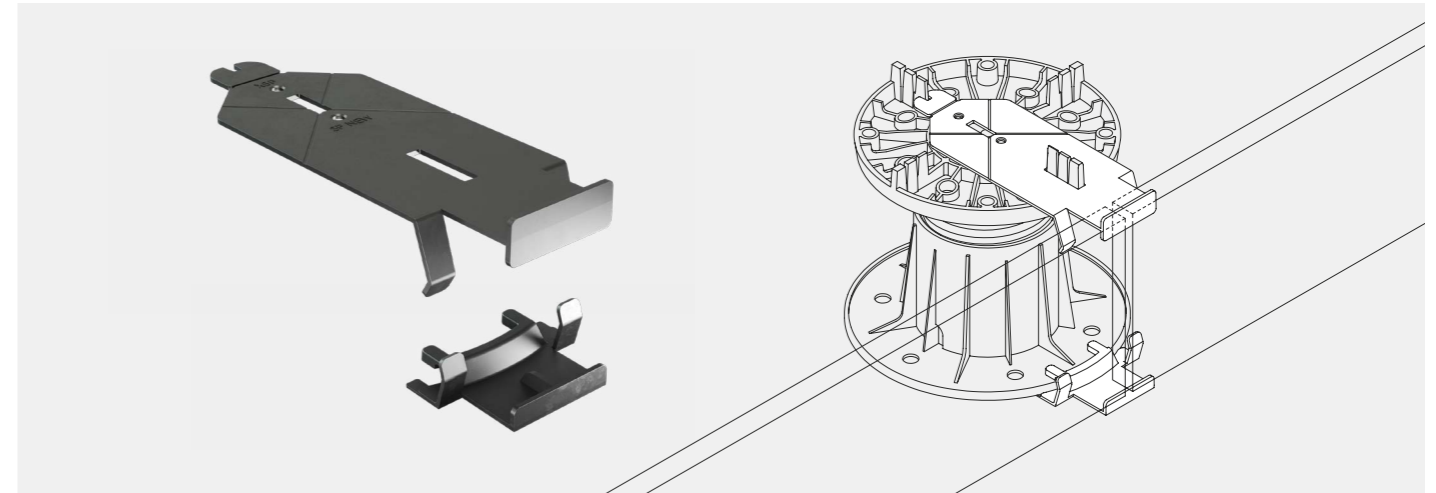


1 395x295x450 - 8436585254101

# Closing Vertical PA

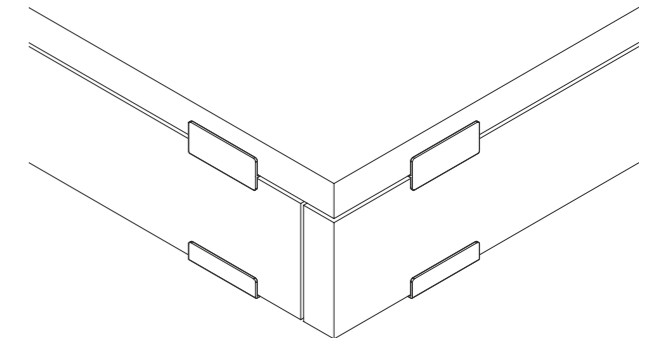
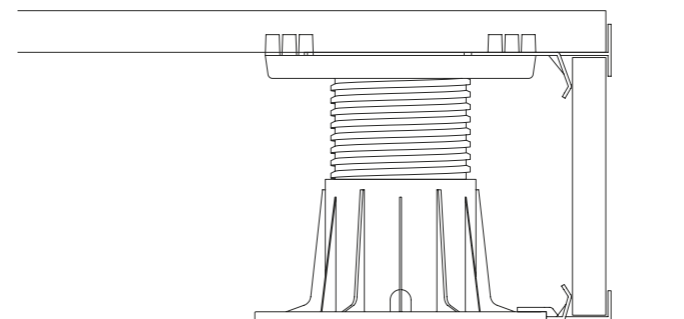
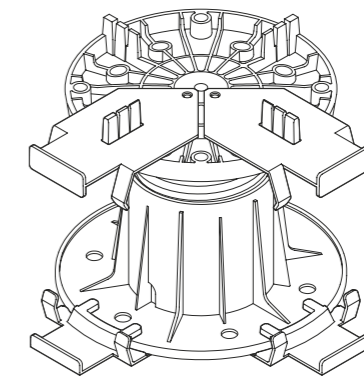
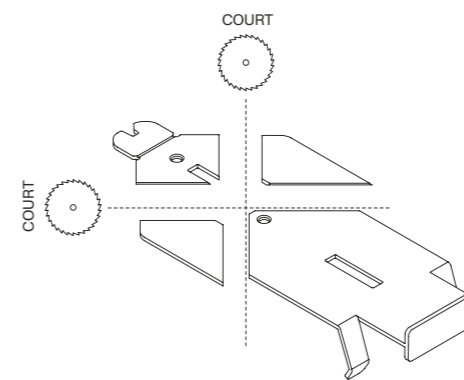


## Closing Vertical PA



The Vertical Enclosure kit allows you to create a vertical panel or partition between the support base and the tiles. It is only compatible with tiles that are 18 - 20 mm thick. The Vertical Enclosure allows the tiles to be fixed in place, preventing them from moving sideways. The Vertical Enclosure's tiles and pedestals must be

supported on a stable base. Composed of two parts: upper clip and lower clip. Not compatible with the BSP slope regulator.



REF.	ARTICLE
03181804A	Accessories PE. Closing Vertical PA 10 units

P A C K I N G			
1	395x295x450	-	843658525418

## Joint Perimeter

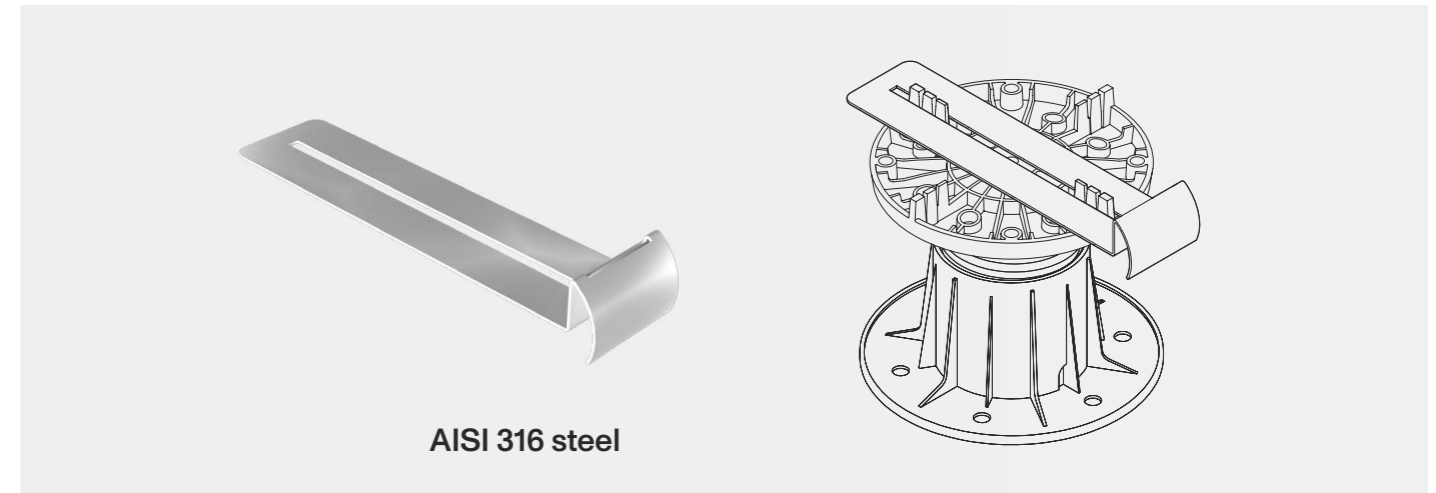


Polyamide

This allows you to create edge joints, preventing the tiles from moving freely but allowing space for deformations due to expansion.

Its use is recommended when installing panels with lengths of 5 metres or less.

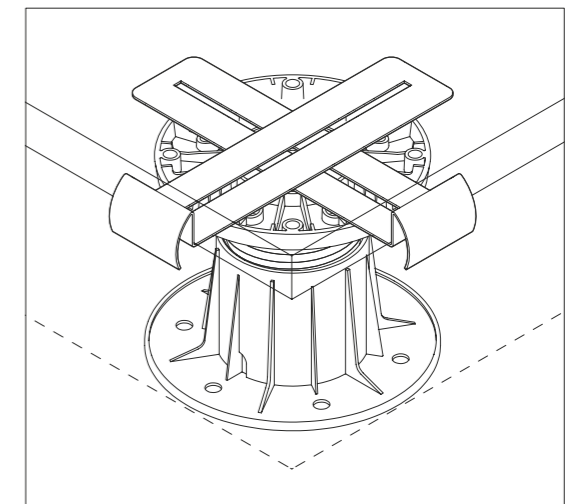
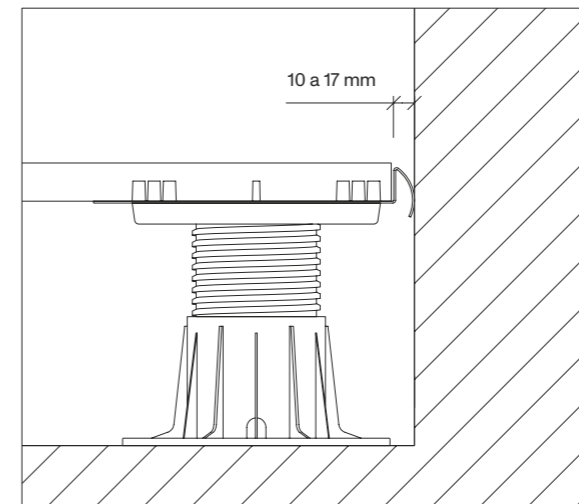
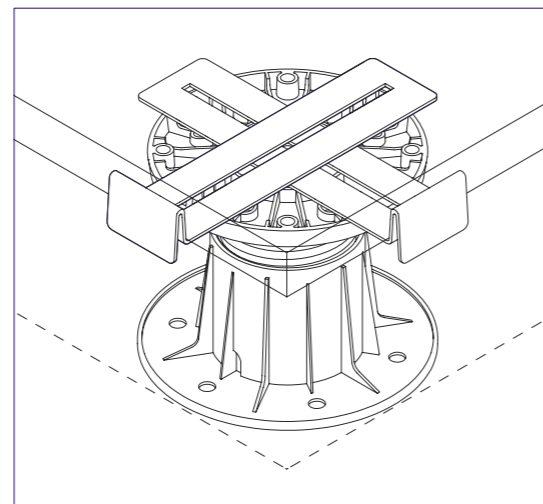
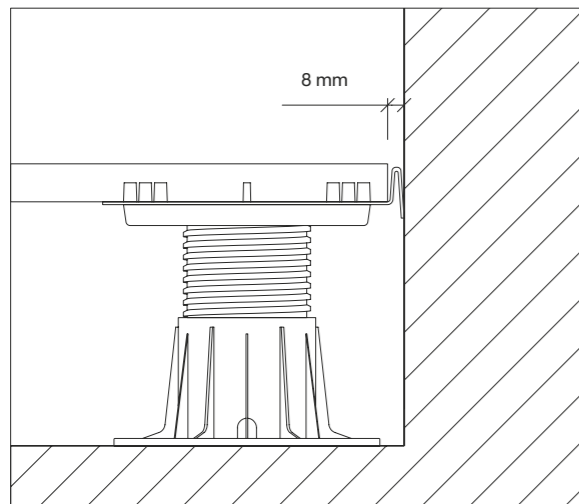
## Dilator Perimeter INOX



AISI 316 steel

This allows you to create edge expansion joints, preventing the tiles from moving freely but allowing space for deformations due to expansion. It can be used in all installations but this model is recommended for installations

where the length of the panel is more than 5 metres.



REF.	ARTICLE
03181811A	Accesorios PE. Joint Perimeter 10 units

PACKING			
38	395×295×450	11,58	8436585254187

REF.	ARTICLE
03040133Z	Accesorios PE. Dilator Perimeter INOX 1 unit

PACKING			
250	395×295×450	14,93	8436585251599

## Installation: BSP



**1. Fitting of edge pieces**

It will be necessary to remove the tile spacer tabs on top of the plots that are around the perimeter's edge, so that the plot is fully beneath the tile and not on the centre line of the joint.



**2. Tile levelling**

Place the tile on the support plots. Use a spirit level to check and adjust the height at each bearing point by turning the bases of each of the plots.



**3. Creating an edge joint**

Use a Perimeter Joint or Perimeter Spacer (accessories) to create edge joints. This ensures that the joint width between the tiles remains constant.



**5. Access flooring**

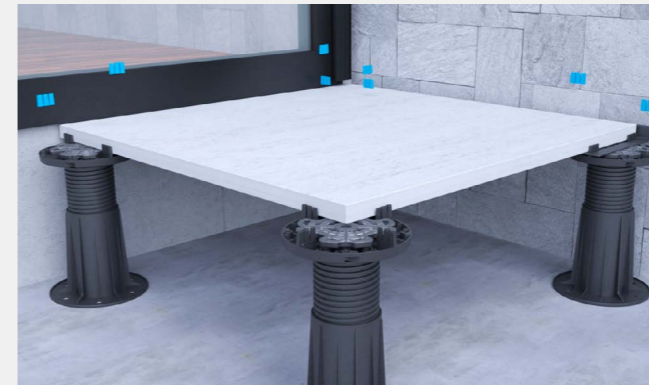
This results in a fully accessible surface that allows you to reach lower installations such as drains, electrical wiring, plumbing, etc.

The design and installation of outdoor raised flooring must be carried out in accordance with the UNE EN 12825:2002 European standard, which forms the basis for the specifications of Peygran Raised Floor Support Plots and Peygran Pedestals. It is only recommended to use rigid tiles specifically designed for use in raised flooring and to maintain the spacing between support plots recommended by the tile manufacturer according to the use of the tile. Raised flooring must be designed in a way that ensures that there is limited sideways movement of the flooring. Use Perimeter Spacers at joints with parapets or walls to prevent any sideways movement. In open-sided areas, keep the assembly stable by securing the pedestals to the ground where possible or by using stiffening elements such as metal profiles or linear masonry supports. The edge of the flooring must be immobilised or the whole assembly may become

unstable, leading to the collapse of the flooring. In a seismic zone 4, the height of the raised floor must not exceed 250 mm.

On inverted roofs we recommend using the Xsp Series with a larger footprint. It is not advisable to rest pedestals directly on thermal insulation for roofs with heavy foot traffic and we recommend using a compression layer of mortar on top of the insulation. In all other cases we recommend using CS(10)500 insulation (500 KPa minimum compressive strength according to EN 826) and DLT(2)2 insulation (maximum deformation under load and thermal deformation of 2% according to EN 1605).

## Installation: BSP + tilting head



**1. Fitting of edge pieces**

It will be necessary to remove the tile spacer tabs on top of the plots that are around the perimeter's edge, so that the plot is fully beneath the tile and not on the centre line of the joint.



**2. Slope correction**

The Tilting Head (accessory) works automatically together with the plot and corrects any slopes up to 3%, thus preventing any lippage between tiles.



**3. Tile levelling**

Place the tile on the support plots. Use a spirit level to check and adjust the height at each bearing point by turning the bases of each of the plots.



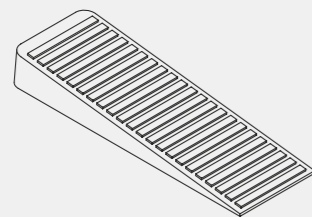
**4. Creating an edge joint**

Use a Perimeter Joint or Perimeter Spacer (accessories) to create edge joints. This ensures that the joint width between the tiles remains constant.



**5. Access flooring**

This results in a fully accessible surface that allows you to reach lower installations such as drains, electrical wiring, plumbing, etc.



### Wedge for Technical Floors

Wedges for chocking technical floors. The protrusions on the Wedge help it stay attached to the support.

REF. ARTICLE

03040122N Accesorios PE. Wedge for Technical Floors 1000 units

PACKING			
Quantity	Dimensions (mm)	Weight (kg)	Barcode
10	395x295x450	14,07	8436585251551



### Slab Lifter

Allows removing the floor efficiently and without effort. It prevents damaging the parts.. Opening margin 400-600mm. Maximum 30kg.

REF. ARTICLE

03040150Z Accesorios PE. Slab Lifter 1 unit

PACKING			
Quantity	Dimensions (mm)	Weight (kg)	Barcode
10	582x400x385	16,95	8436585251636

# DoP BSP

DECLARATION OF PERFORMANCE

	BSP1	BSP2	BSP3	BSP4	BSP4+ 1 BUSHING	BSP4+ 2 BUSHINGS	BSP4+ 3 BUSHINGS	BSP4+ 4 BUSHINGS	BSP3+ PVC PIPE	BSP4+ PVC PIPE
<b>TECHNICAL CHARACTERISTICS</b>										
Minimum height [mm]	34	50	80	140	240	340	440	540	151	266
Maximum height [mm]	50	80	140	255	355	455	555	655	966 <sup>2</sup>	936,75 <sup>2</sup>
Upper Diameter [mm]	130									
Lower Diameter [mm]	140									
Weight [g]	128	150	194	287	377	467	557	647	254+pipe	347+pipe
Central load [kN] limit <sup>1</sup>	7,47	7,69	6,46	6,91	6,54	6,4	6,79	6,66	6,5	6,45
Central load [kN] limit <sup>1</sup> on 1/2	5,26	6,02	4,78	5,59	4,74	5,18	5,28	5,18	4,65	5,36
Operating temperature range	-40° to 65°C									
Distance between slabs <sup>2</sup> [mm]	4 - 3 - 2									
Screw pitch [mm]	6									
Outdoor use	Rot proof and resistant to marine environments, chlorides and domestic detergents									

### COMPOSITION

Head	Mineral filled polypropylene
Body	Mineral filled polypropylene

### ACCESSORIES COMPATIBILITY

Bushing 100 mm	•	•	•	•	•	•	•	•	/	/
Adapter Tube PVC75	•	•	•	•	/	/	/	/	/	/
Closing Vertical PA	•	•	•	•	•	•	•	•	•	•
Pad Fixed <sup>3</sup>	•	•	•	•	•	•	•	•	•	•
Tilting Head 0 - 3%	•	•	•	•	•	•	•	•	•	•
Pad Head Tilting 0% <sup>3</sup>	•	•	•	•	•	•	•	•	•	•
Pad Head Tilting 2% <sup>3</sup>	•	•	•	•	•	•	•	•	•	•
Joist Perimetral PA	•	•	•	•	•	•	•	•	•	•
Regulator Slope	•	•	•	•	•	•	•	•	•	•
Dilator Perimetral INOX	•	•	•	•	•	•	•	•	•	•
Anchor Joist Wood	•	•	•	•	•	•	•	•	•	•
Clip Joist	•	•	•	•	•	•	•	•	•	•

COMPATIBLE	•	Note 1:	Load Limit: AIJU; UNE-EN 12825:2002 Approval 5..3.1. Available upon request. 1Kn=102kg
NOT COMPATIBLE	/	Note 2:	Maximum height with tests accredited by AIJU laboratory. Available upon request.
		Note 3:	Fixed pad for use only without tilting head. Tilting head pad 0% and 2% only combined with tilting head.
		Note 4:	CE labelling: NOT APPLICABLE. ADJUSTABLE SUPPORTS FOR FLOATING FLOORING do not have any harmonised European technical requirement that is applicable to them.