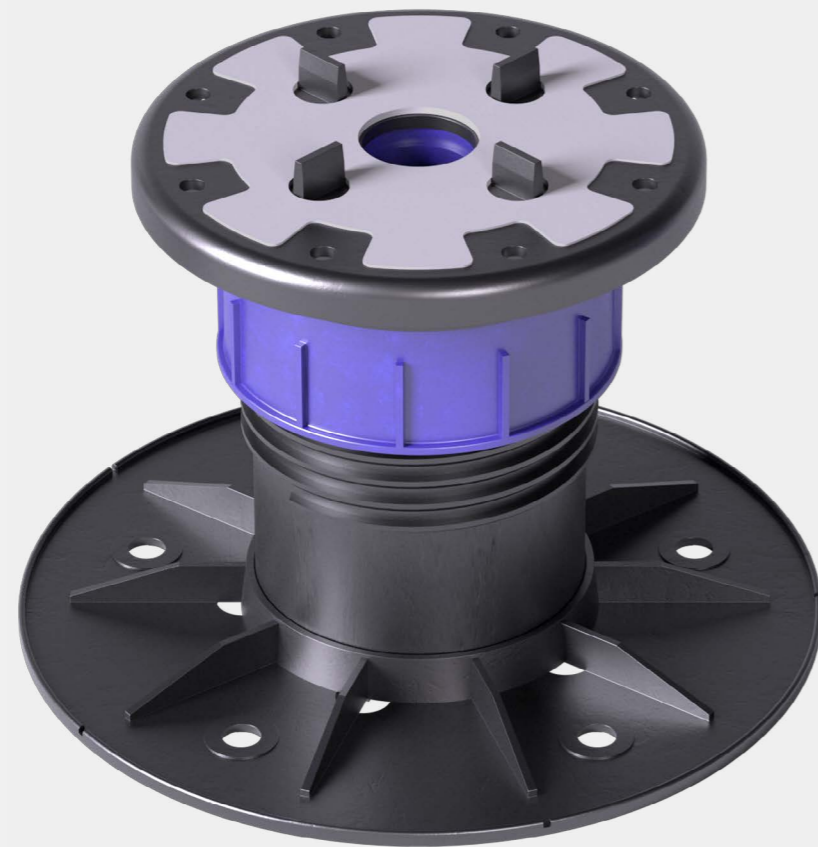


XSP™

**Raised floor
pedestals**

XSP™

Self-levelling base



For more convenient installation

Our XSP Plots feature a self-levelling base that allows them to adapt to the existing slope on the installation surface and offers a height range from 21 to 245 mm.

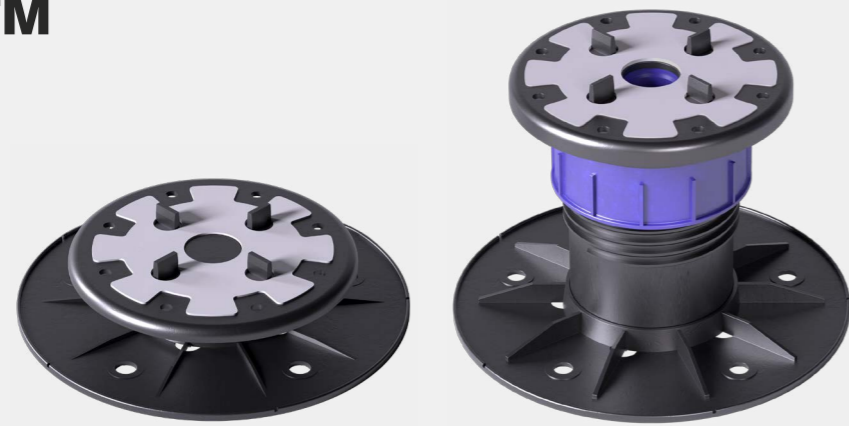
Its self-levelling base has an inclination of up to 5%, depending on the model. Additionally, the wide base diameter allows for optimal installation on insulation.

The XSP PRO models can be adjusted in height with their floating nut or with the XSP Key, which also allows them to be locked.

All models have an integrated pad, perfect for adding extra pavement grip and reducing impact and vibrations. They also include a height stop, which limits displacement, preventing the plot from disassembling when increasing its height.



XSP™



LITE

PRO



XSP0 lite
21 - 27 mm

XSP1 lite
27 - 33 mm

XSP2 lite
33 - 40 mm



XSP3 pro
40 - 57 mm

XSP4 pro
57 - 80 mm

XSP5 pro
80 - 120 mm

XSP6 pro
120 - 160 mm

XSP7 pro
160 - 200 mm

XSP8 pro
200 - 245 mm



XSP Lite

The XSP Lite models are the smallest, ideal for installations with slopes of up to 3% gradient and installations requiring supports with a maximum height of 40 mm.

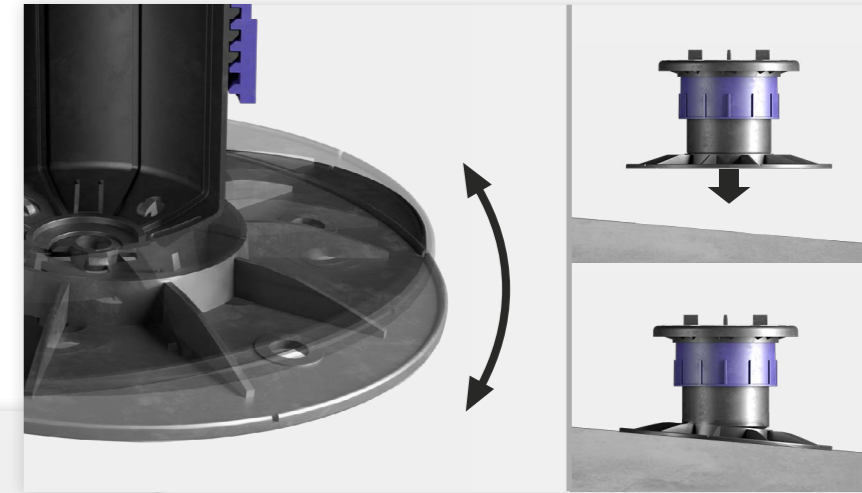
XSP Pro

The XSP Pro models offer 3% or 5% automatic levelling at their base (depending on the model) and feature a dual height adjustment system: with a locknut or the XSP Key. Additionally, the key allows the plot height to be locked to ensure the stability of the installation.

Self-levelling base

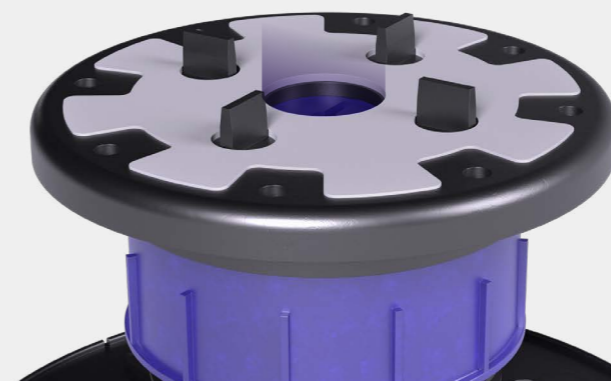
The XSP base allows one of the simplest and easiest installations in the market. The Peygran self-levelling base system offers a tilt of up to 3 or 5% depending on the model.

The pedestal base adapts to the slope and direction of the floor when placed on the surface.



Integrated pad

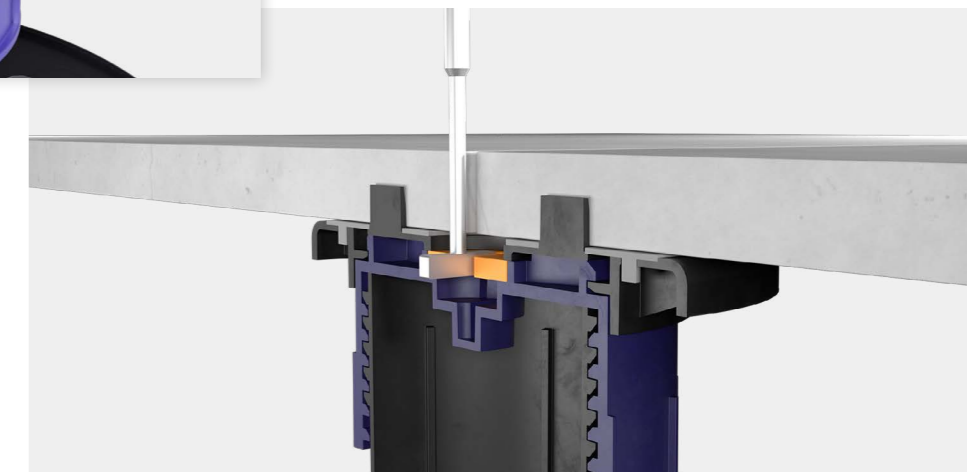
The pad has been integrated in the new XSP pedestal to offer an additional floor attachment. This pad reduces slab sliding and improves the reduction of shock and vibration noise. Made of elastomeric material.



Height lock

XSP PRO models include a Height Lock to prevent unwanted height movements of the pedestal due to vibrations over time.

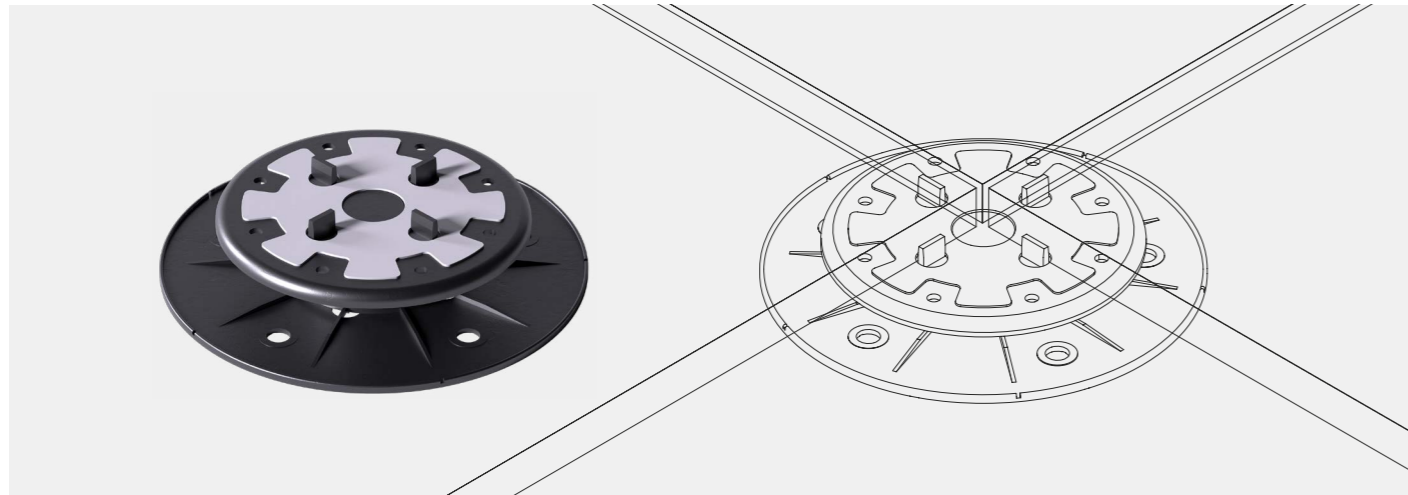
By inserting the Wrench to the first pocket where the Locking system is and turning it 90°, the pedestal is locked, ensuring not only a perfect but also a permanent installation.



PACKING

REF.	ARTICLE				
03080010A	XSP Pedestal 0 LITE - Box 21 - 27 mm, 3% 25 units	1	395×295×450	5,22	8436585252985
03080011A	XSP Pedestal 1 LITE - Box 27 - 33 mm, 3% 25 units	1	395×295×450	5,34	8436585252992
03080012A	XSP Pedestal 2 LITE - Box 33 - 40 mm, 3% 25 units	1	395×295×450	5,44	8436585253005
03080003A	XSP Pedestal 3 PRO - Box 40 - 57 mm, 3% 25 units	1	582×400×385	7,68	8436585252923
03080004A	XSP Pedestal 4 PRO - Box 57 - 80 mm, 5% 25 units	1	582×400×385	8,52	8436585252930
03080005A	XSP Pedestal 5 PRO - Box 80 - 120 mm, 5% 25 units	1	582×400×385	9,96	8436585252947
03080006A	XSP Pedestal 6 PRO - Box 120 - 160 mm, 5% 25 units	1	586×404×608	11,02	8436585252954
03080007A	XSP Pedestal 7 PRO - Box 160 - 200 mm, 5% 25 units	1	586×404×608	11,66	8436585252961
03080008A	XSP Pedestal 8 PRO - Box 200 - 245 mm, 5% 25 units	1	586×404×608	12,98	8436585252978

XSP lite



The XSP Lite models are the smallest, ideal for installations with slopes of up to 3% gradient and installations requiring supports with a maximum height of 40 mm.

Their main advantage is the self-levelling base, which allows them to adapt to the existing slope on the installation surface. Their height range covers 21 to 40 mm.



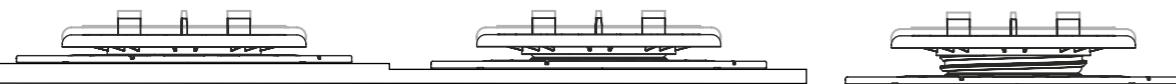
XSP0 lite
21 - 27 mm



XSP1 lite
27 - 33 mm



XSP2 lite
33 - 40 mm



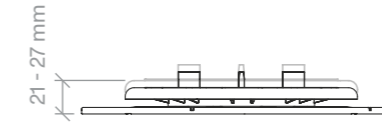
REF.	ARTICLE
03080010A	XSP Pedestal 0 LITE - Box 21 - 27 mm, 3% 25 units
03080011A	XSP Pedestal 1 LITE - Box 27 - 33 mm, 3% 25 units
03080012A	XSP Pedestal 2 LITE - Box 33 - 40 mm, 3% 25 units

PACKING				
Icon	Quantity	Dimensions	Weight	Barcode
	1	395x295x450	5,22	8436585252985
	1	395x295x450	5,34	8436585252992
	1	395x295x450	5,44	8436585253005

XSP0 lite

- 21 mm Minimum height
- 27 mm Maximum height
- ± 1mm Tolerance
- 155 ± 5 mm Upper diameter
- 220 mm Lower diameter

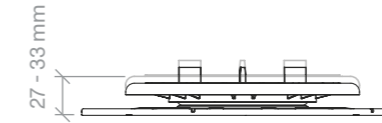
- 200 g Weight
- 13,8 kN Central load [kN] limit
- 8,2 kN Partial load [kN] about 1/4
- 40 to 65 C° Operation temperature
- 4 mm Clearance between slabs
- 0% to 3% Base tilt
- 7 mm Screw pitch



XSP1 lite

- 27 mm Minimum height
- 33 mm Maximum height
- ± 1mm Tolerance
- 155 ± 5 mm Upper diameter
- 220 mm Lower diameter

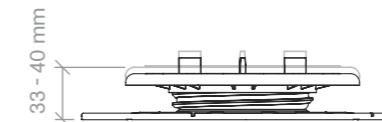
- 205 g Weight
- 9,2 kN Central load [kN] limit
- 4,5 kN Partial load [kN] about 1/4
- 40 to 65 C° Operation temperature
- 4 mm Clearance between slabs
- 0% to 3% Base tilt
- 7 mm Screw pitch



XSP2 lite

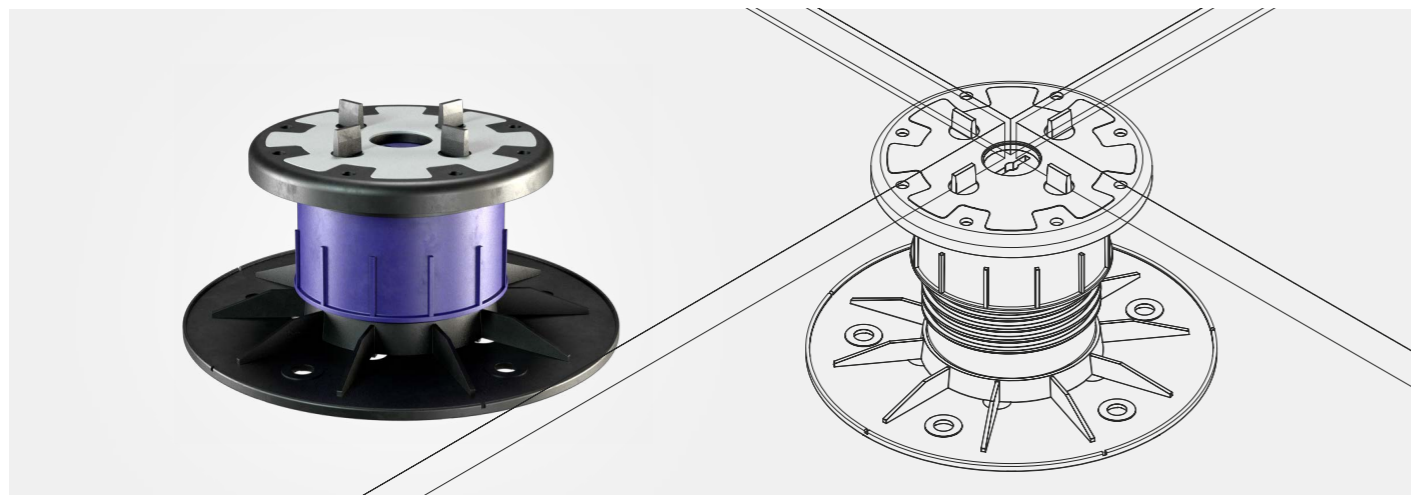
- 33 mm Minimum height
- 40 mm Maximum height
- ± 1mm Tolerance
- 155 ± 5 mm Upper diameter
- 220 mm Lower diameter

- 215 g Weight
- 6,1 kN Central load [kN] limit
- 4,8 kN Partial load [kN] about 1/4
- 40 to 65 C° Operation temperature
- 4 mm Clearance between slabs
- 0% to 3% Base tilt
- 7 mm Screw pitch



Load Limit: Values according to tests C182520 a C182529 by Instituto de Tecnología Cerámica (AICE-ITC) UNE-EN 12825:2002 Apto 5..31.

XSP pro



The XSP Pro models feature a levelling key that allows height adjustment after installation and the permanent locking of the plots' height.

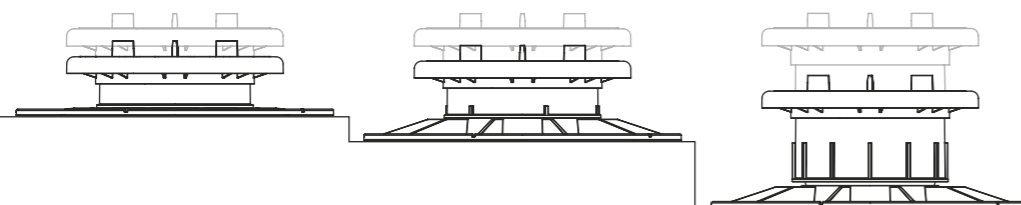
Their main advantage is the self-levelling base, which allows them to adapt to the existing slope on the installation surface. Their height range covers 40 to 245 mm.



XSP3 pro
40 - 57 mm

XSP4 pro
57 - 80 mm

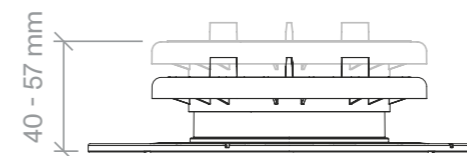
XSP5 pro
80 - 120 mm



REF.	ARTICLE	PACKING			
03080003A	XSP Pedestal 3 PRO - Box 40 - 57 mm, 3% 25 units	1	582×400×385	7,68	8436585252923
03080004A	XSP Pedestal 4 PRO - Box 57 - 80 mm, 5% 25 units	1	582×400×385	8,52	8436585252930
03080005A	XSP Pedestal 5 PRO - Box 80 - 120 mm, 5% 25 units	1	582×400×385	9,96	8436585252947

Load Limit: Values according to tests C182520 a C182529 by Instituto de Tecnología Cerámica (AICE-ITC) UNE-EN 12825:2002 Apto 5..31.

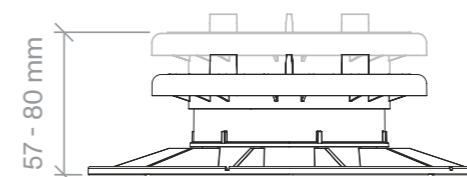
XSP3 pro



- 40 mm Minimum height
- 57 mm Maximum height
- ± 1mm Tolerance
- 155 ± 5 mm Upper diameter
- 220 mm Lower diameter

- 300 g Weight
- 5 kN Central load [kN] limit
- 2,7 kN Partial load [kN] about 1/4
- 40 to 65 C° Operation temperature
- 4 mm Clearance between slabs
- 0% to 3% Base tilt
- 7 mm Screw pitch

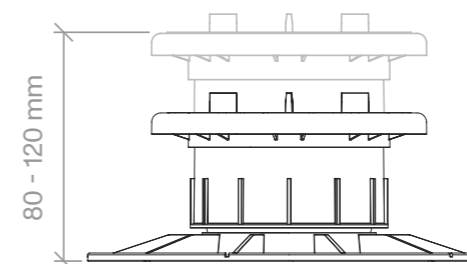
XSP4 pro



- 57 mm Minimum height
- 80 mm Maximum height
- ± 1mm Tolerance
- 155 ± 5 mm Upper diameter
- 220 mm Lower diameter

- 320 g Weight
- 7,1 kN Central load [kN] limit
- 4,0 kN Partial load [kN] about 1/4
- 40 to 65 C° Operation temperature
- 4 mm Clearance between slabs
- 0% to 5% Base tilt
- 7 mm Screw pitch

XSP5 pro



- 80 mm Minimum height
- 120 mm Maximum height
- ± 1mm Tolerance
- 155 ± 5 mm Upper diameter
- 220 mm Lower diameter

- 380 g Weight
- 7,7 kN Central load [kN] limit
- 5,5 kN Partial load [kN] about 1/4
- 40 to 65 C° Operation temperature
- 4 mm Clearance between slabs
- 0% to 5% Base tilt
- 7 mm Screw pitch

XSP pro



The XSP Pro models feature a levelling key that allows height adjustment after installation and the permanent locking of the plots' height.

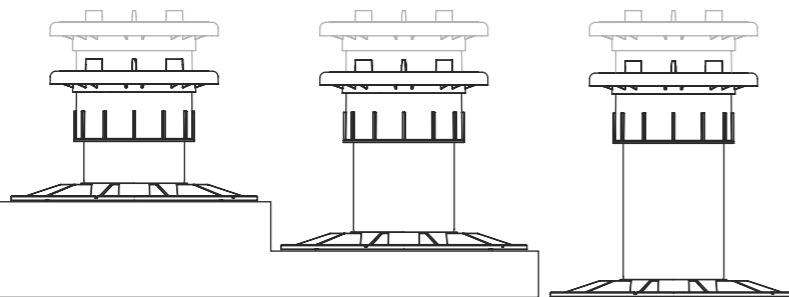
Their main advantage is the self-levelling base, which allows them to adapt to the existing slope on the installation surface. Their height range covers 40 to 245 mm.



XSP6 pro
120 - 160 mm

XSP7 pro
160 - 200 mm

XSP8 pro
200 - 245 mm

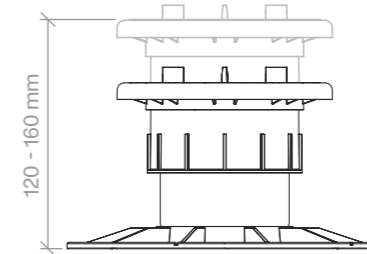


PACKING

REF.	ARTICLE				
03080006A	XSP Pedestal 6 PRO - Box 120 - 160 mm, 5% 25 units	1	586*404*608	11,02	8436585252954
03080007A	XSP Pedestal 7 PRO - Box 160 - 200 mm, 5% 25 units	1	586*404*608	11,66	8436585252961
03080008A	XSP Pedestal 8 PRO - Box 200 - 245 mm, 5% 25 units	1	586*404*608	12,98	8436585252978

Load Limit: Values according to tests C182520 a C182529 by Instituto de Tecnología Cerámica (AICE-ITC) UNE-EN 12825:2002 Apto 5..31.

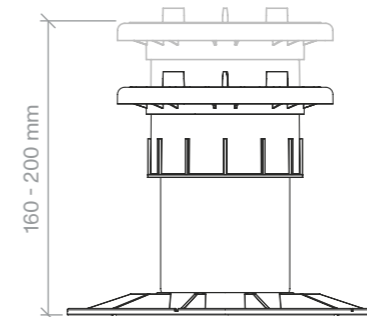
XSP6 pro



- 120 mm Minimum height
- 160 mm Maximum height
- ± 1mm Tolerance
- 155 ± 5 mm Upper diameter
- 220 mm Lower diameter

- 400 g Weight
- 8,5 kN Central load [kN] limit
- 5,7 kN Partial load [kN] about 1/4
- 40 to 65 C° Operation temperature
- 4 mm Clearance between slabs
- 0% to 5% Base tilt
- 7 mm Screw pitch

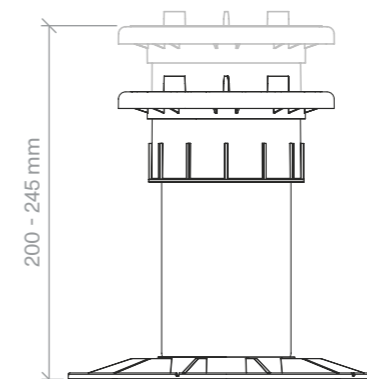
XSP7 pro



- 160 mm Minimum height
- 200 mm Maximum height
- ± 1mm Tolerance
- 155 ± 5 mm Upper diameter
- 220 mm Lower diameter

- 425 g Weight
- 8,0 kN Central load [kN] limit
- 5,5 kN Partial load [kN] about 1/4
- 40 to 65 C° Operation temperature
- 4 mm Clearance between slabs
- 0% to 5% Base tilt
- 7 mm Screw pitch

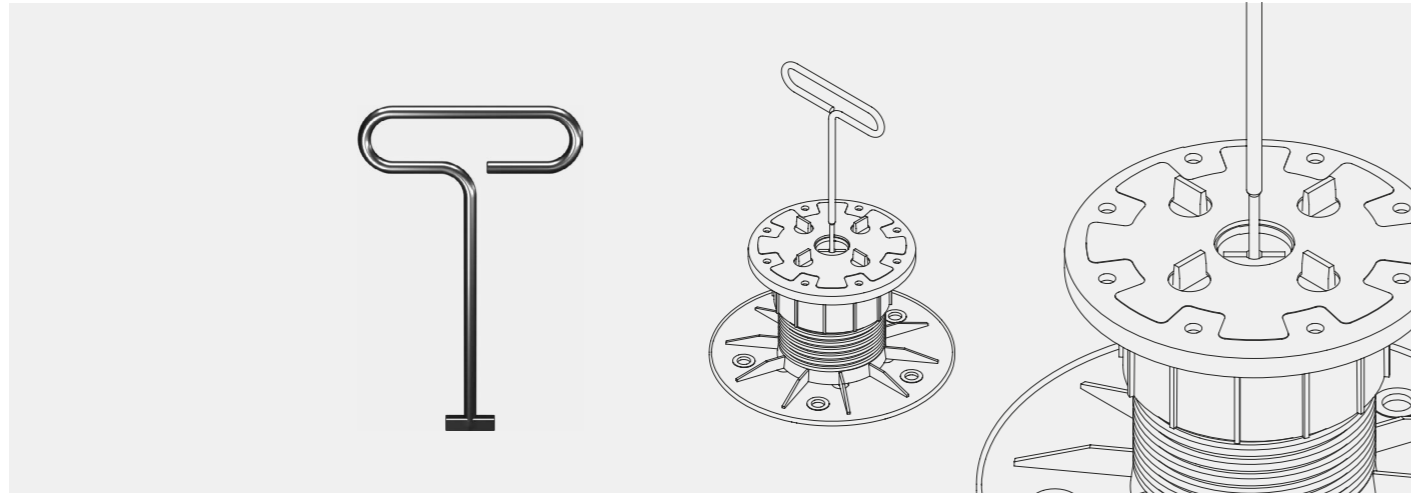
XSP8 pro



- 200 mm Minimum height
- 245 mm Maximum height
- ± 1mm Tolerance
- 155 ± 5 mm Upper diameter
- 220 mm Lower diameter

- 450 g Weight
- 8,2 kN Central load [kN] limit
- 5,4 kN Partial load [kN] about 1/4
- 40 to 65 C° Operation temperature
- 4 mm Clearance between slabs
- 0% to 5% Base tilt
- 7 mm Screw pitch

XSP Adjusting Key

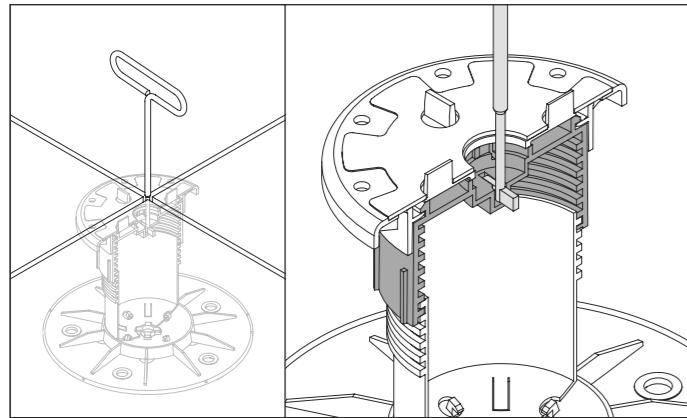


Additional tool for the XSP Pro. This key can be used to adjust the height of this pedestal model, even when the installation has been completed and with the slabs in place. Also used to lock the height of the XSP Pro.

*It is recommended not to step on the slabs placed over the pedestal being adjusted. This action is more effective if one of the slabs is removed.

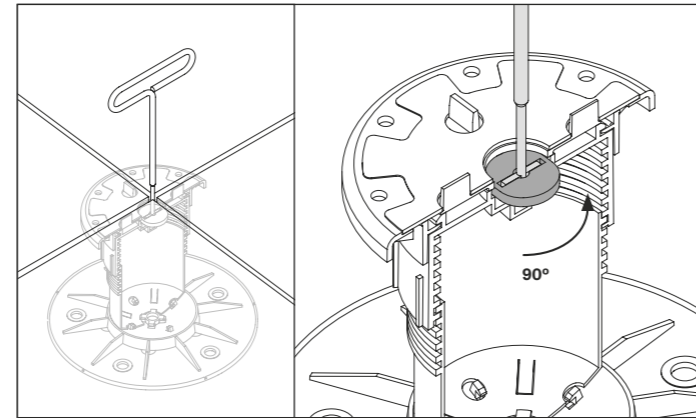
HEIGHT ADJUSTMENT

Only for XSP PRO models



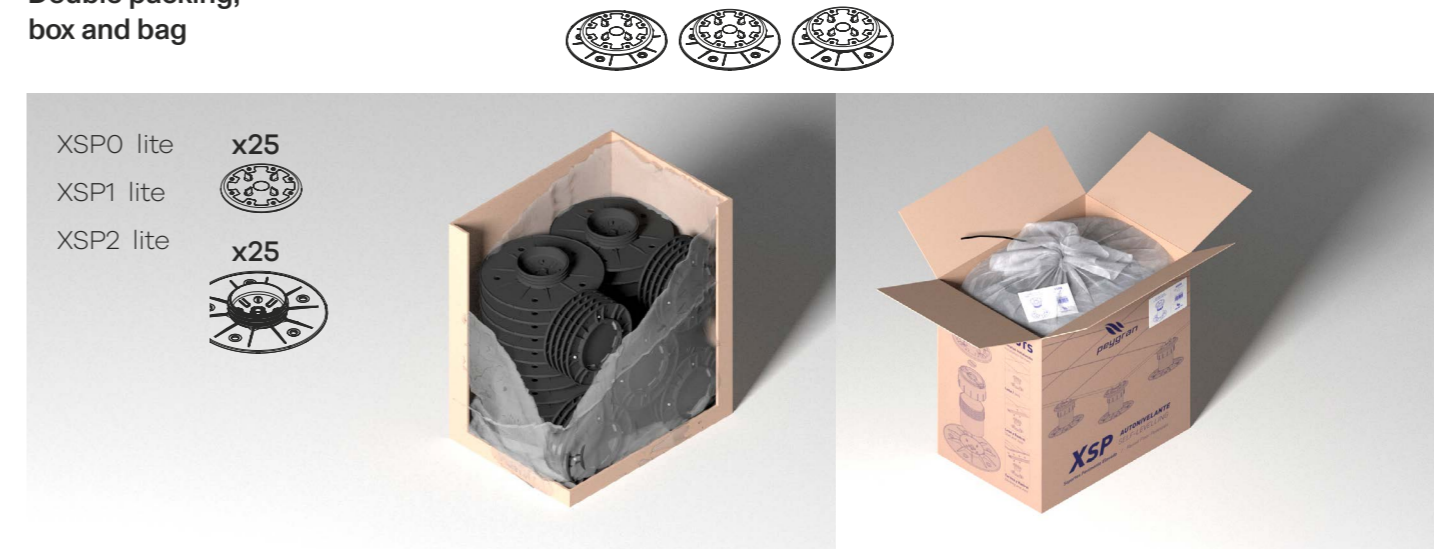
HEIGHT LOCK

Only for XSP PRO models

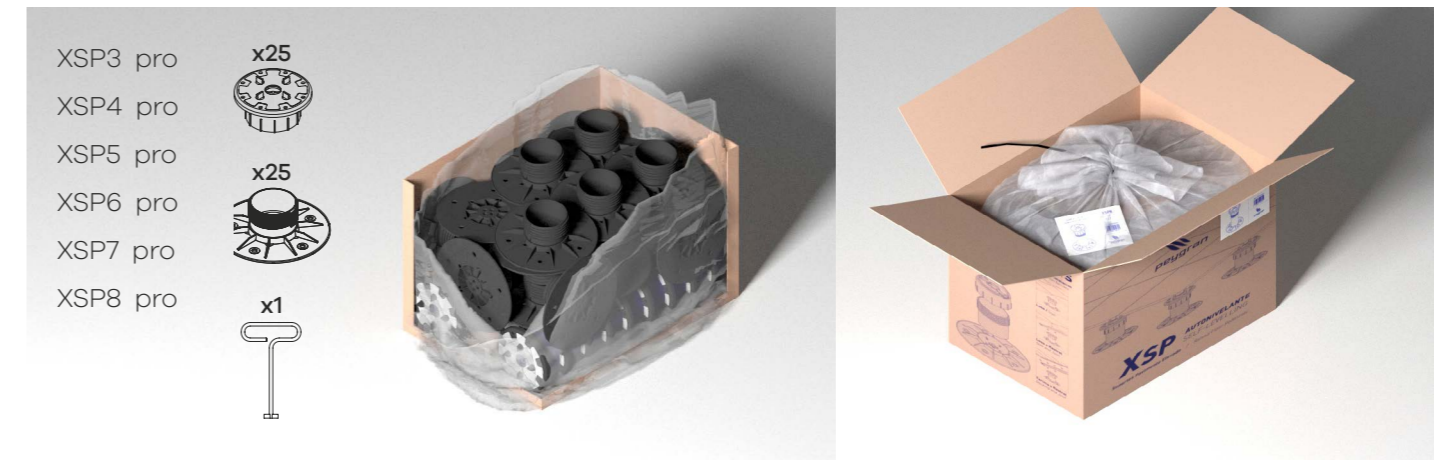
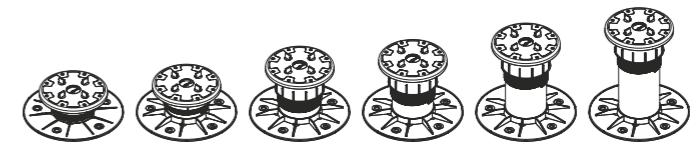


Duo pack

Double packing, box and bag



- XSP0 lite x25
- XSP1 lite
- XSP2 lite x25



- XSP3 pro x25
- XSP4 pro
- XSP5 pro x25
- XSP6 pro
- XSP7 pro
- XSP8 pro x1

REF.	ARTICLE
03081001Z	XSP Adjusting Key



PACKING

8436585252718

PACKING

REF.	ARTICLE	Box	Weight (Kg)	Barcode
03080010A	XSP Pedestal 0 LITE - Box 21 - 27 mm, 3% 25 units	1 395x295x450	5,22	8436585252985
03080011A	XSP Pedestal 1 LITE - Box 27 - 33 mm, 3% 25 units	1 395x295x450	5,34	8436585252992
03080012A	XSP Pedestal 2 LITE - Box 33 - 40 mm, 3% 25 units	1 395x295x450	5,44	8436585253005
03080003A	XSP Pedestal 3 PRO - Box 40 - 57 mm, 3% 25 units	1 582x400x385	7,68	8436585252923
03080004A	XSP Pedestal 4 PRO - Box 57 - 80 mm, 5% 25 units	1 582x400x385	8,52	8436585252930
03080005A	XSP Pedestal 5 PRO - Box 80 - 120 mm, 5% 25 units	1 582x400x385	9,96	8436585252947
03080006A	XSP Pedestal 6 PRO - Box 120 - 160 mm, 5% 25 units	1 586x404x608	11,02	8436585252954
03080007A	XSP Pedestal 7 PRO - Box 160 - 200 mm, 5% 25 units	1 586x404x608	11,66	8436585252961
03080008A	XSP Pedestal 8 PRO - Box 200 - 245 mm, 5% 25 units	1 586x404x608	12,98	8436585252978

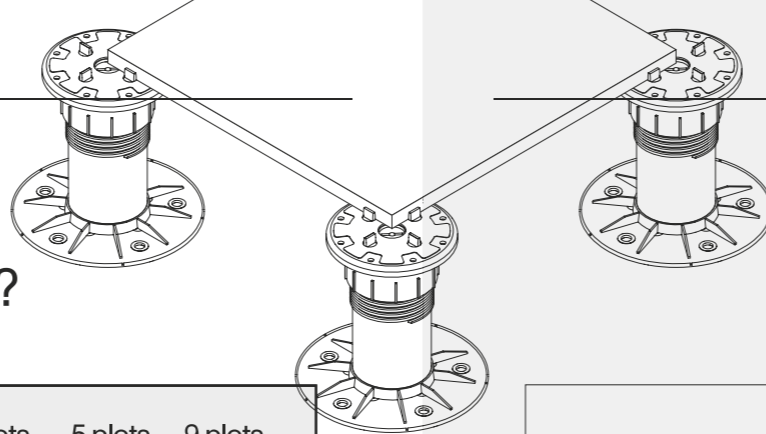
How many pedestals do you need?

Tile format	4 plots	5 plots	9 plots
450 x 450	4,4	NO	NO
500 x 500	3,3	6,1	NO
600 x 600	NO	4,0	7,7
750 x 750	NO	NO	6,6
900 x 900	NO	NO	5,2*
1.000 x 1.000	NO	NO	4,4*
1.200 x 1.200	NO	NO	3,2*

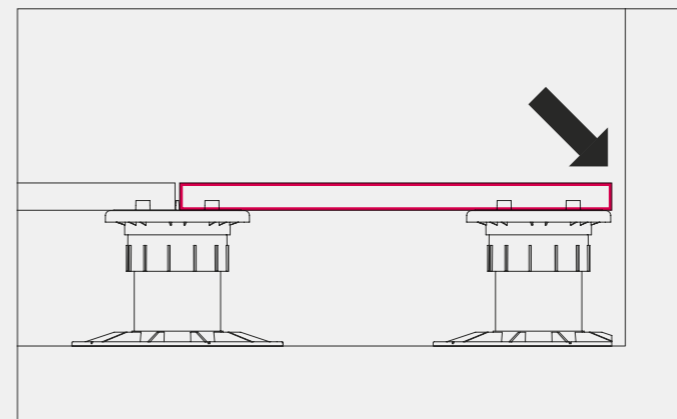
Tile format	4 plots	5 plots	9 plots
400 x 600	4,7	NO	NO
300 x 1.200	NO	6,1	NO
400 x 1.200	NO	4,7	NO
600 x 1.200	NO	3,3	6,1
500 x 1.000	NO	4,4	8,4

- Approximate quantity by the manufacturer.
 - Repercussion for terrace of 10x10m (100m²)
 with max. separation between pedestals of 600mm.

* Recommended installation with joist.

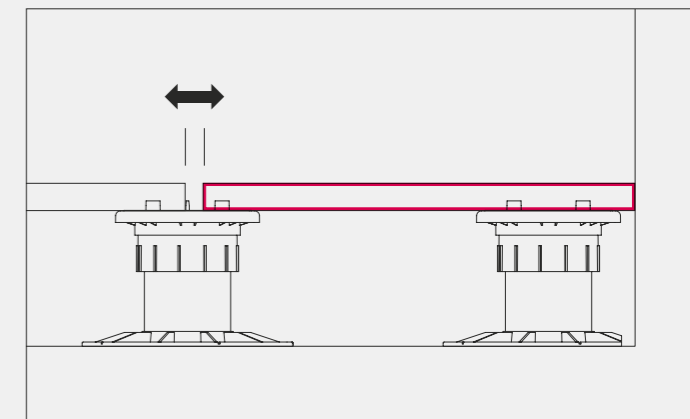


Installation



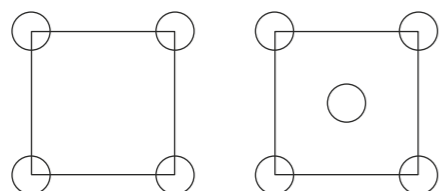
OPEN EDGES WITHOUT DILATORS

The perimeter of the tiles must be perfectly confined to avoid horizontal sliding. Perimeter dilators or elastic joints must be used to prevent such movement, always avoiding leaving open joints.

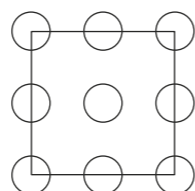


Recommended installation for 20 mm thick ceramic tiles:

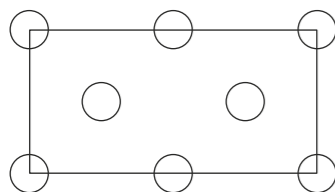
Smaller than 60x60 private use 4 pedestals, public use 5 pedestals (central pedestal).



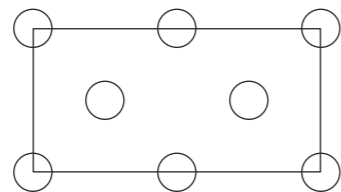
Larger than 60x60 9 pedestals in all cases.



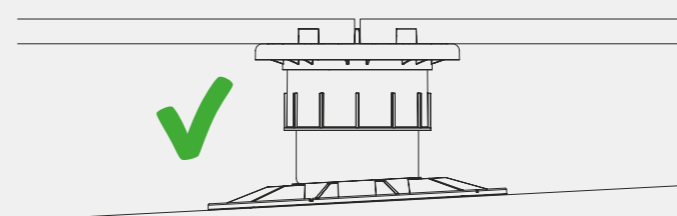
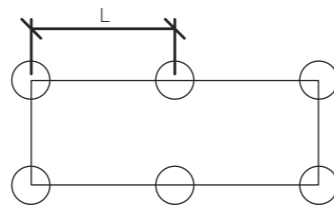
120x60 cm: private use, 60x60 module public use 60x60 module with central pedestals.



Smaller than 60x60 private use 4 pedestals, public use 5 pedestals (central pedestal).

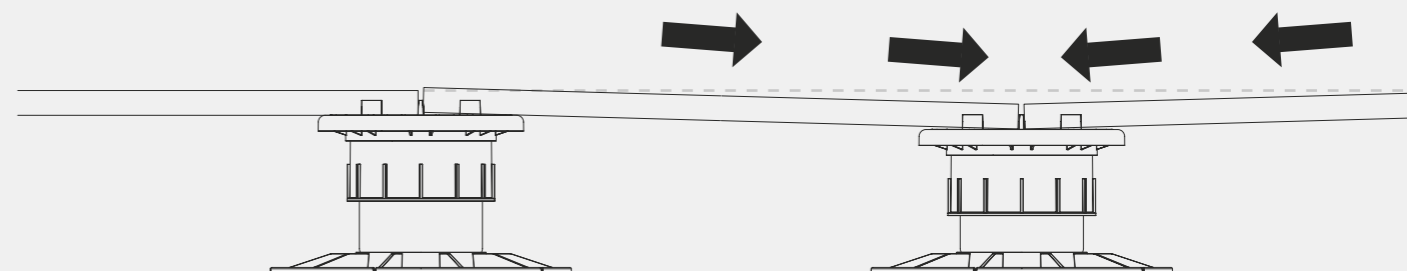
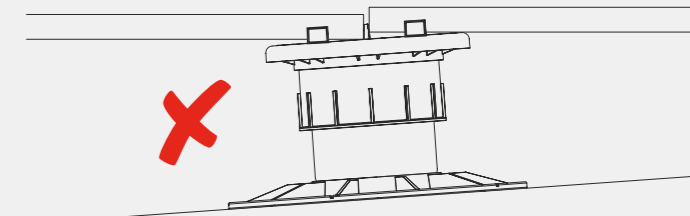


In any case when L < 60cm L.



SLOPE CORRECTION AT BASE OR HEAD

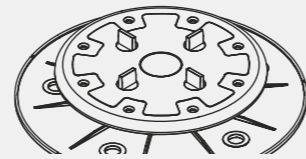
Prevents small steps from appearing on the pavement surface by correcting the slope at the plot's base or head.



PLOT HEIGHT LOCK

Prevents undesired movement of the plot due to vibrations over time. Reduces the maintenance needed for the installation.

How to use - XSP lite™



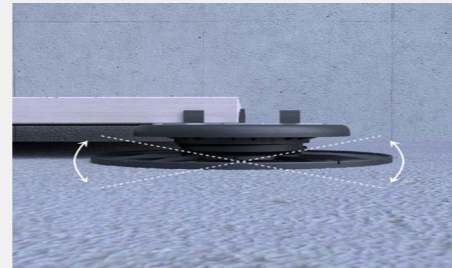
1° Cut the bases for the edges and the corners

Cut the base to adjust the pedestal position as close as possible to the edge using the base cutting guides.



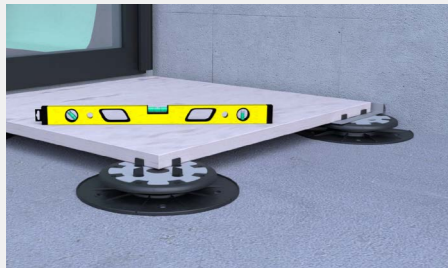
2° Remove the edge and corner spacers

Remove the four spacers in the pedestals located in corners and two parallel spacers in the pedestals located at the edges.



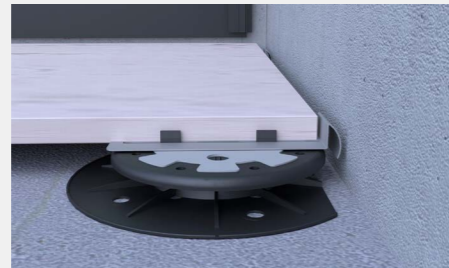
3° Self-levelling base

The bases allow correcting up to a 3% of the tilt.



4° Slab levelling

Rotate the base clockwise to lift the slab and anticlockwise to lower it, until levelled.



5° Create the edge trim seal

Use the perimetral dilators (accessory) to create edge trim seals and allow the expansion of the slabbed surface without transferring any tension to the perimetral parameters.



6° Removable floor

Finally, we get a fully removable surface that allows access to lower facilities such as sumps, electrical wiring, pipes, etc.

MODE OF USE

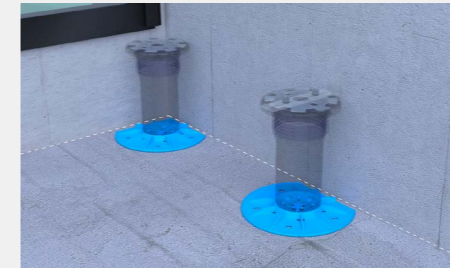
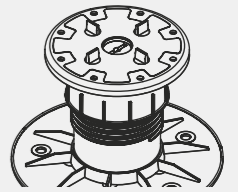


The design and installation of an outdoor raised floor must be carried out in accordance with the provisions set for in the European Standard UNE EN 12825:2002, as they serve the basis for the functionality of Peygran's Raise Floor Pedestals. It is recommended to use only rigid slabs with specific features for a raised floor and to keep the clearance between supports recommended by the slab manufacturer according to each respective use. The design of raised floors must be carried out in a way that guarantees a limitation of the horizontal movement of the floor. Use perimeter dilators when joining to panels or walls in order to prevent potential horizontal sliding. If there are open sides, ensure the pedestal assembly is properly attached to the floor where possible, or by adding stiffening elements such as metallic profiles or masonry linear supports. Immobilising the floor perimeter

must be ensured, otherwise the assembly could become unstable and collapse. In areas with a seismic hazard of 4, the raised floor height must not exceed 250 mm.

For inverted decking, an XSP series with a larger support surface is recommended. Conversely, it is not advisable to support the pedestals directly on the thermal insulation when the decking is intended for a heavy duty. In such cases, it is advisable to use a structural concrete topping over the insulation. For any other scenario, the recommendation is to use a CS(10)500 insulation type (500 KPa of minimum resistance to compression according to EN 826) and a DLT(2)2 insulation type (2% maximum deformation under load and temperature according to EN 1605).

How to use - XSP pro™



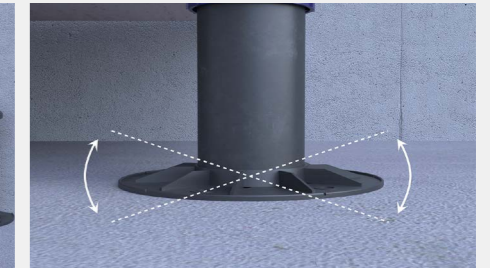
1° Cut the bases for the edges and the corners

Cut the base to adjust the pedestal position as close as possible to the edge using the base cutting guides.



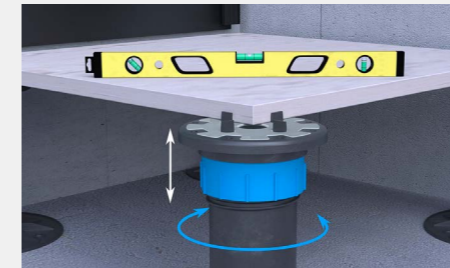
2° Remove the edge and corner spacers

Remove the four spacers in the pedestals located in corners and two parallel spacers in the pedestals located at the edges.



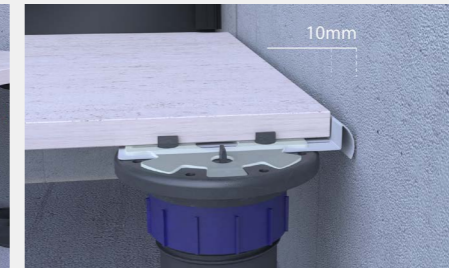
3° Self-levelling base

The bases allow correcting up to a 3 or 5% of the tilt depending on the model.



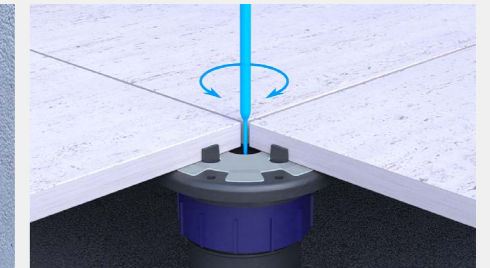
4° Slab levelling

Rotate the blue nut clockwise to lower the slab and anticlockwise to lift it, until levelled.



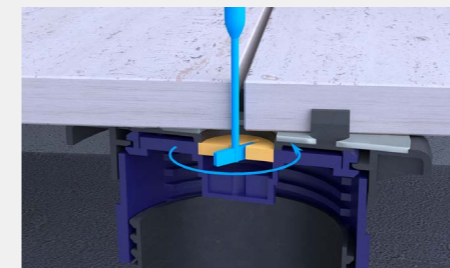
5° Create the edge trim seal

Use the perimetral dilators (accessory) to create edge trim seals and allow the expansion of the slabbed surface without transferring any tension to the perimetral parameters.



6° Adjust height with mounted floor

Once the installation is completed, it is possible to adjust the pedestal height with the key to readjust that the floor is flush. *It is recommended not to step on the slabs placed over the pedestal being adjusted.



7° Pedestal locking

Raise the key to the intermediate position, rotate a quarter of a turn to lock the pedestal height and reduce maintenance adjustments.



8° Removable floor

Finally, we get a fully removable surface that allows access to lower facilities such as sumps, electrical wiring, pipes, etc.