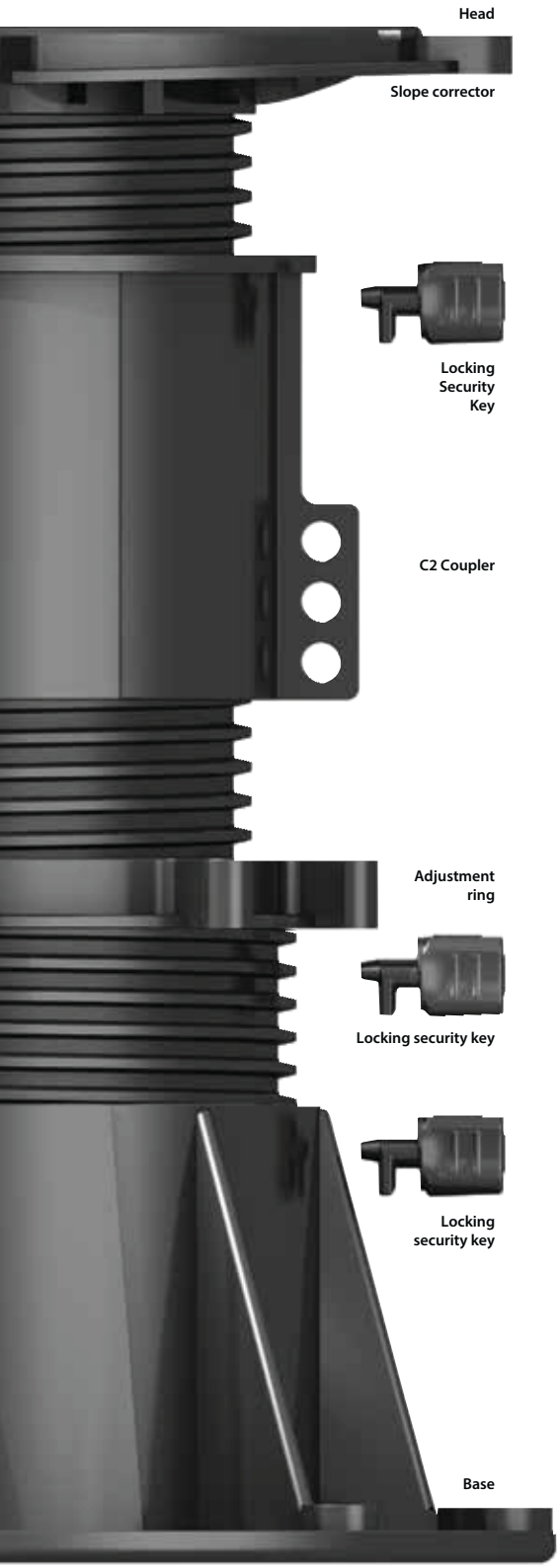
Very clever…



High quality adjustable pedestals for all commercial, industrial and domestic applications

Founded in 1987, Buzon Pedestal International is the first and largest European manufacturer of polypropylene screwjack pedestals, for elevated decks and rooftop decking.

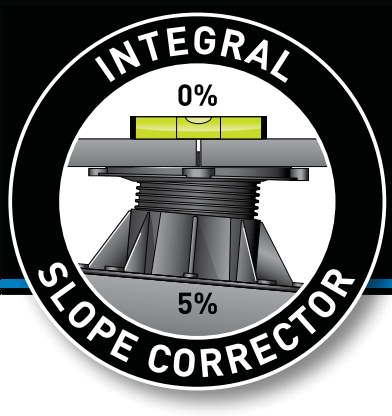
DPH® screwjack pedestals are continuously adjustable from **17 to 1070mm**. Manufactured from 80% recycled polypropylene copolymeres (PPC) and 20% talc for increased strength, making them 100% recyclable.

They can be adjusted to compensate slopes up to 5%, or for uneven surfaces. Once the pedestals are at the required height, their position is fixed with patented locking keys. (Available for DPH-5 to DPH-13)

DPH® pedestals and their accessories are suitable for many applications such as : Roof decks, green roofs, balconies, terraces, podiums, temporary floors and industrial floors.

Buzon aims to provide the project designer not only a product that meets and exceeds the required specification, but also on-site technical support to ensure that the installation proceeds as specified, respecting deadlines and budget.

Height range	**Fully adjustable system from 17 to 1070mm.**
High load bearing	**Each pedestal can support loads from 650 up to 1000kg**
Easy access	**Services and waterproof membranes are easily accessible for future maintenance.**
Slope Corrector	**The patented slope corrector can create or compensate for slopes up to 5% (in increments of 0.5%).**
Water drainage	**The system allows quick and easy water drainage.**
Sustainable	**DPH® pedestals and accessories are made from 80% recycled PPC, charged with 20% talc and black pigment Masterbatch, and are 100% recyclable.**
Versatile	**The pedestals can be used at ground or roof level, for all types of pavers, timber decking, various platform options and industrial floor gratings.**
Configurable	**DPH pedestals are configurable by combining screw-together components which can then be locked in position by means of patented security locking keys.**



The ‘PH5’ slope corrector, integrated in the head of the pedestal, is easy to use for every application.

For proper rainwater drainage, the slope in the substrate must be greater than +2%.

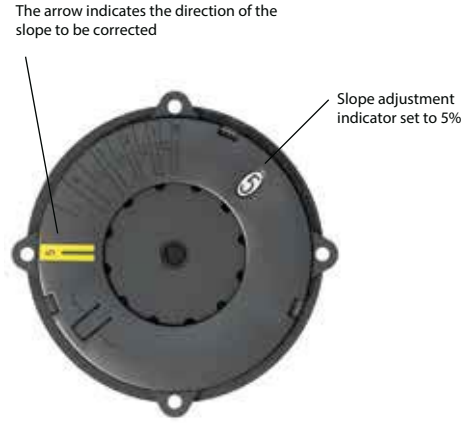
The 0 to 5% slope corrector, integrated in the head of DPH® pedestals, is used to achieve a perfectly horizontal surface (0% level) when dealing with slopes from 0 to 5% (sloping 0 to 5 cm/m).

To achieve the required slope correction, just twist the top section so that the number in the oval window corresponds to the value of the slope to be corrected (the example, right, shows a 5% slope).

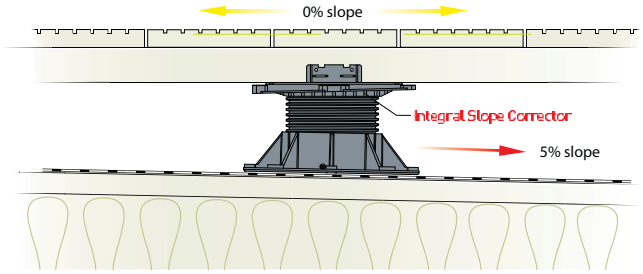
The arrows on the side section show the direction of the slope to be corrected. In the example, the arrow with the number 5 should point in the direction of the slope.

The ‘PH5’ slope corrector can be added to the head of DPH-0, DPH-1, DPH-02, DPH-2 and DPH-3 pedestals; and is intergrated onto the head of the DPH-4 to DPH-13.

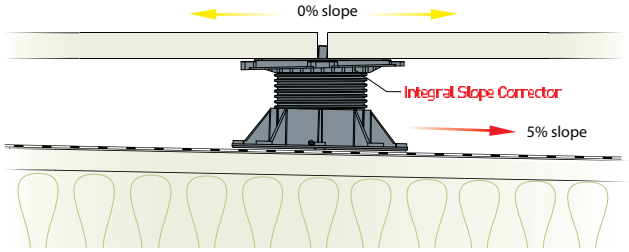
The slope correction system is fast, accurate and easy to use, ensuring a level surface (0%) in all directions.



Timber decking (planks or tiles)



Stone, ceramic or concrete pavers



The slope corrector, invented by Claude Buzon in 1997, won the silver medal in the Batimat Exhibition, Paris.

Multi-application solutions

The images below show some of the applications in which the DPH® system can be used. Other case studies are presented on pages 8-10.

At roof level, DPH® pedestals are used to support stone tiles and protect the ventilation, water supply and other services.

DPH-5® pedestals used to support joists for timber decking.

DPH-5® pedestals used with a tiled timber deck.

Fibreglass grating system: the DPH® system is ideal both for commercial and industrial grating where hygiene and access are crucial.

The DPH® System

DPH® Buzon pedestals are made from 80% recycled polypropylene or polycarbonate and they are 100% recyclable. They have been tested to meet safety standards for compression, and for vertical and lateral traction.

Joist support with fixing clips
The joist support is fixed to the head of the pedestal.

Shims
Made of 1 or 2mm thick reinforced EPDM (Shore 60) for use with marble, stone, granite, ceramic etc., tiles to give:

- Better anti-slip and acoustic performance
- Shock absorption
- Compensation for irregularities in the thickness of paving materials.

Patented slope corrector
Consists of two cylindrical elements.
Can compensate for slopes from 0 to 5%. Can create an access slope up to 5% (in increments of 0.5%).

Head of pedestal
Support surface: 188cm^2. The head of the pedestal is screwed directly into the base of the pedestal or into a coupler.
The head, with a diameter of 155mm, can be fitted with various accessories for decks or tiles.

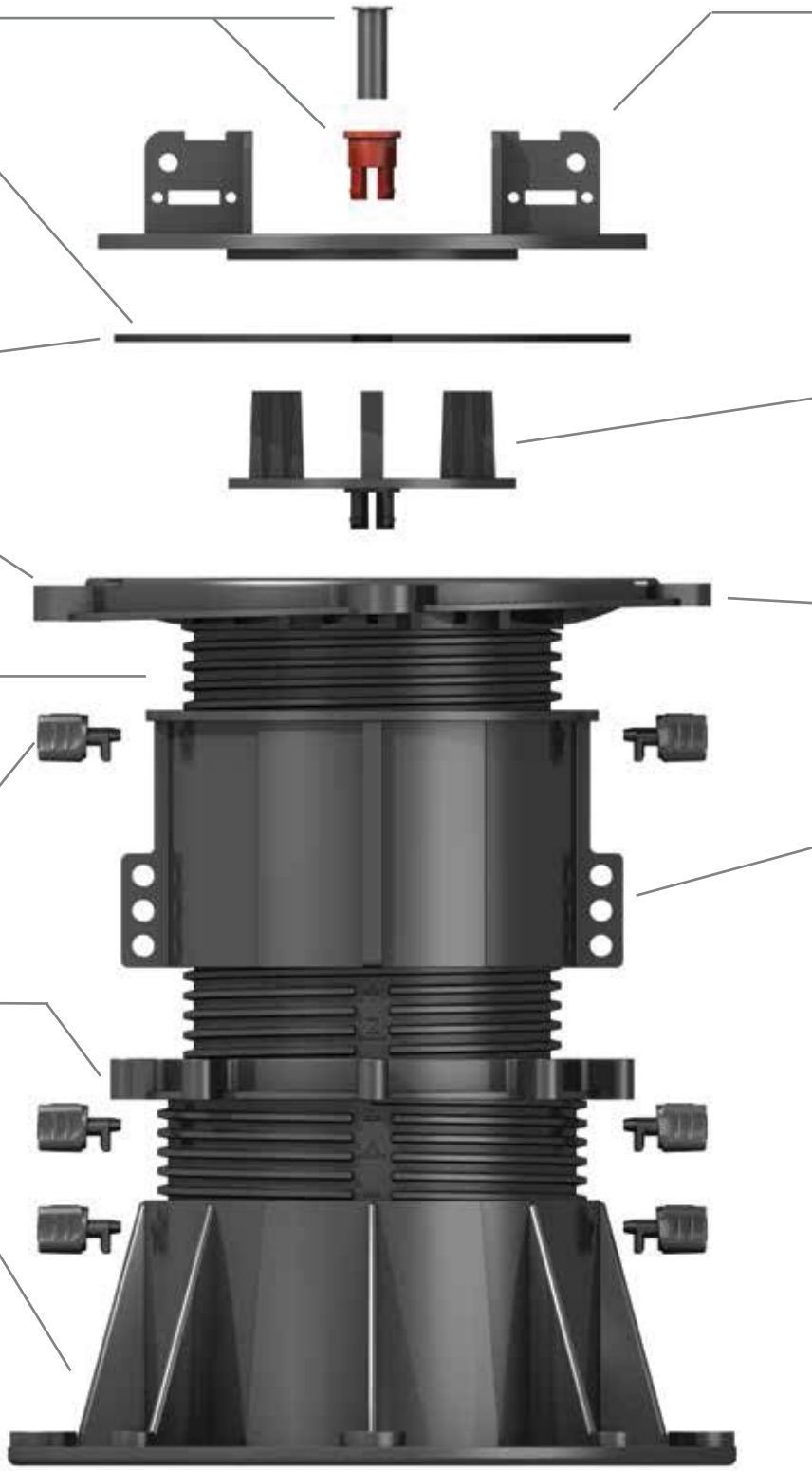
Locking key
Locks the pedestal to the height required to ensure no further rotational movement caused by traffic vibrations.

Adjustment ring
Inverted adjustment ring allowing an adjustment of 35mm up or down.
Inner diameter = 103mm
Outer diameter = 107mm

Base
Diameter: 200mm. Support surface: 314cm^2.
The base can be free-standing or fixed to the support surface. It has 8 screw/bolt fixing holes.

Security device
The last thread of the head, coupler, adjustment ring and base have a safety device which prevents further extension.

Heights of DPH® pedestals
The full range of heights is on page 11.



Joist support

Supports any type of substructure:

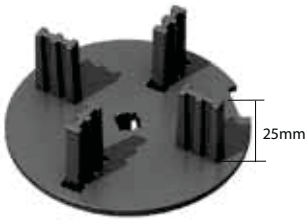
- Timber battens
- Composite battens
- Aluminum or steel battens

Support width: maximum 65mm. Fixing holes on both sides of the pedestal for mechanical fixing with stainless steel screws. A positioning pin fixes the support to the head of the pedestal and locked in place by a locking plug.

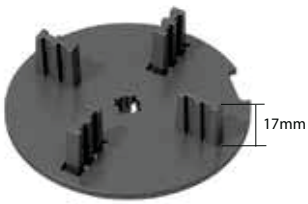
The joist support can rotate freely through 360°.

Spacer tabs

Spacer tabs of different thicknesses can be clipped onto the head of the pedestal to create the desired joint spacing between tiles (for water drainage and ventilation). Height of tabs: 25 or 17mm



Available with tab widths of 2, 4.5, 6, 8 and 10mm



Available with tab widths of 3 and 4.5mm

Slope corrector (0 to 5%)

On pedestals DPH-4 to DPH-13, the slope corrector is pre-integrated into the pedestal head (see page 3).
On pedestals DPH-0 to DPH-3, the PH5 slope corrector can be added to the head of the pedestal.

Couplers (C2 and C5)

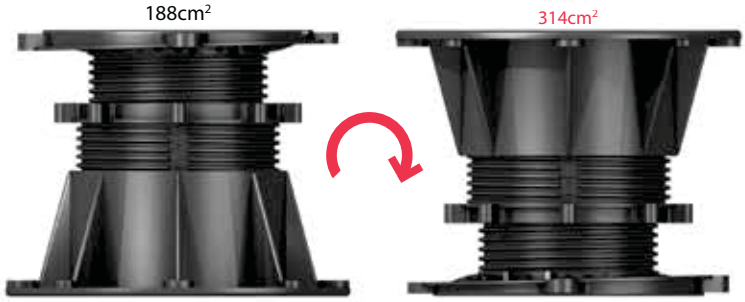
The coupler is used when the required height of the pedestals exceeds 175mm (DPH-5 and above). They are used for pedestals DPH-6 to DPH-13.

Two holes on each side allow mechanical fixing by means of two locking keys. This provides greater stability when heights exceed 285mm.

Security pin to avoid further extension

Inversion from the DPH-5 to DPH-13

If the application requires a head support surface greater than 188cm², or if it is necessary to maximize the support surface of the head close to a wall, pedestals can be simply inverted to give a support surface of 314cm².
Spacer tabs can be positioned on the head of the pedestal in the same way (only for DPH-5 to DPH-13).



DPH® Design Details

Buzon pedestals can be used at ground level, rooftops, flat or sloped concrete roofs, and multi-layer or single-ply application. The pedestals allow up to a 5% slope correction and are configurable with a wide range of accessories, while providing excellent drainage.

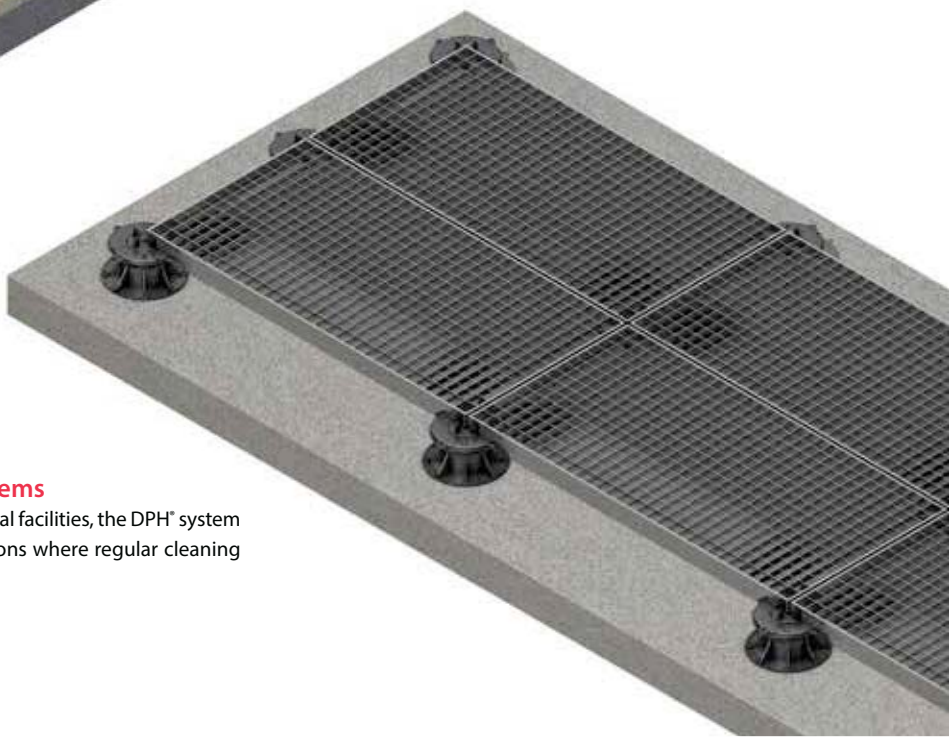
Stone, ceramic, concrete pavers

The DPH® system is suited to most square or rectangular, ceramic, stone or concrete pavers, carrying loads of 650 to 1000kg per pedestal.

Shims, in EPDM, can be used both to improve acoustic performance and to create an even surface where unequal materials are used.

Timber decking systems

By using the joist support to position timber or composite planks, decking can be supported simply and securely.



Galvanized or polyester grating systems

For industrial, food storage and other commercial facilities, the DPH® system can be used for exterior and interior applications where regular cleaning and fast, effective drainage are required.

Very clever...

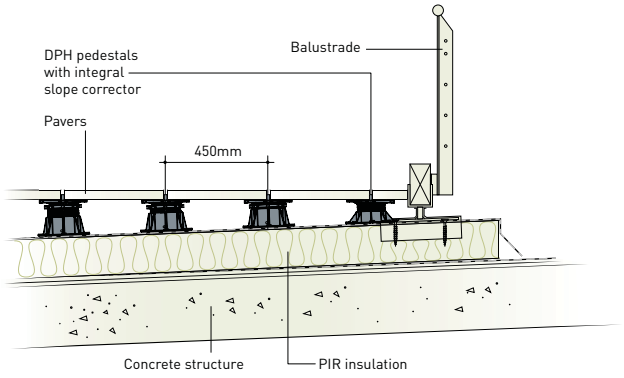
Typical details

The details below illustrate some possible construction options using Buzon DPH pedestals.

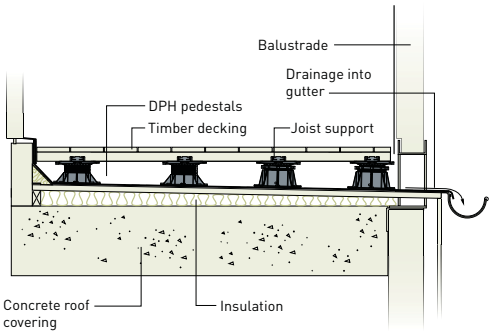
Countless permutations – including different types of soil, surface finish, details of borders, etc, - are available.

Please contact your local Buzon department/agent for further advice on design details.

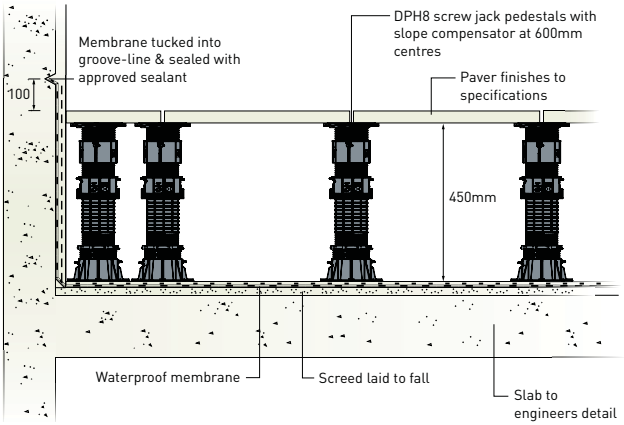
1. Typical section showing slope correction on pitched roof.



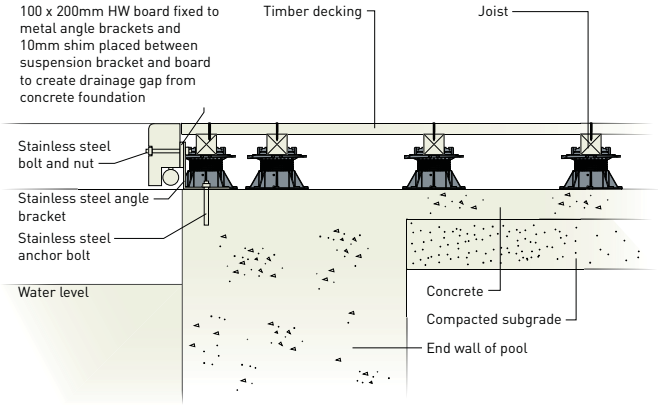
2. Typical section showing decking and parapet on flat roof.



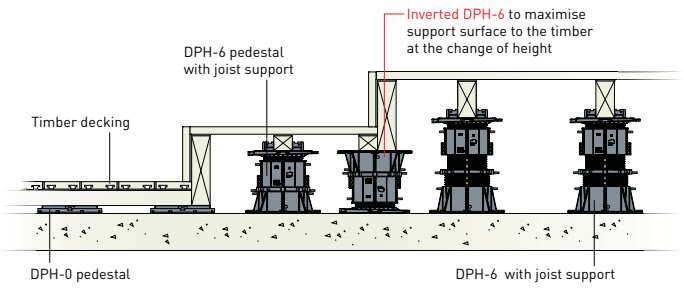
3. Typical section showing concrete slab and a parapet with high ground clearance created with DPH-8 pedestals.



4. Typical section showing surroundings and deck for swimming pool or water feature.



5. Typical section showing stepped application.



DPH® Case Studies

Buzon DPH® pedestals are used in a wide range of prestigious architectural projects worldwide. The versatility of the system means they can be easily used for a small terrace, a roof deck, or for large commercial facility.

Project
Excel Exhibition Centre

Location
London, England

Product
DPH® system

Application type
Pedestals set out on a concrete slab to form the entrance plaza of a large and busy exhibition centre. Pedestals support ceramic or stone pavers to provide absolute stability and a perfectly flat finish.

Project
Beach front Hotel

Location
Greece

Product
DPH®-3

Application type
Large area of seafront decking. The DPH® system is corrosion resistant and will not degrade in marine environments.

Project
Royal Military School

Location
Brussels, Belgium

Product
DPH® system

Application type
Combining decking and paving in curved designs is easily achieved with one support system permitting simple rapid installation.

Project
Restaurant

Location
Melbourne, Australia

Product
DPH®-3

Application type
Buzon pedestals support natural stone pavers at roof level to create a terrace for a restaurant. The system allows simple and rapid drainage.

DPH® Case Studies

Buzon DPH® pedestals are used in a wide range of prestigious architectural projects worldwide. The versatility of the system means they can be easily used for a small terrace, a roof deck, or for large commercial facility.

Project
One Hyde Park

Location
London, England

Product
DPH® system

Application type
A project with extremely high specifications with pedestals using joist supports for timber decking, all laid over a ballasted flat roof.

Project
Vivo City

Location
Singapore

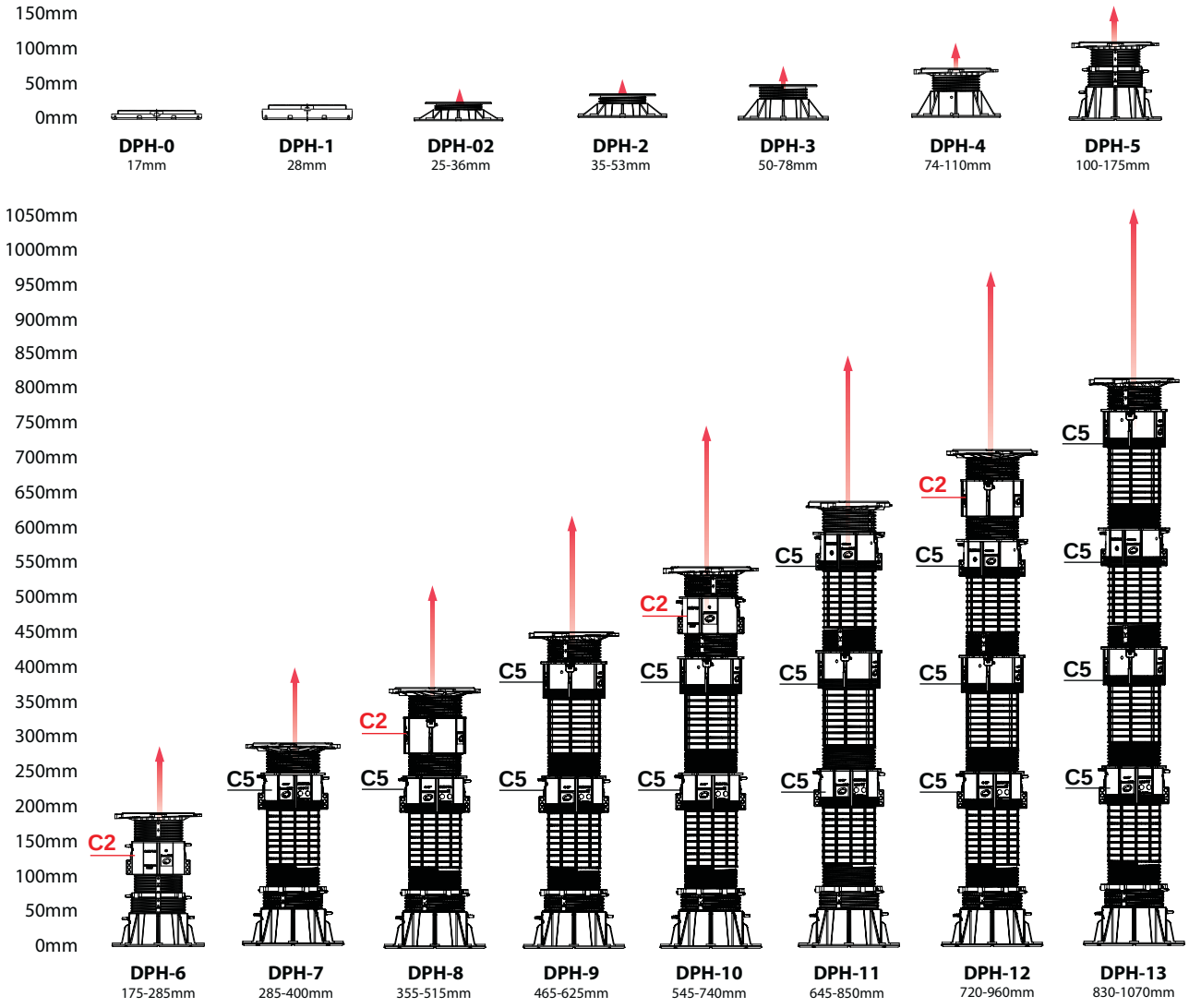
Product
DPH-5®

Application type
DPH®-5 system supporting pavers incorporating a water feature. Pedestals are corrosion- and moisture-proof and allow a rapid drainage.

Dimensions

The Buzon DPH® range can create depths ranging from 17 to 1070mm on flat or sloping surfaces. Other compatible products from the Buzon range, can achieve different depths. More information about our other products is available on request.

The table below illustrates the specific product height ranges.



Loading data

Buzon DPH® system is the most robust pedestal system available today, with unmatched load bearing capacity.

The DPH® range has been tested by an independent laboratory and, during compression tests, the DPH-5 at 175mm height has a maximum load capacity of 650 to 1000kg per pedestal (load applied on the entire surface of the head of the pedestal).

Marina Bay Sands Sky Park, Singapore: 100,000 Buzon DPH® pedestals used for decked restaurant and leisure areas.

Services and support

Technical Support

Upon request, our design department will provide architects and specifiers with details and drawings in 2D as well as supporting documentation.

Our files and drawings are designed to work with our customers' software and can usually be copied and pasted directly into plans or specifications.

Data sheets and product specifications are available on request.

On-site support

Buzon can provide on-site support to ensure optimal design and installation.

Installation instructions and warranty

A full range of installation instructions and warranty are available on request.

Buzon Pedestal International s.a./n.v.

Z.I. des Hauts Sarts - Prolongement rue de l'Abbaye, 134
B-4040 Herstal - Belgium

Tel. : +32 (0)4 248 39 83
Fax : +32 (0)4 264 82 38
info@buzon.eu

www.buzon.eu

DPH® Series

in metric

Adjustable pedestals for
raised access floors
and elevated decks

Buzon

www.buzon.eu
info@buzon.eu