BAUDER SUPPORT SYSTEM

High Quality Adjustable Pedestals for all Types of Terraces and Decking Areas

The Bauder pedestal support system is a range of lightweight, durable paving and decking support units. Designed to meet the exacting standards of finishing levels demanded by architects and clients when specifying open-jointed paving and decking finishes. The range of units are adjustable in height from 17 - 850 mm and incorporate slope corrector heads that are variable to a maximum of 5%, are manufactured from black, UV-resistant high density polypropylene. A range of head attachments allow the gaps between pavers to vary between 2 & 10 mm and there is also a joist batten holder available to secure the bearers for timber decking systems.

The Bauder pedestal support units provide a lightweight and cost effective solution when seeking to minimise the height of a free-draining paving system when compared to the traditional bedded permeable paving options.

Key Applications

- Roofs
- Terraces
- Balconies
- Plaza decks
- Patios

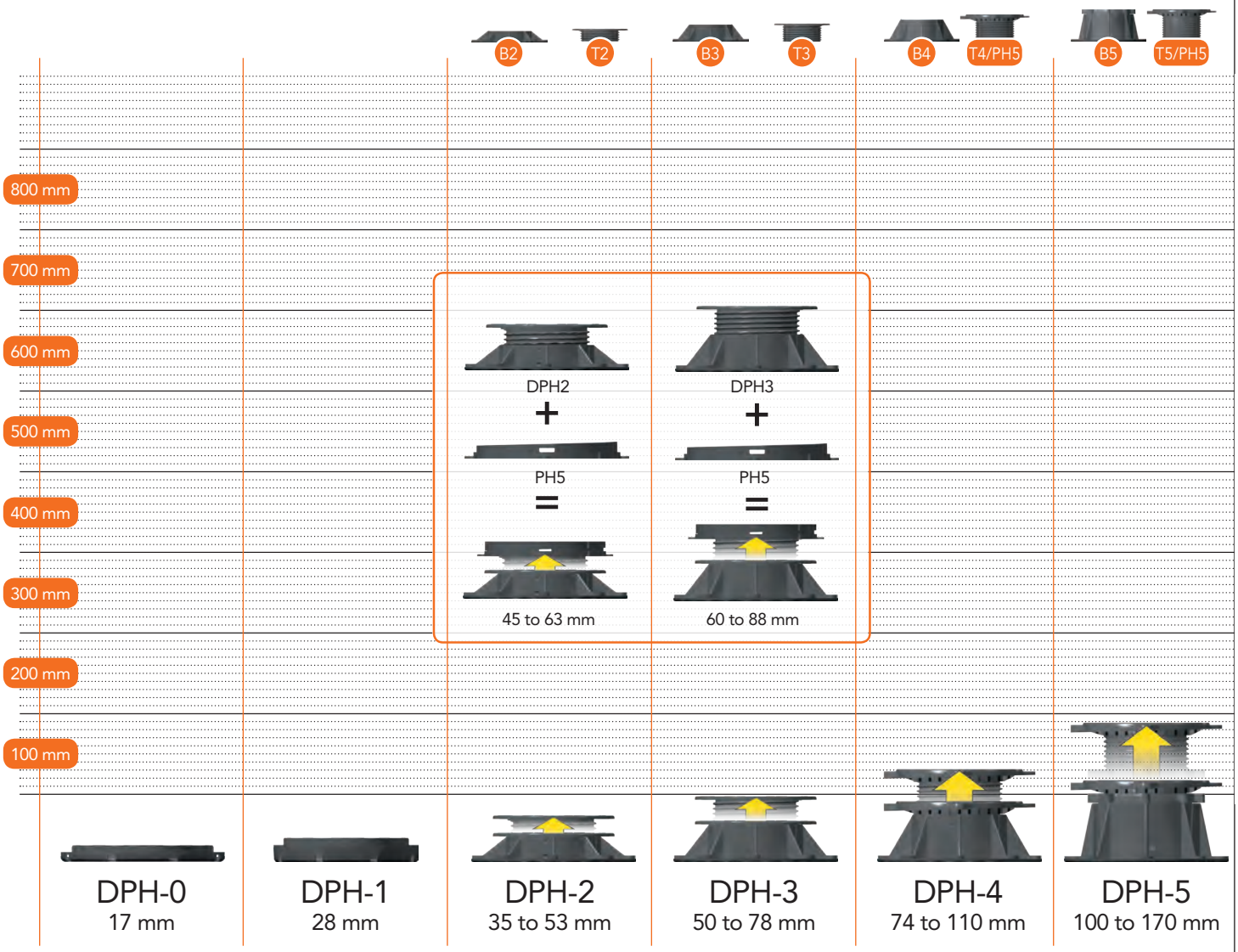
Key Advantages

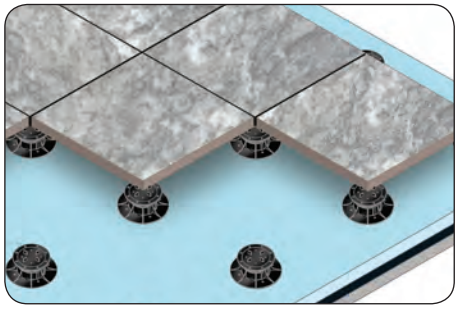
- Lightweight
- Quick to install
- Cost-effective
- No bedding sand required
- Eliminates algae and efflorescence
- Reduces sound transmission
- Improves heat insulation

Key Features

- A lightweight, heavy duty telescopic pedestal
- Supports loads of up to 1,000Kg - per pedestal
- Integrated slope corrector head
- Works with paving, decking and grillage
- Allows easy access to concealed services and waterproofing
- Suitable for a wide range of landscaping applications

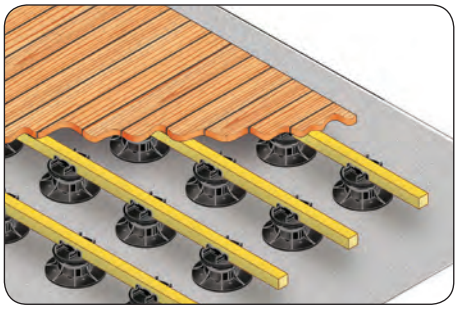
Standard Pedestal from 17 mm to 170 mm





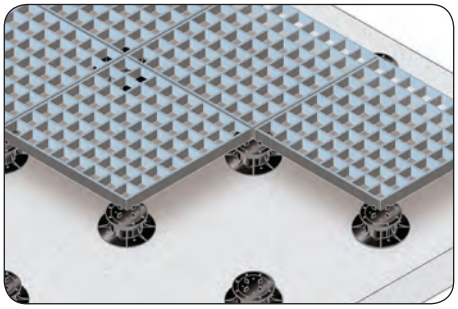
Slabs

The most common use for the units is to support concrete and stone paving slabs. Where the longest edge of a slab is greater the 450mm, an additional pedestal is usually required under the middle of each slab.



Timber Deck Boards

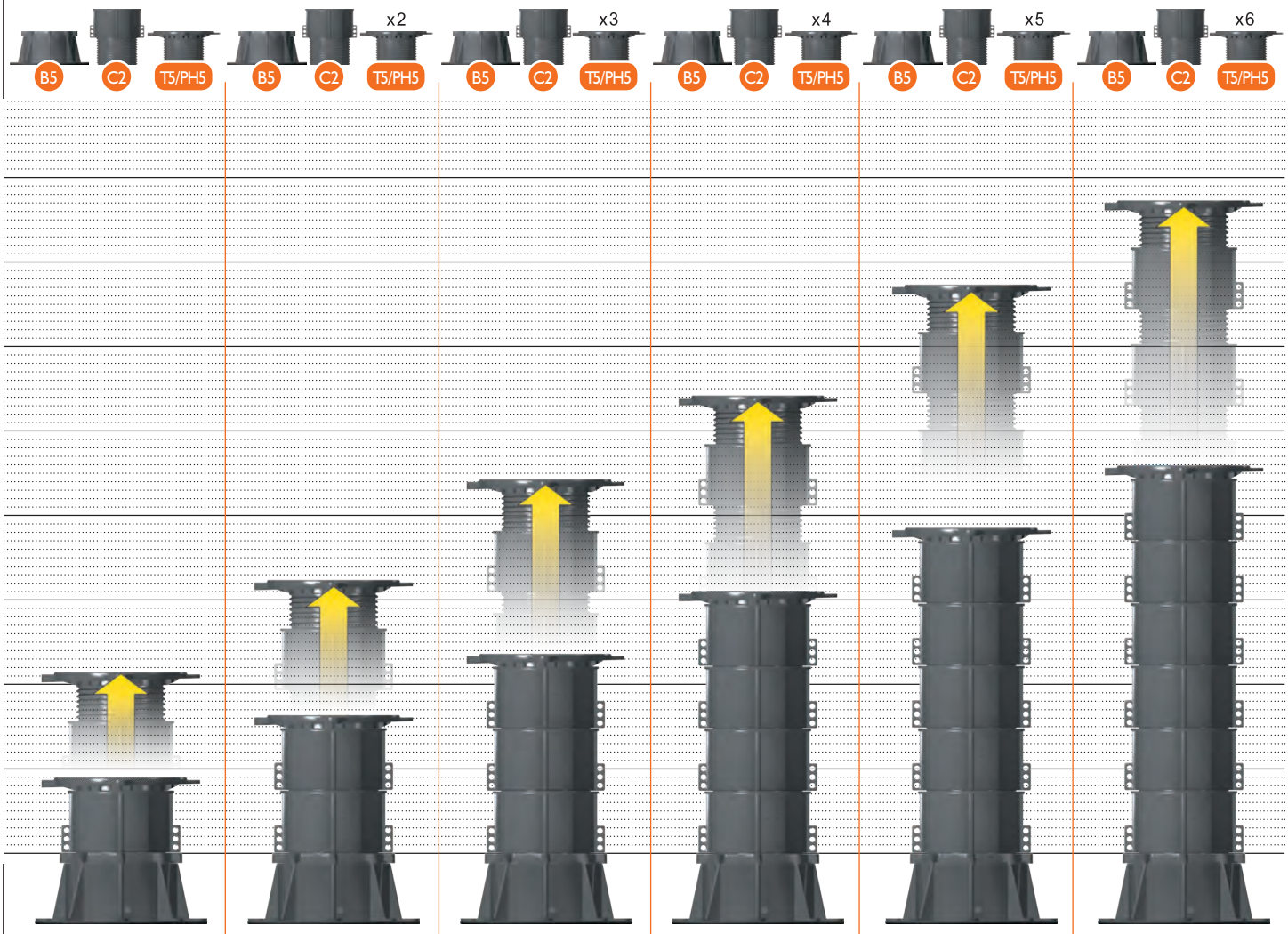
The number of pedestals required is determined by the span of the joists used, and can only be calculated once the live load requirements are established. Please call us if you wish to discuss this further.



Grillage

The units can also be used as a support for a wide variety of structural elements such as grillage, shown above. Please call us if you wish to discuss your particular requirement further.

Extension from 170 mm to 850 mm (with coupler C3)



DPH-6
170 to 290 mm

DPH-7
240 to 400 mm

DPH-8
230 to 520 mm

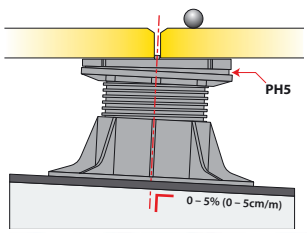
DPH-9
390 to 620 mm

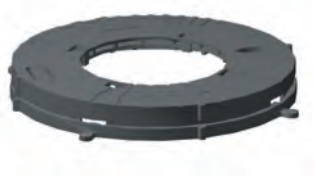
DPH-10
460 to 750 mm

DPH-11
530 to 850 mm

PH5 Slope Corrector

To compensate a slope from 0 to 5% (slope from 0 to 50 mm per linear metre). For good water run-off on roofs the slope should be around 2%.





Kit Support for Joist Battens

Support for a variety of structures.

- Wood batten (joists)
- Wood batten in composite
- Aluminium support structures

Width of the support: 65 mm. With fixing holes on both sides of the kit for mechanical fixing entering the building.

Shim

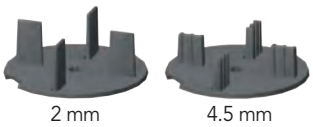
Made in EPDM of 1 or 2mm, for use with marble, stone, granite etc. for:

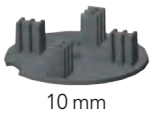
- Anti slip properties
- Shock & sound absorption

During installation, the shims can be used to compensate for the differences in thickness of the slabs used.

Tabs

The head can be fitted with tabs, to give the desired spacing between slabs (for water drainage and ventilation).





GUIDE FORMULAS

How Many Pedestals do I Need

Slabs and Grilles
The number of pedestals required for a job depends on the following factors:

- The total number of slabs or grilles used
- The size and weight of the slabs or grilles - larger or heavier may require an additional central pedestal per slab
- The shape of the area to be covered - the more irregular shaped the area the more pedestals you are likely to require

As a guide, the following formula can be used:

1. Include one pedestal for every slab or grille
2. Count the number of slabs or grilles around the perimeter of the area and divide this number by two.
3. Add the number of pedestals calculated in step 1. to the number calculated in step 2.
4. Add 5% to the total number of pedestals calculated in step 3.

As a very rough guide, the following chart can be used to estimate jobs using standard slabs or grille tile sizes:

THE SIZE	NO. OF PEDESTALS PER SQUARE METRE
300 x 300 mm	17
450 x 450 mm	7.5
600 x 600 mm	4 Plus one extra pedestal per slab. It is recommended that large slab should have an additional pedestal placed centrally under each slab.

Please note that it is the responsibility of the customer to ensure that they correctly calculate the quantities of pedestals required to complete a job, however we are happy to help with your calculations.

Timber Deck Boards

The number of pedestals required is determined by the span of the joists used, and can only be done once the live load requirements are established. Please call us if you wish to discuss this further.

Roof Slope Conversation Chart

PERCENTAGE	DEPTH OF FALL	DEGREES	GRADIENT
5%	50 mm / LM	2.86°	1:20
4.5%	45 mm / LM	2.58°	1:22
4%	40 mm / LM	2.30°	1:25
3.5%	35 mm / LM	2.10°	1:29
3%	30 mm / LM	1.72°	1:33
2.5%	25 mm / LM	1.43°	1:40
2%	20 mm / LM	1.50°	1:50
1.5%	15 mm / LM	0.86°	1:67
1%	10 mm / LM	0.60°	1:100

DPH Pedestals supporting large format marble slabs

Restaurant terrace utilising concrete slabs

With concrete slabs

*Test available on request.

BAUDER

UNITED KINGDOM
Bauder Limited
70 Landseer Road, Ipswich, Suffolk IP3 0DH, England
T: +44 (0)1473 257671 **E:** info@bauder.co.uk
bauder.co.uk

IRELAND
Bauder Limited
O'Duffy Centre, Carrickmacross, Co. Monaghan, Ireland
T: +353 (0)42 9692 333 **E:** info@bauder.ie
bauder.ie