

PRODUCT CARD

Short name

DECS-GRP-(1)

Full name

DeckSafe Substructure Grating and Paver Positioning Pin with Locking Pin

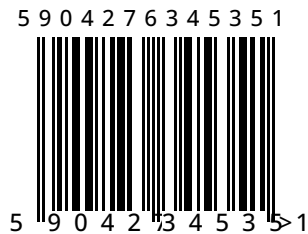
BASE DATA

Product group DeckSafe

Application • terrace tiles

Code 108.020111

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TECHNICAL DATA

Minimum height 2.5 mm

Maximum height 2.5 mm

Total dimension - length 145 mm

Total dimension - width 145 mm

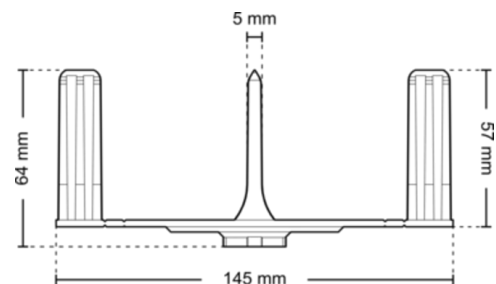
Total product dimensions - height 64.5 mm

Head diameter (top plate) Ø 145 mm (165 cm²)

Base diameter Ø 0 mm

Weight ~0.07 kg

Wytrzymałość na obciążenia do 0 kg



Fire resistance	E
Temperature range	od -20°C do 65°C
Color	black
Mandatory warranty	Limited 10-year residential and commercial warranty
Country of origin	Poland
Material name	Polypropylene - black regrind
Percentage of recycled material	100 %
Type of waste	• non-hazardous waste - recyclable
Project type	• Fountain • exterior use

What finishing materials can be used

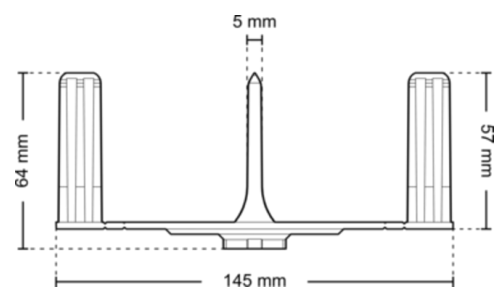
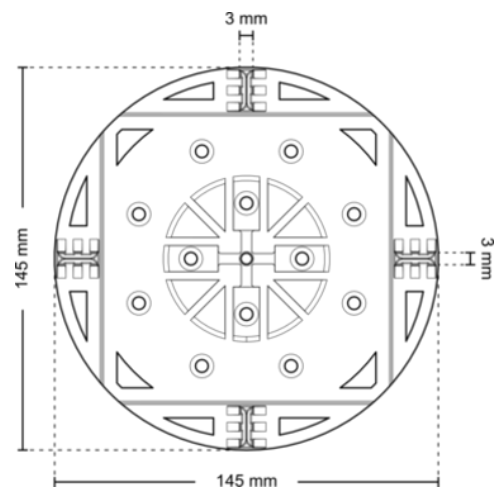
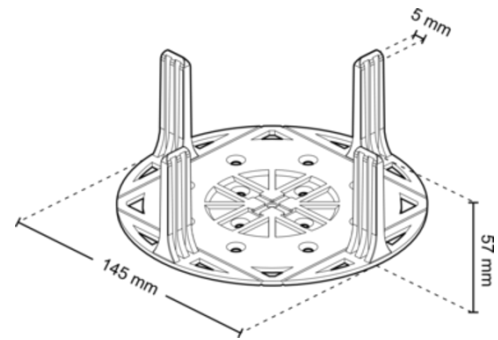
- DeckSafe
- concrete paver
- ceramic tile
- stone pavers

Consists of

GRP positioner

CERTIFICATES

Product certified by the Building Research Institute.
NATIONAL TECHNICAL ASSESSMENT ITB-KOT-2022-2174



LOGISTICS INFORMATION

Package	Quantity Packaging Value	Package weight	Empty package weight	Palett	Number of packages on a pallet	Number of pieces on a pallet	Pallet weight	Empty pallet weight
-	-	- kg	- kg	-	-	-	- kg	- kg

Characteristic features

Characteristics of DeckSafe

1. Enhancing the application possibilities and safety of raised deck terraces

Product features:

Dimensions and construction: An overlay with a diameter of 144 mm, designed to perfectly fit into the sockets of the pedestal spacer discs.

Spacing elements: Equipped with four vertical protrusions that serve a dual function: they position the corners of the grates and define the width of the gap between the pavers.

Mounting system: The element is installed using a "press-fit" method into the pedestal head, with an option for additional securing with screws to achieve maximum rigidity.

Compatibility: Fully integrated with the SPIRAL and MAX series adjustable pedestals.

Application

Application of raised deck terraces:

The raised deck terrace system finds wide application in modern residential, commercial, and public utility construction. This solution is intended for creating:

1. terraces, balconies, and loggias
2. usable roofs and green roofs
3. recreational areas around buildings
4. pedestrian walkways, decks, and squares
5. spaces above technical installations requiring easy service access.

The system enables quick installation without the use of mortars and adhesives, ensuring free water drainage and ventilation under the entire terrace surface. Thanks to adjustable pedestals and/or joist construction, it allows for leveling slopes and height differences in the substrate.

Raised deck terraces are a particularly recommended solution where the following are important:

1. durability and resistance to weather conditions
2. aesthetic appearance and even surface
3. easy access to the insulation layer and installations
4. possibility of quick modernization or surface replacement

Projects requiring specialized solutions in the field of safety and functionality.

For use when employing the DeckSafe system to secure against paver uplift from strong wind gusts.

Alignment of the structure: Precise positioning of the terrace pavers together with the attached DSP substructure grid in the axis of the pedestal head.

Setting joints: Defining repeatable and aesthetic spacing between the surface elements.

Facilitating mechanical installation: Stabilizing the set to allow for trouble-free screwing of the central fastening element (LDF mushroom head) into the pedestal head.

Advantages

Advantages of raised deck terraces:

1. Height and level adjustment – possibility of precise leveling of the surface without the need for screeds
2. Effective drainage – gaps in the terrace drain water to the space under the terrace
3. Easy maintenance – access to installations and substrate without dismantling the entire structure
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5. Thermal and acoustic insulation – the air layer under the pavers improves user comfort
6. Quick installation and dismantling – possibility of reusing elements when changing the arrangement
7. Durability – resistance to weather conditions and usage loads

Advantages of the accessory:

1. Precision and aesthetics: Guarantees perfect alignment of the terrace line and a constant width of joints between pavers.
2. Fast installation: Simplifying the DeckSafe system assembly process shortens the installer's working time.
3. Stabilization of the fixing point: By positioning the grids in the axis of the pedestal, the installer has easier access to the socket of the screw securing the LDF mushroom head.

Installation recommendations

A raised deck terrace does not require permanent anchoring to the substrate. Free water drainage and ventilation must be ensured under the entire surface of the terrace. The substrate must be level, stable, and load-bearing. A slope of at least 1.5–2% towards the drainage must be provided. In the case of higher loads, densify the support grid. Level the terrace height by adjusting the pedestals. At building expansion joints, maintain a gap and seal it with flexible elements. Pedestals cannot be stacked on top of each other - meaning the base of the upper pedestal cannot be placed on the top cap of the lower pedestal. The holes in the base are only for stacking pedestals during packaging.

Embedding: The positioner should be installed in the socket of the spacer disk on the pedestal head, pressing it until fully seated. Increasing stability: In projects requiring the highest resistance to displacement, it is recommended to screw the positioner to the pedestal head through the prepared mounting holes. Work sequence: The positioner is installed before laying the DSP grids. The vertical elements of the positioner should be located at the junction of the four corners of the pavers.

Tools

- Measure - Spirit level - String line or cross line laser - Pencil or construction marker - Mason's rule - Rubber mallet - Work gloves - Safety glasses - Hearing protection - Dust mask - Metal saw blade or jigsaw with metal cutting blade for trimming elements

Standard installation: Manual installation ("push-fit") does not require the use of tools. Optional installation: For additional screwing of the element to the head, a screwdriver with an appropriate bit is required.

Recommendations for use

The raised deck terrace is intended for use in accordance with its purpose – as a recreational surface. Do not point-load the pavers (e.g., by placing very heavy objects on a small area). Avoid mechanical impacts that could damage the pavers or the support structure. The terrace surface should be regularly swept, and leaves, sand, and debris that may accumulate in the joints should be removed. At least once a year, check the stability of the pavers and pedestals. After winter or heavy rainfall, check the drainage system for blockages. If looseness or damage is found – perform adjustment or replacement of the elements. If access to the space under the pavers is required (e.g., for installations, drains), they should be carefully lifted using appropriate lifters or lifting tools. In the case of a slippery surface, use anti-slip mats or additional protective coatings, e.g., around the pool.

For use when using the DeckSafe system to secure against paver lifting by strong wind gusts.