

PRODUCT CARD

Short name

DECS-LDF-(180(30x6))

Full name

DeckSafe locking pin for substructure grid with protection against wind uplift with screw

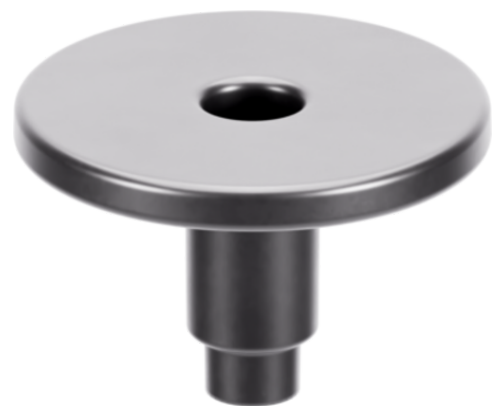
BASE DATA

Product group	DeckSafe
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Application	• terrace tiles
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Code	108.030131
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TECHNICAL DATA

Minimum height	0 mm
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Maximum height	0 mm
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Total dimension - length	58 mm
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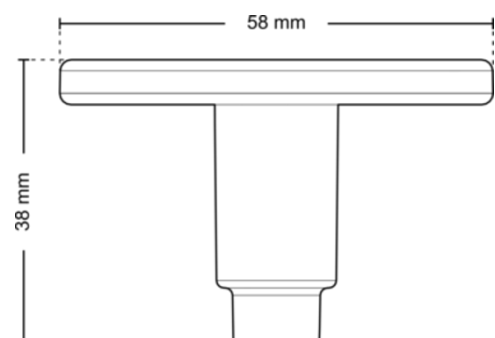
Total dimension - width	58 mm
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Total product dimensions - height	38 mm
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Head diameter (top plate) Ø	0 mm (0 cm2)
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Base diameter	Ø 0 mm
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Weight	~0.02 kg
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Wytrzymałość na obciążenia do	0 kg
Fire resistance	E
Temperature range	od -20°C do 65°C
Mandatory warranty	Limited 10-year residential and commercial warranty
Country of origin	Poland
Material name	Polyamide- 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

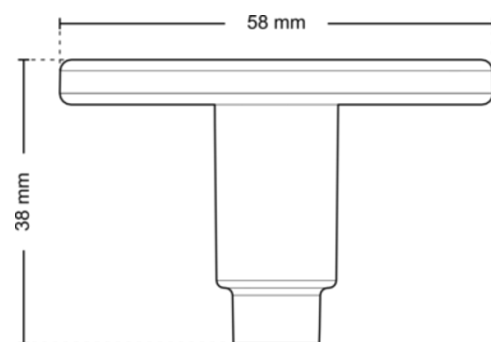
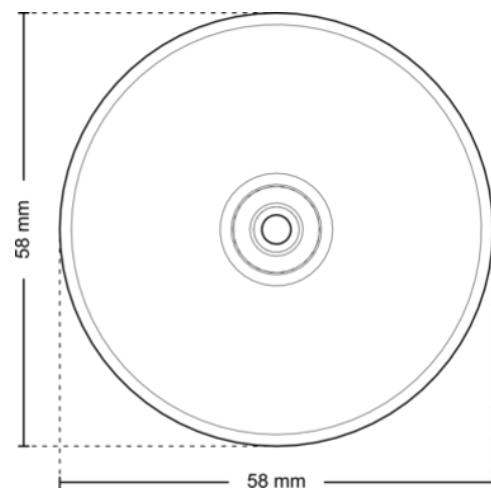
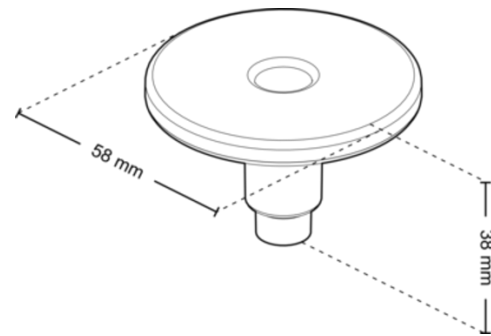
- DeckSafe
- concrete paver
- ceramic tile
- stone pavers

Consists of

DeckSafe locking pin for substructure grid with protection against wind uplift with screw

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
BOX 300x250x200	180	3 kg	0.24 kg	WOODEN PALLET 120x100x220	160	28800	518 kg	18 kg

Characteristic features

Characteristics of DeckSafe

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

Product features:

Geometry: A stud-shaped element consisting of a cap (head) with a diameter of 56 mm and a stem with a height of 22.5 mm.

Through-hole: Equipped with a central channel featuring a formed internal support shelf, on which the head of the fastening screw rests.

Locking mechanism: The design allows the mushroom head to move freely within the mounting socket along the gaps between the pavers (when the screw is loosened), which is crucial for the disassembly function.

Integrated fastening: Inside the stem there is a screw which, when unscrewed, remains inside the element, preventing its loss and facilitating reassembly.

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.

The DECS-LDF anchoring pin is a specialized connecting element, forming the heart of the DeckSafe securing system. Its unique, patent-pending design allows for the mechanical attachment of DSP structural grids to pedestals, eliminating the risk of the surface being torn off by extreme wind gusts. The pin can be unscrewed and shifted to remove a single paver from the terrace without the need to cut or destroy the pavers.

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. Extreme durability: Creates a mechanical connection between the pavers and the pedestal.
2. Full aesthetics: The entire fastening mechanism is hidden beneath the surface and remains completely invisible to the user.
3. Unique mobility: The only system in the world that allows for the removal of a single paver from the middle of the terrace without disturbing the adjacent elements.
4. Paver protection: Does not require invasive cutting of the side edges of the terrace pavers, which eliminates the risk of chipping.

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.

Positioning: The pin should be placed in the socket (socket 3) formed by the converging corners of four adjacent DSP gratings. Fastening: The inner screw should be screwed into the central point of the pedestal (set by the GRP positioner) until the mushroom head presses the grating edges against the substrate. Paver replacement: To remove a paver, unscrew the pin and slide it along the joint gap to the position where the head leaves the recess in the load-bearing paver.

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

Screwdriver/Drill: Standard tool with the appropriate bit to tighten the screw hidden in the stem foot.

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. 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.