

## PRODUCT CARD

Short name

**SPI-017-030-DAD-(90)**

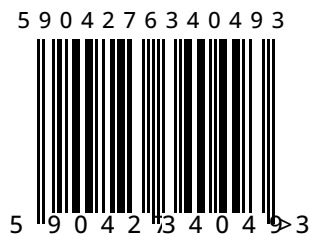
Full name

Adjustable pedestal SPIRAL 17-30 mm for outdoor raised flooring for decking with DAD

### BASE DATA

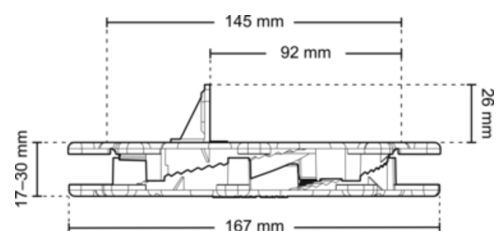
|               |                 |
|---------------|-----------------|
| Product group | Spiral          |
| Application   | • terrace joist |
| Code          | 103.020411      |

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### TECHNICAL DATA

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Minimum height                    | 17 mm                           |
| Maximum height                    | 30 mm                           |
| Regulation type                   | stepped                         |
| Total dimension - length          | 168 mm                          |
| Total dimension - width           | 168 mm                          |
| Total product dimensions - height | 17 mm                           |
| Head diameter (top plate) Ø       | 145 mm (160 cm <sup>2</sup> )   |
| Base diameter                     | Ø 145 mm (160 cm <sup>2</sup> ) |
| Weight                            | ~0.15 kg                        |
| Wytrzymałość na                   | 2000 kg (20kN)                  |



## obciążenia do

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

## What finishing materials can be used

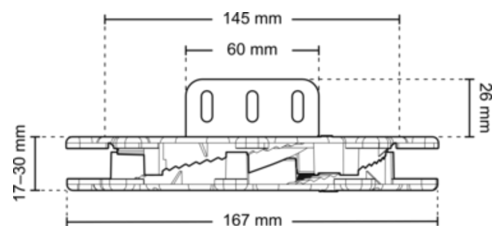
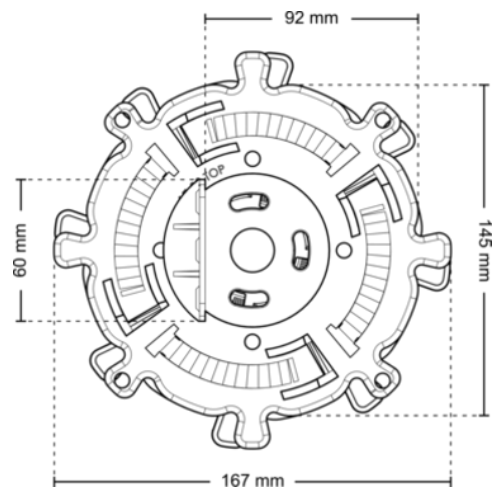
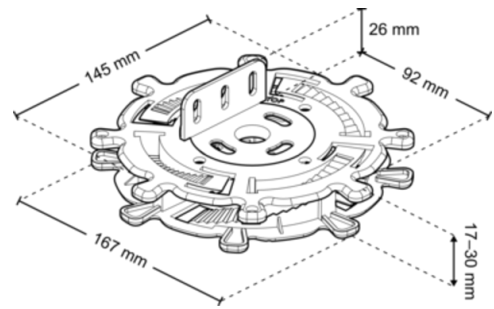
- hardwood joist
- softwood joist
- aluminium joist
- WPC joist

## Consists of

Pedestal 17-30 SPIRAL bottom , Pedestal 17-30 SPIRAL top , Joist adapter for SPIRAL, MAX - height 26 mm, Joist adapter for SPIRAL, MAX - height 26 mm

## 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 600x500x200 | 90                       | 14 kg          | 0.76 kg              | WOODEN PALLET 120x100x220 | 40                             | 3600                         | 595 kg        | 18 kg               |

### Characteristic features

Characteristics of the SPIRAL series

1. Step adjustment every 1 mm
2. High load-bearing capacity
3. For low-height raised deck terraces

Product features:

1. Consists of lower and upper parts
2. Upper part has a socket for head finishing installation
3. Characteristic stepped height adjustment method

### 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

For the construction of raised deck terraces with pavers or boards on joists. Used in residential, commercial, and public utility construction.

### 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
4. Easy maintenance – access to installations and substrate without dismantling the entire structure
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

### 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.

Height adjustment is stepped and is achieved by rotating the halves relative to each other. Each step is a height difference of 1 mm. The minimum compressive strength of the substrate in the case of insulation boards is 200 kPa

Recommendations for a terrace with decking: Mount the joist using universal screws to the DAD adapter, which is press-fitted into the cap of the pedestal head. The distance (pedestal spacing) depends on the material of the terrace joist and its cross-sectional dimensions.

## 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

## 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.