

PRODUCT CARD

Short name

ADEC-LE145-(36)

Full name

Self-levelling head for AluDeck joist click mounting for MAX and SPIRAL pedestals, slope compensation up to 6%

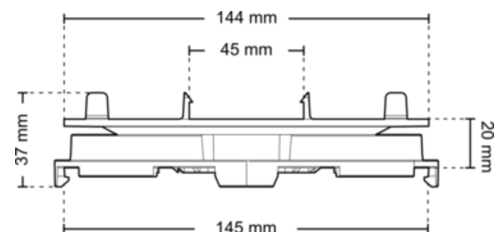
BASE DATA

Product group	AluDeck
Application	• terrace tiles • terrace joist • wpc decking boards
Code	109.050221
EAN	5 9 0 4 2 7 6 3 4 8 0 7 9  5 9 0 4 2 7 6 3 4 8 0 7 9



TECHNICAL DATA

Minimum height	19 mm
Maximum height	19 mm
Total dimension - length	149.5 mm
Total dimension - width	149.5 mm
Total product dimensions - height	37 mm
Head diameter (top plate) Ø	144 mm (162 cm ²)
Base diameter	Ø 0 mm
Weight	~0.18 kg
Wytrzymałość na	0 kg



obciążenia do

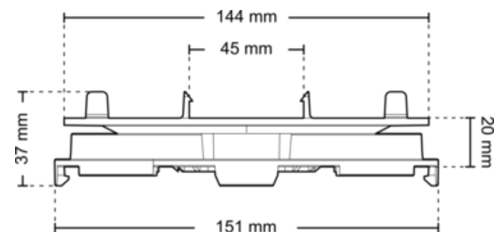
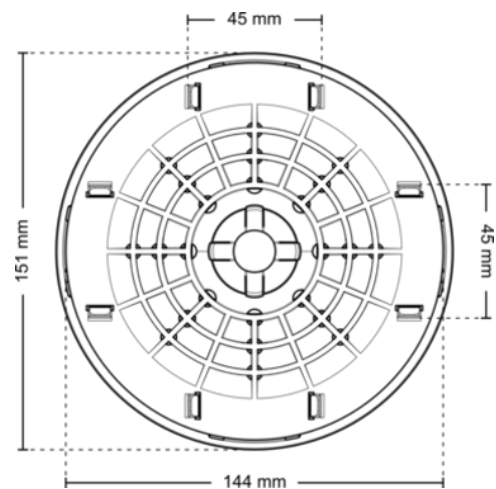
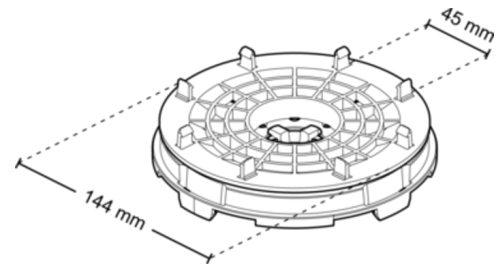
Fire resistance	E
Temperature range	od -20°C do 65°C
Color	black
Mandatory warranty	Limited 10-year residential and commercial warranty
Country of origin	Poland
Material name	Polypropylene - black regrind
Percentage of recycled material	100 %
Type of waste	• non-hazardous waste - recyclable
Project type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

Consists of

Self-leveling head AluDeck 145 mm bottom , Self-leveling head AluDeck 145 mm top

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 500x300x200	36	6 kg	0.381 kg	WOODEN PALLET 120x100x220	80	2880	555 kg	18 kg

Characteristic features

Product features:

Two-part construction: The head consists of a lower part with a concave spherical shape and an upper part with a protruding sphere, forming together a movable joint.

Self-leveling range: The applied spherical joint allows for automatic adjustment of the slope angle with a tolerance of up to 6%.

Click System: The upper part is equipped with durable clips enabling instant installation of ADJ aluminum joists without the use of screws.

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

Connection: The head connects the pedestal to the aluminum joist.

Slope compensation: Automatic leveling of unevenness or slopes under the aluminum joists in a raised deck terrace system.

Frame construction for terraces: Used wherever high structural stability is required along with the need for precise leveling of the surface.

Compatibility: For use with STANDARD group adjustable pedestals.

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. Automatic leveling up to 6%: Eliminates the need for additional leveling shims and tedious manual leveling of joists and pedestals.
2. Drastic reduction in work time: The "click" mounting system allows for a significant acceleration in the construction of the aluminum substructure.

3. Durability and stability: The precise fit of the spherical elements guarantees stable load transfer even at maximum slope.

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.

Mounting the head to the pedestal: The head should be mounted onto the pedestal head by placing it on and pressing down while simultaneously rotating until the catches engage with the pedestal cap. Mounting the head to the joist: The ADJ joist should be attached to the self-leveling head, which is already attached to the pedestal head, by pressing it between the catches until they engage with an audible "click". Self-leveling: Once loaded with the joist, the head will automatically set itself at the appropriate angle, compensating for the substrate slope.

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

Manual installation: Installation of the self-leveling head does not require the use of any specialized tools.

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.