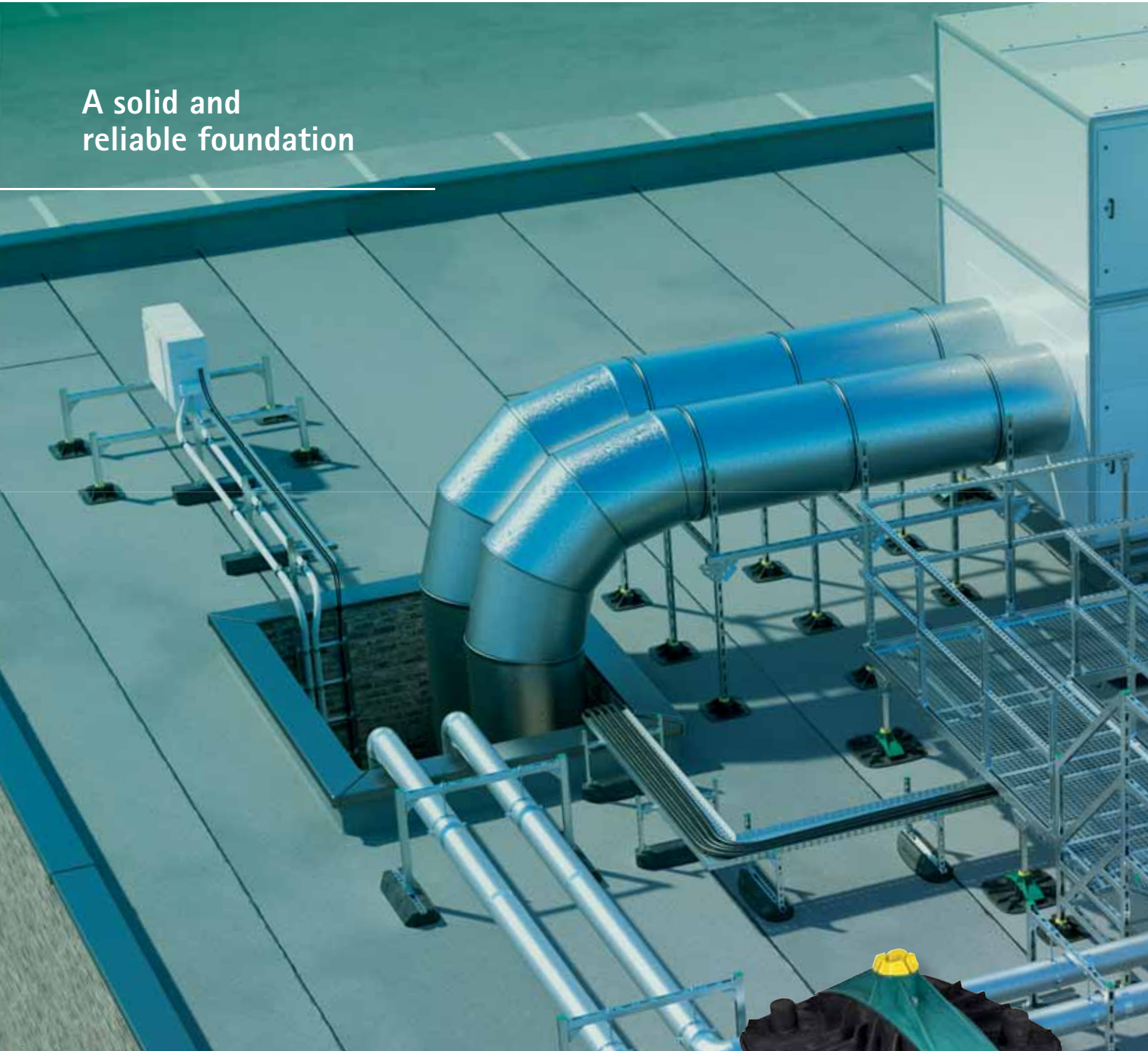


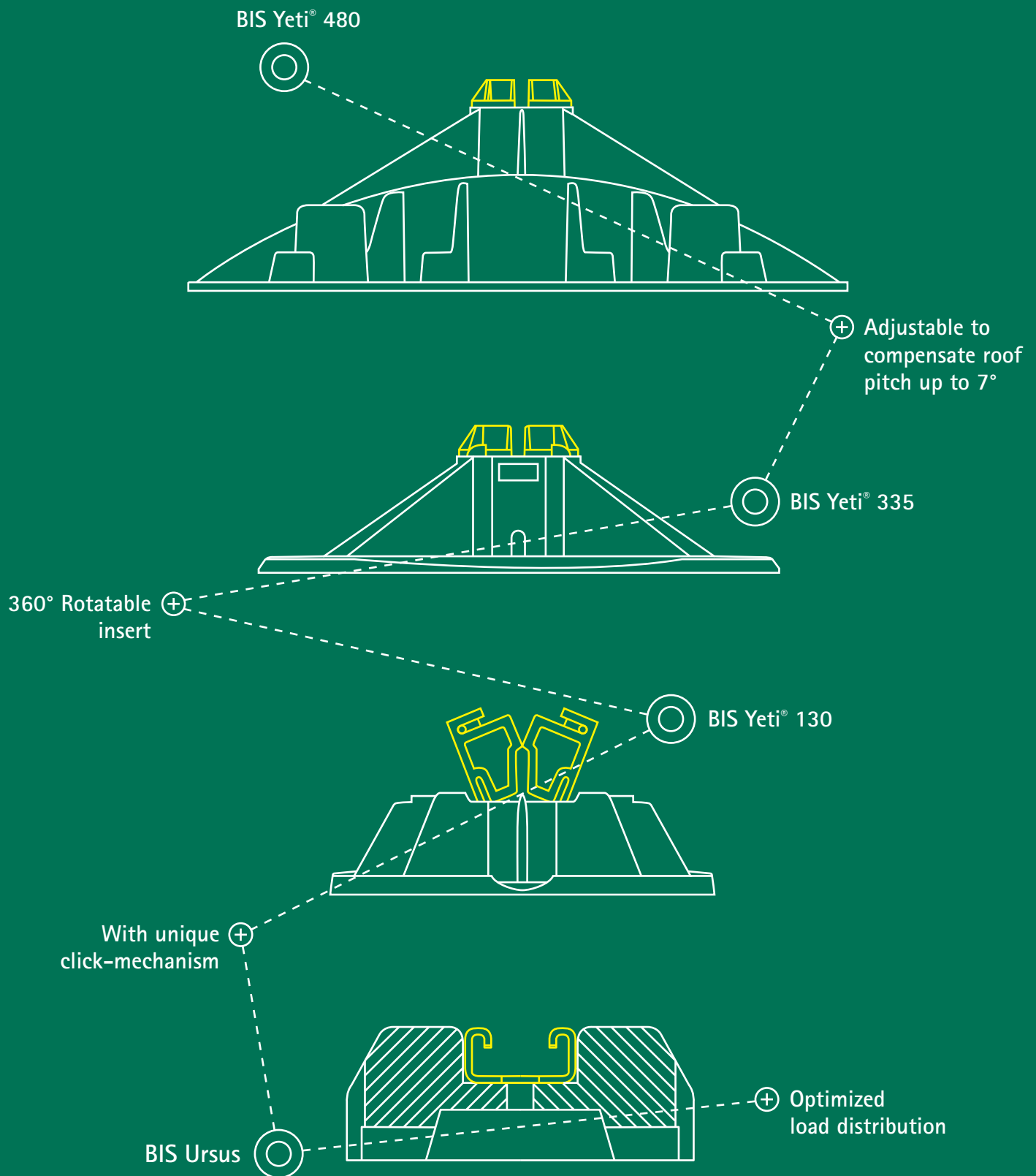
A solid and  
reliable foundation



## BIS Yeti®

For any Strut based installation





## Inspired by smart solutions from the start

Walraven is a globally active company in the installation industry, founded in 1942. We have always been dedicated to make the work of our customers easier and more effective. With simple and smart solutions, comprehensive services and excellent support.

**Walraven. The value of smart**

# Walraven Roof Support System

A solid and reliable foundation for any Strut based installation

## BIS Yeti® 480



BIS Yeti® 480 is a non-penetrative, modular system for supporting installations on flat roofs, other flat surfaces and even on low pitched roofs (up to 7°). The sturdy BIS Yeti® feet are used in combination with BIS RapidStrut® fixing rail. With the optional ballast blocks extra weight can be added providing even greater stability. The BIS Yeti® 480, available for both vertical and horizontal applications, is equipped with a non-slip, anti-vibration mat which prevents damage to the roof membrane, thereby minimising the risk of leakage.

## BIS Yeti® 335



The BIS Yeti® 335 is the smaller family member of the BIS Yeti® 480. It is designed to support installations on flat roofs or other flat surfaces, in combination with BIS RapidStrut® fixing rail.

The BIS Yeti® 335, available for both vertical and horizontal applications, is supplied with a 360° rotatable insert, allowing precise positioning. It also comes with a non-slip, anti-vibration mat to prevent damage to the roof membrane.

## BIS Yeti® 130

A flexible and reliable foundation for light Strut based installations on roofs. It also comes with a non-slip, anti-vibration mat to prevent damage to the roof membrane.

## BIS Ursus Foot

BIS Ursus is designed to support small, linear pipework systems, ductwork runs, cable trays and is ideal for climate installations, walkways and similar on flat roofs. The BIS Ursus Foot Support System is made from UV resistant, vulcanised rubber, and includes a BIS RapidStrut® fixing rail piece, with BIS UltraProtect® 1000 surface treatment.

## Features and benefits



### No drilling required

Prevents penetration of roof membrane and reduces the risk of leaks.



### Recyclable

Mounting units are made from recycled weather and UV resistant materials.



### Optimized load distribution

Optimal distribution of the load and reduction of dead weight protects the roof surface.



### Saves time and money

Easy to use modular support system.



### Sound & vibration proof

With non-slip anti-vibration mat.



### SG Bauakustik

Nr. 1762-001-18





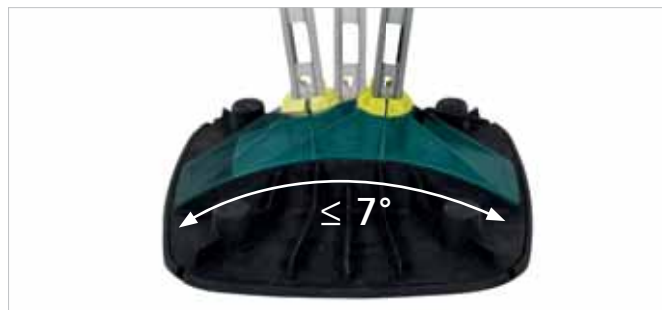
*For flat and low pitched  
roofs and high loads*

# BIS Yeti® 480

Adjustable for precise positioning and suitable for high loads



■ 360° rotatable insert



■ Adjustable to compensate roof pitch up to 7°



■ With non-slip anti-vibration mat

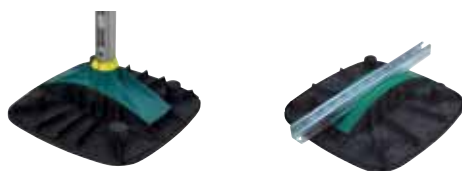


■ Optional stackable ballast block to increase stability

## Technical data

### BIS Yeti® 480

Part No.	Model	Size
67685001	Vertical	480 x 480 mm
67685101	Horizontal	480 x 480 mm



### Ballast Block

Part No.	Weight	In combination
67685401	8 kg	Yeti® 480

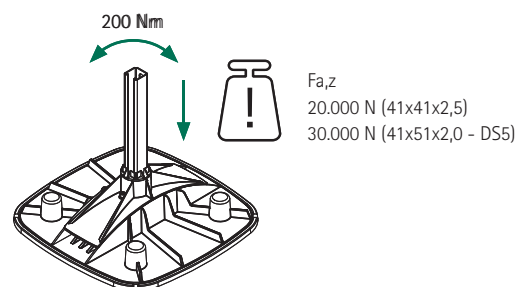


Mouldings made from WPC, a composite of recycled plastic and wood fibre.  
Resistant to UV and chemical influences.

## Maximum allowed loads\*

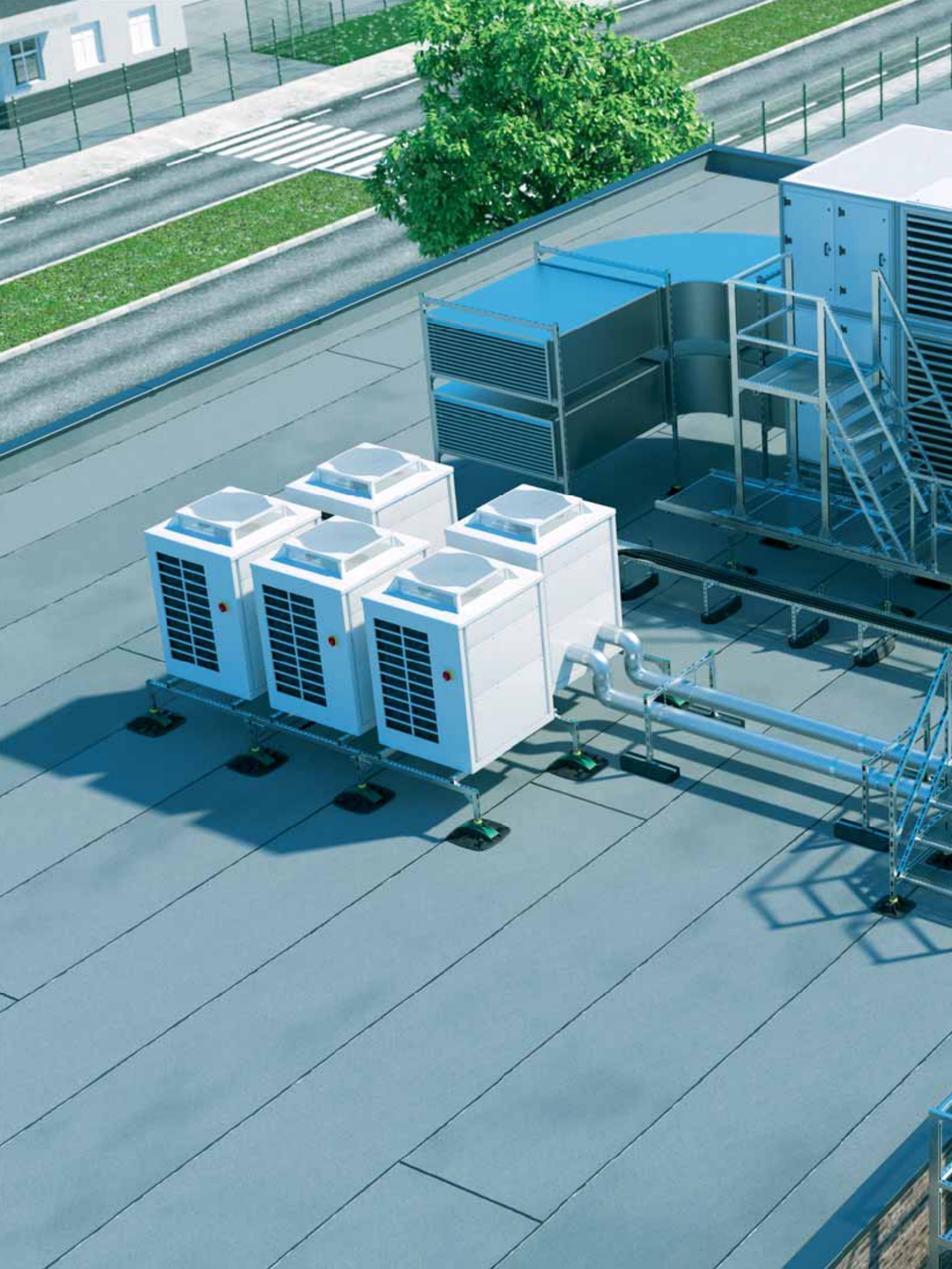
The maximum allowed load is tested on a flat concrete surface under straight load. For technical support or advice on these products applied to anything other than concrete floors please contact our project engineers.

\* In combination with BIS RapidStrut® Rail.



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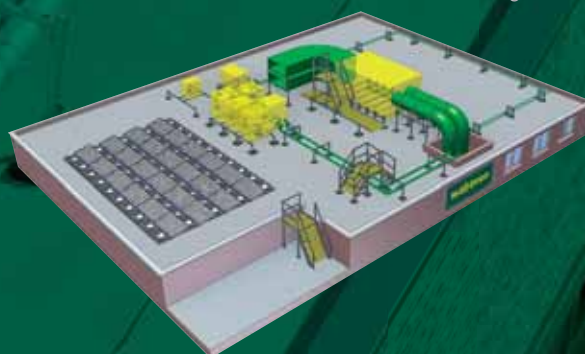


The value of smart



## Flexible application options with BIS RapidStrut® System

- Combines with all BIS Yeti® & BIS Ursus products
- Extensive range of rails and accessories
- Fast and easy fixing
- Very high corrosion resistance





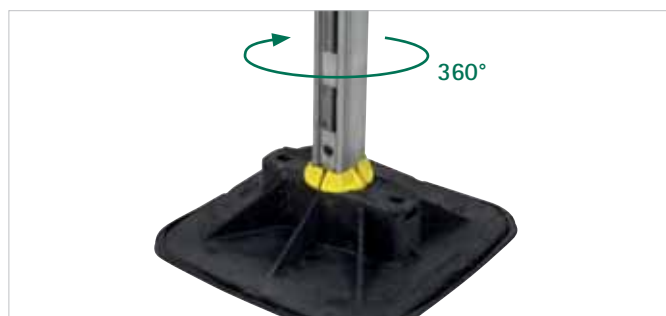


*For flat roofs, for  
horizontal and vertical  
applications*

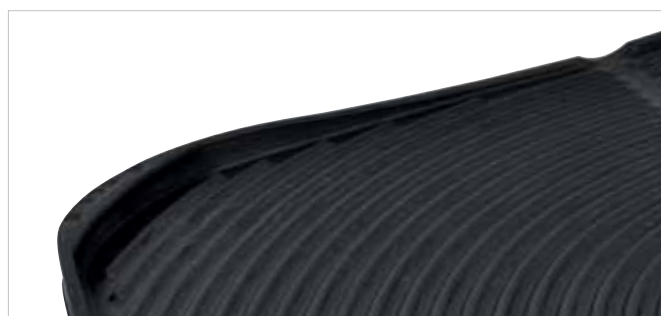


# BIS Yeti® 335

Adjustable for precise positioning

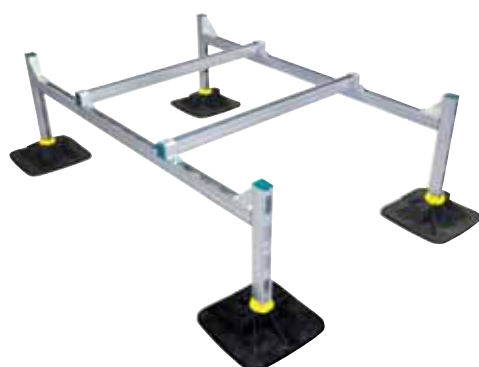


- 360° rotatable insert



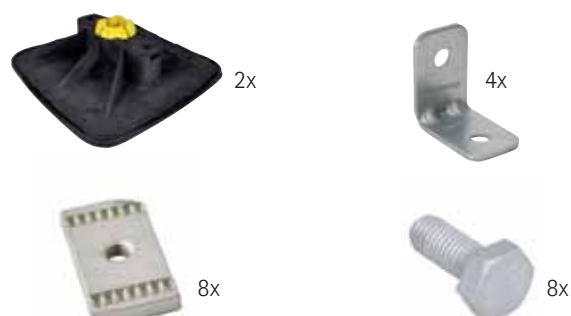
- With non-slip anti-vibration mat

## Frame Set



- Also available as a complete Frame-Set.  
# 67685501

## H-Set

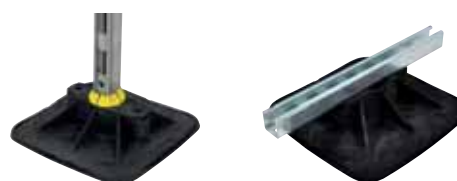


- Also available as H-Set (rails are not included).  
# 67685302

## Technical data

### BIS Yeti® 335

Part No.	Model	Size
67685201	For horizontal and vertical use	335 x 335 mm

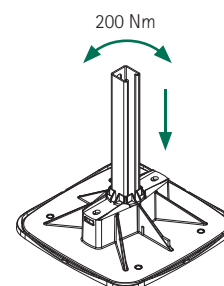
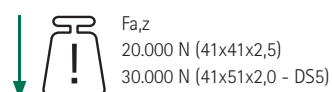


*Mouldings made from WPC, a composite of recycled plastic and wood fibre. Resistant to UV and chemical influences.*

## Maximum allowed loads\*

The maximum allowed load is tested on a flat concrete surface under straight load. For technical support or advice on these products applied to anything other than concrete floors please contact our project engineers.

*\* In combination with BIS RapidStrut® Rail.*



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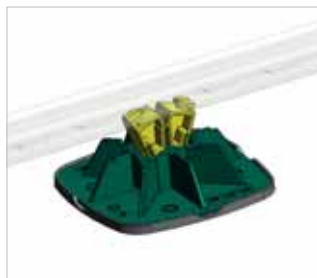


*A flexible and reliable  
foundation for light Strut based  
installations on roofs*



# BIS Yeti® 130

With unique click-mechanism



*The insert is automatically closing when the rail gets pushed in*

## Features and benefits

- Suitable for light applications
- With unique click-mechanism
- With sound absorbing and non-slip anti-vibration mat
- Flexibility to use - build your solution
- Cost-effective but still high quality

## Technical data

- Mouldings made from WPC, a composite of recycled plastic and wood fibre
- Made from 100% recycled plastic
- Resistant to UV and chemical influences
- 130 x 130 mm
- For horizontal and vertical use
- # 67685130
- Maximum load is 2500 N

### Horizontal use

All Strut rails with standard hole pattern can be used, preferably 41 x 21 x 2,5 or 41 x 41 x 2,5. You can build your own length of horizontal support.

### Vertical use

Strut rails 41 x 21 can be used as H-construction for light weights, the adapter is not necessary, just push the rail into the body of BIS Yeti® 130.

## Applications



■ Duct Support



■ Pipe Support



■ Cable Tray Support



■ Step-overs / Walkways

# BIS UltraProtect® 1000

## Optimal protection

- All applied surface treatments effortlessly withstand a salt spray test of at least 1000 hours\*
- Suitable for corrosive environments (C1–C4 in accordance with ISO 12944-2)



## Better than Hot Dip Galvanizing

- Higher corrosion resistance: 1000 hours\* versus 300 – 600 hours (with a layer thickness of 50 – 80 µm)
- Threaded products are also well protected
- Products feel smooth and are also visually appealing



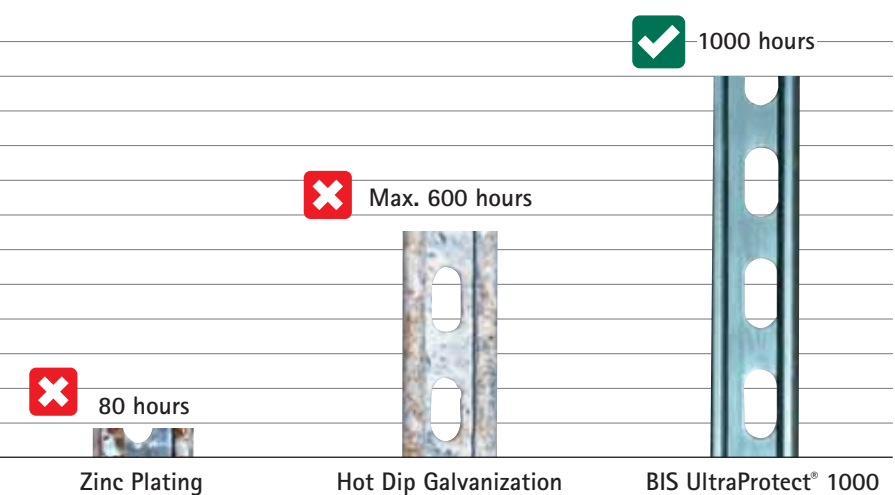
\*Until the occurrence of maximum 5% red rust.

## Complementary system

- The products in the BIS UltraProtect® 1000 System combine together perfectly
- Can also be combined with zinc plated, pre-galvanized or hot dip galvanized products



## The proof after 1000 hours salt spray test





## Corrosion resistance

- C1 - C4 / ISO 12944-2


## Salt spray test

- 1000 hour / ISO 9227

## Complementary system

- Perfect combination with other products



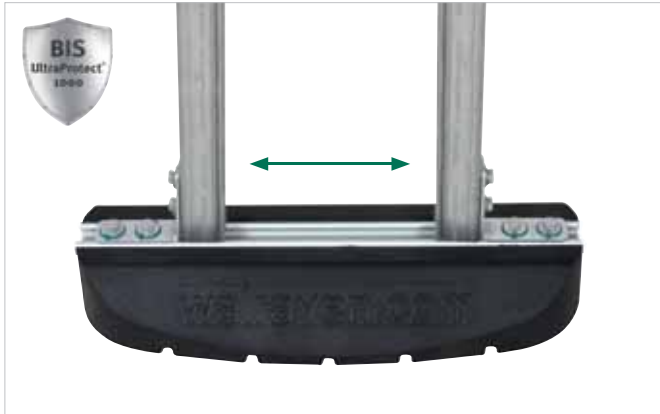
A photograph of an industrial facility, likely a water treatment plant. In the foreground, two large, horizontal, light-colored pipes are supported by a dark metal frame. The frame consists of vertical posts and horizontal beams. The pipes are secured to the frame with metal clamps. The entire structure sits on a bed of white gravel. In the background, more industrial equipment, including pipes and structural steel, is visible under a clear sky.

*For supporting small  
pipework systems, ductwork  
runs and cable trays*



# BIS Ursus Foot

For linear installation systems



- For linear installation with BIS RapidStrut® System

## Technical data

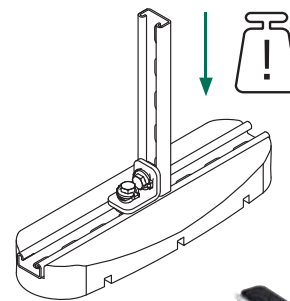
- Material: vulcanized rubber, black
- Resistant to UV and chemical influences

1. BIS Ursus 250 x 130 mm - # 67687250
2. BIS Ursus 400 x 130 mm - # 67687400
3. BIS Ursus 600 x 200 mm - # 67687601

## Maximum allowed loads\*

The maximum allowed load is tested on a flat concrete surface under straight load. For technical support or advice on these products applied to anything other than concrete floors please contact our project engineers.

*\* In combination with BIS RapidStrut® Rail.*



Fa,z  
1.000 N (# 67687250)  
2.000 N (# 67687400)  
3.000 N (# 67687601)

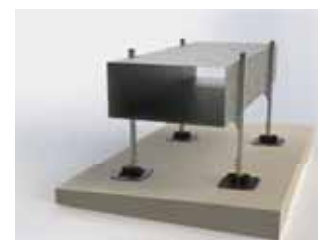
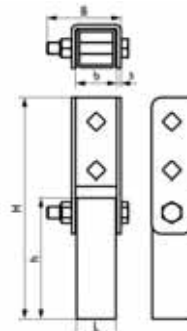


# BIS Yeti® 335 Hinge

For Rooftop Installations

## Features and benefits

- Adjustable connector for rails
- Fully flexible in angle and direction due to rotatable insert in Yeti 335
- Material: steel 1.0332
- Suitable for in- and outdoor application



## Technical data

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🌐 walraven.com

Part No.	L	B (mm)	H (mm)	h (mm)	b (mm)	s (mm)
67685414	40	70	228	125	42	4

## Find out how we can support you

Would you like to find out more about any of the solutions described in this brochure?

Or would you like to discuss how we could help you find the best possible solution for your project? Get in touch today!

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