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Order no.: REF-30313890

Modular roof working platform

Specification

Business division	Sector	Type	Height
MUNK Günzburger Steigtechnik	Rail vehicles	mobile	adjustable

Facts

- Walkway: Length: max. 40 m (segment platform length variable 5,210 / 6,060 mm)
- Walkway: width: 800 / 1,050 mm (different widths depending on segment) - plus 300 mm fold-down angle
- Walkway: Platform height min.: 3,000 mm
- Walkway: Platform height max.: 3,700 / 4,500 mm
- Chassis: Swivel castors: Ø 200 mm, 4 per segment
- Chassis: Support spindles: 4 per segment
- Chassis: Chassis beam width: 990 / 1,250 mm
- Walkway: Decking: Aluminium ribbed (R9)
- Railing: Height: 1,100 mm
- Railing: Aluminium tube: Ø 40 mm

Description

Client's Request and Task

The project goal was to develop a modular roof working platform, specifically designed for maintenance work on train roofs. The construction had to ensure flexible adaptability in the length dimension while allowing user-friendly assembly. It was essential to create a working environment that prioritizes ergonomics and safety for the maintenance personnel. Additionally, the working platform had to offer stability and reliability while complying with the relevant standards to meet our client's high requirements.

Customer Requirements

- Roof working platform for maintenance work on train roofs
- Modular adaptability in length for various train types

We reserve the right to make technical changes and price changes.

- Railing: rigid design
- Railing: safety gate: frontal, spring-loaded
- Vario stairs: Vertical height max.: 4,500 mm
- Vario stairs: Vertical height min.: 3,000 mm
- Vario stairs: Total width: 1,300 mm
- Vario stairs: Step width: 800 mm
- Vario stairs: Step depth: 240 mm
- VarioStairs - Chassis: Swivel castors (4 pieces): Ø 125 mm
- VarioStairs - Chassis: Mobile beam width: 1,250 mm
- Vario stairs: Handrail: Rigid on left and right long side
- Vario stairs: Tread: Aluminium ribbed (R9)
- Surface load: 1.5 kN/m²
- Total load: 500 kg
- Step load: 150 kg
- User-friendly construction for easy handling
- Ergonomic working conditions to minimize strains
- Standard-compliant and stable construction for maximum safety and reliability

Our Solution

Modular Working Platform System
We developed a system consisting of two roof working platforms, which can be positioned on both the left and right sides of a train. Each side consists of four individual modules and three insert platforms, which can be extended to a total length of up to 40 meters without a staircase.

Flexibility and Adaptability
The platform height can be manually adjusted in 100 mm increments using a hand crank and a toothed rack, which enables customised height adjustment. The individual modules are equipped with a trolley so that they can be easily positioned and adjusted.

Safety Features and Ergonomics
The roof working platform offers optimal safety through fall protections, such as self-closing safety doors and foldable as well as telescopic railings at the front and back. Additionally, the support frames are clad with perforated sheet metal, providing extra protection and simultaneously reinforcing the structure.

Accessibility and Protection
Accessibility is ensured by variostairs, which are protected from unauthorized access by an enclosure with a self-closing door. The foldable angle on the train-facing longitudinal side protects the train from damage and provides a safe and comfortable work area for the personnel.

Technical Specifications and Construction
With a variable platform length of up to 40 metres and an adjustable platform height of 3,000 mm to 4,500 mm, our solution meets the technical requirements for a wide range of train types.

Stability and load capacity are guaranteed with a surface load of 1.5 kN/m² and a total load of 500 kg.

Conclusion
Our innovative modular roof working platform represents a precise and standard-compliant solution, specifically tailored to the client's needs. It offers a flexible, safe, and ergonomic work environment, enhancing the efficiency of maintenance processes and protecting personnel from hazards. The ability to adapt to various train types and easy handling make the platform an indispensable tool in modern railway maintenance.

More product pictures

Added value

Trust in us as your competent partner in the field of individual access equipment solutions. We are industry leaders from analysis to conception and design to first-class after-sales service.

★ Analysis

We set standards in the evaluation of access equipment requirements. Our experts take sufficient time to understand your specific needs. After a thorough analysis, we will present you with a tailor-made design that is perfectly tailored to your individual circumstances. Rely on us to identify your challenges and solve them in an innovative way.

★ Concept

We are leaders in the planning of special designs. With creativity, technical know-how and a deep understanding of access equipment, we develop pioneering concepts. Our experienced team designs outstanding solutions that meet the highest safety standards and maximise your efficiency and ergonomics. Let yourself be impressed by our competence and innovative strength.

★ Design

We set the bar high in design. Our engineers and production planners have unique specialist knowledge and many years of experience in the field of access equipment. With the latest technologies and high-quality materials we realise your concept down to the smallest detail. Precision and quality are the first priority – for your special designs that meet the highest demands.

★ Production

In our modern production halls at our headquarters in Günzburg, we can implement your planning and wishes professionally and efficiently. Our specialists in access equipment, electronics and mechanics always have only one thing in mind: Quality that delivers what it promises. That's why every design, whether large or small, is manufactured with the highest quality and precision and thoroughly tested before shipment.

From decades of experience, we know that individual requirements require special solutions. That's why we are here to help you realize your custom construction.

Get inspired by our reference products and make your unique idea a success. We look forward to supporting your project with our expertise and dedication. Contact our competent team for more information and assistance.

With MUNK Group by your side, your custom construction becomes a reality: Safety. Made in Germany.

What we offer

- On-site consultation and project planning
- Custom development according to your requirements
- Precision manufacturing
- Functional and cost-effective access solutions
- Maximum workplace safety
- Fast delivery
- Compliance with all relevant German, English, and international standards and regulations, such as BetrSichV, DGUV regulations, Machinery Directive 2006/42/EC

Open contact form

★ After sales

Our commitment does not end with the completion of the special design. We are unbeatable in after-sales service. With assembly, maintenance, testing and repairs, we ensure that your special design always remains in perfect condition. Our reliable team provides you with superior customer service and ensures that your satisfaction is first and foremost.

MUNK
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Corporate certifications

Standards for quality and sustainability

Nachhaltigkeit
EcoVadis
sustainable supply management
CSR-Rating in Silber 2022