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Order no.: REF-30186076

Working platform with electrically adjustable railings, partially mobile

Specification

Business division	Sector	Type	Height
MUNK Günzburger Steigtechnik	Commercial vehicles	partly mobile	fixed

Facts

- Walkway: Platform length (PFL): 7,450 mm
- Walkway: Platform width (PFB): 2,350 mm
- Walkway: Platform height upper edge (PFH): 1,700 mm (railing in lowered position 1,700 mm high (level with PFH)
- Walkway: Total length (L): 7,600 mm
- Walkway: Total width (B): 2,500 mm
- Walkway: total height (H): 2,800 mm
- Stairs: Step width: 1,000 mm
- Stairs: Tread: Aluminium grooved
- Stairs: Inclination: 45°
- Stairs: Handrail left rigid (lower section): flush with last step
- Stairs: Folding handrail left (upper section): folds with longitudinal railing

Description

Client's Request and Task

Our client required a specialized work platform for the maintenance and servicing of armored tracked and wheeled vehicles. The focus was on the need to securely and ergonomically place the turret of an armored vehicle along with its weapon on a steel frame in the center of the platform for adjustment works. The challenge lay in the spatially confined conditions and the demand for a flexible, safe, and standard-compliant solution for the surrounding work on the weapon system.

Customer Requirements

- Partially mobile work platform for maintenance of military vehicles
- Connectable platform segments for flexible work areas

- Stairs: Fastening: Fixing brackets at the bottom, approx. 30 pieces
- Stair railing: Right long side can be lowered with linear motor
- Stair railing: Both ends can be lowered with linear motor
- Stairs / special feature: Contour cut-out right long side: 500 mm long, 210 mm wide, measured 1,450 mm from the start of the platform
- Working platform: Platform length (PFL): 7,450 mm
- Working platform: Platform width (PFB): 2,350 mm
- Working platform: Platform height top edge (PFH): 1,700 mm
- Working platform: Overall width (B): 2,400 mm
- Working platform: Chassis: 3 support frames with swivel castors Ø 160 mm and ideal stop
- Working platform: Decking: Grooved aluminium
- Working platform railing: Right long side can be lowered with linear motor
- Working platform railing: Both ends can be lowered with linear motor
- Working platform / special feature: Contour cut-out left long side: 500 mm long, 210 mm wide, measured 1,450 mm from the start of the platform
- Total width of the structure: 8,509 mm with control box
- Total length of the structure: 9,747 mm
- Surface load: 150 kg / m²
- Total load: 500 kg
- Step load: 150 kg
- Number of persons: 3
- Electrically lowerable railings for positioning of the tank turret
- Ergonomic and safe working environment for personnel
- Stable, reliable construction that meets current standards
- Space-saving design for tight hall conditions

Our Solution

Rigid and Mobile Work Platform Concept
The development of a rigid catwalk system with an attached, mobile work platform, which can be coupled when needed, offers the required flexibility. Accessibility is ensured through a staircase-like entrance with a non-slip aluminum covering and a functional catwalk construction made of stable individual modules.

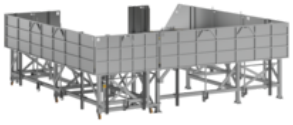
Technical Execution and Adaptation
The work platform features electrically lowerable railings, operated by linear motors, to easily position the tank turret. An innovative system of connectors allows for quick connection of the platform segments. To ensure the highest level of safety, the platform was designed without struts underneath and with protective perforated sheets on the railings.

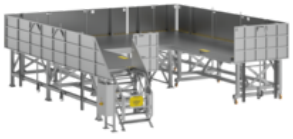
Operation and Safety Systems
The control box, positioned at the staircase entrance, is equipped with all necessary control and safety elements, including emergency stop and a fault indicator for maximum operational safety. Additional security is provided by a safety remote control with a handheld transmitter for emergency stop and a wireless safety receiver module.

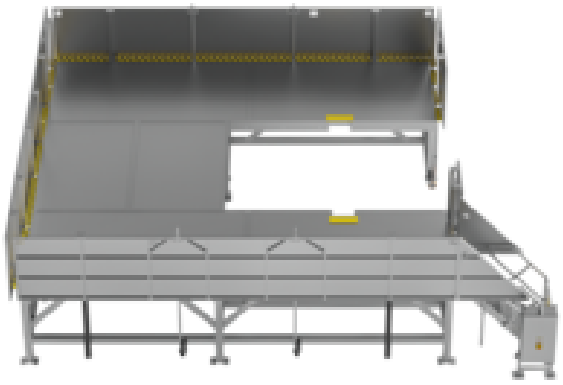
Specifications and Load Capacity
The catwalk and platform were designed for a surface load of 150 kg/m² and a total load of 500 kg, meeting the customer's requirements for stability and reliability. The overall dimensions allow for good maneuverability within the maintenance hall despite the size.

Conclusion
Our tailor-made solution meets and exceeds the specific requirements of the customer. The partially mobile and connectable work platform with electrically adjustable railings ensures that maintenance and servicing work on military vehicles can be carried out safely, ergonomically, and in compliance with standards. The high flexibility and adaptability of the construction enable an efficient workflow that optimally utilizes the space in the hall while ensuring the safety of the maintenance personnel.

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
Sicherheit. Made in Germany.

Corporate certifications

Standards for quality and sustainability

Nachhaltigkeit
EcoVadis
sustainable supply management
CSR-Rating in Silber 2022