

Order no.: REF-30186076

Working platform with electrically adjustable railings, partially mobile



Specification

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

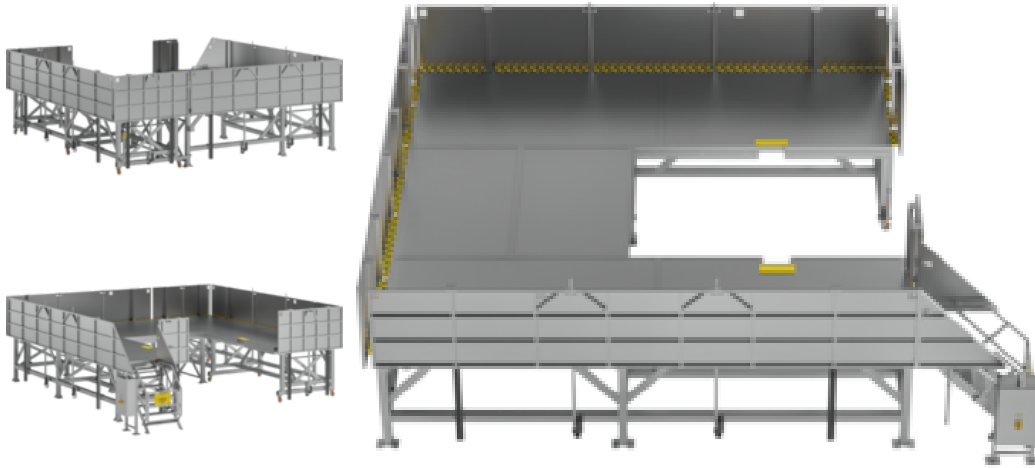
Conclusion

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.

Information on sustainability criteria

- Corporate certification: ISO 9001
- Corporate certification: EN 1090
- Corporate certification: EcoVadis
- RoHS
- REACH
- The MUNK Group complies with a Code of Conduct
- The Supply Chain Act does not apply due to our size
- The materials used are listed in the technical specification
- Resource-saving production: own photovoltaic systems
- Energy-efficient consumption during production: LED lighting
- Repairability, durability and quality: 15-year warranty on series products made in Germany
- Recyclability: Our products are mostly made of aluminium, steel or wood and can be fed directly into the recycling process.
- Socially acceptable working conditions in production: fair wages, gender equality
- Economical and recyclable packaging: no use of polystyrene, predominantly use of wood and cardboard, small amounts of plastic
- No health hazards for the users

More product pictures



Added value



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

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Corporate certifications

on sustainability criteria

