



Order no.: REF-30198548

## Mobile work platform with safety cage

### Specification

Business division <b>MUNK Günzburger Steigtechnik</b>	Sector <b>Rail vehicles</b>	Type <b>mobile</b>	Height <b>adjustable</b>
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### Facts

- Platform 1 (rigid): Platform length (PFL): 3,660 mm
- Platform 1 (rigid): Platform width (PFB): 850 mm
- Platform 1 (rigid): Platform height (PFH): 1,800 mm
- Platform 1 (rigid): Decking: Steel grating R13
- Platform 2 (height-adjustable): Platform length (PFL): 3,660 mm
- Platform 2 (height-adjustable): Platform width (PFB): 850 mm
- Platform 2 (height-adjustable): Platform height max. (PFHmax): 5,000 mm
- Platform 2 (height-adjustable): Platform height min. (PFHmin): 3,900 mm

### Description

#### Client's Request and Task

Our client, a public transport operator, faced the challenge of optimizing maintenance and repair work on different types of trams. The focus of the customer's needs was on ergonomic and safe work design for the maintenance staff and compliance with all relevant legal regulations and standards. Additionally, high mobility within the workshops was required, with the work platform needing to be adaptable to various tram models.

#### Customer Requirements

- Ergonomic and safe work environment for employees on a mobile work platform
- Stable, reliable, and standard-compliant execution
- Flexible use with different types of trams

- Platform 2 (height-adjustable): Adjustment range (V): 1,100 mm
- Platform 2 (height-adjustable): Decking: Steel grating R13
- Safety cage: Length (SKL): 3,660 mm
- Safety cage: Width (SKB): approx. 2,000 mm
- Safety cage: Height (LH): approx. 600 mm
- Safety cage: Long side designed to be pluggable; can be clamped with 2 telescopic support legs
- Working platforms can be used individually or together
- Stairs: Platform length 1 (PFL1): 830 mm
- Stairs: Platform length 2 (PFL2): 630 mm
- Stairs: Platform width (PFB): 650 mm
- Stairs: Platform height top (PFH1): 1,800 mm
- Stairs: Platform height top (PFH2): 5,000 mm
- Stairs: Step width (SB): 600 mm
- Stairs: Step depth (ST): 240 mm
- Stairs: Projection (A): approx. 4,200 mm
- Stairs: Inclination (W): 60 °
- Stairs: Covering: Steel grating R12
- Surface load: 1.50 kN/m<sup>2</sup>
- Total load: 500 kg

- Use of corrosion-resistant aluminum alloys
- Compliance with all relevant regulations, guidelines, standards, laws, and recommendations

## Our Solution

### Modular Work Platform with Safety Basket

To meet the client's requirements, we developed a mobile work platform with an integrated safety basket. The construction consists of two support frames that carry a lower rigid and an upper height-adjustable platform. The platforms are designed for high load capacity and offer ample space for tools and materials.

### Flexible Adjustment and Ergonomics

The upper platform can be continuously adjusted using a threaded spindle and hand crank to accommodate the varying heights of the trams. The stable, two-flight staircase with a handrail allows for safe ascent. A foldable side safety basket provides additional fall protection and allows two platforms to be connected to extend the work area.

### Safety and Mobility

The mobile frame is equipped with four robust casters, each with locking brakes, ensuring safe positioning of the platform. Self-closing safety doors and rigid railings enhance work safety. Rubber strips on the side facing the product serve as impact protection and prevent damage to the trams.

### Technical Specifications

The platforms are made of non-slip steel grating and are designed to accommodate a surface load of 1.50 kN/m<sup>2</sup> and a total load of 500 kg. The height-adjustable platform offers an adjustment range of 1100 mm, allowing for ergonomic working at various heights.

### Conclusion

The mobile work platform with a safety basket meets all the requirements set by the customer

for flexibility, safety, and ergonomics. It is specifically designed for the maintenance and repair of trams and supports efficient and standard-compliant work. The use of high-quality materials and thoughtful construction ensures the product's long life and reliability.

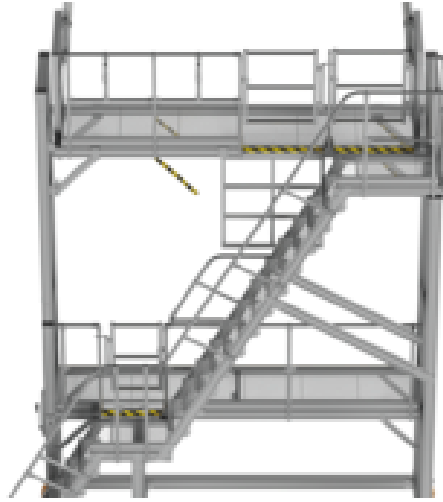
## Information on sustainability criteria

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- 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

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## Added value

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**Trust us as your competent partner for tailored access equipment solutions. From analysis and design to construction and premium after-sales service, we are the industry leader.**

### ★ Analysis

We set the benchmark when it comes to evaluating access equipment requirements. Our experts take the time to fully understand your specific needs. Following a thorough analysis, we present a customised solution precisely tailored to your individual circumstances. Rely on us to identify your challenges and provide innovative solutions.

### ★ Design

We lead the way in planning bespoke solutions. With creativity, technical expertise, and a deep understanding of access equipment, we develop groundbreaking concepts. Our experienced team designs outstanding solutions that meet the highest safety standards while maximising efficiency and ergonomics for you. Let our expertise and innovative strength impress you.

### ★ Construction

In construction, we set the bar high. Our engineers and production planners possess unique expertise and extensive experience in access equipment. Using state-of-the-art technologies and high-quality materials, we realise your design down to the smallest detail. Precision and quality are our top priorities, ensuring bespoke solutions that meet the highest demands.

### ★ Production

At our modern production facilities in Günzburg, we professionally and efficiently bring your plans and requests to life. Our specialists in access equipment, electronics, and mechanics focus on one thing: quality that delivers on its promises. Every construction, big or small, is crafted with the utmost care and precision and rigorously tested before shipping.

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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★ **After Sales**

Our commitment doesn't end with the completion of your bespoke solution. We excel in after-sales service. Through assembly, maintenance, inspections, and repairs, we ensure your customised access equipment remains in perfect condition. Our reliable team offers top-tier customer service, ensuring your satisfaction is always our priority.



## Corporate certifications

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on sustainability criteria



Management System  
ISO 9001:2015  
ISO 14001:2015  
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**Nachhaltigkeit**  
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