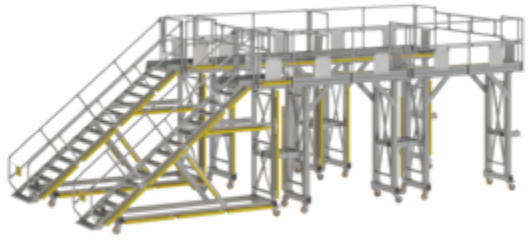
MUNK
Sicherheit. Made in Germany.



Order no.: REF-30243146

Platform stairs, mobile and linkable, with end railing

Specification

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

Facts

- Platform stairs: Platform length (PFL): 1,230 mm
- Platform stairs: Platform width (PFB): 1,050 mm / 850 mm
- Platform stairs: Platform height top edge (PFH): 2,800 mm
- Platform stairs: Total width (B): approx. 1200 / 1050 mm
- Platform stairs: Step width (SB): 1,000 mm / 800 mm
- Platform stairs: Step depth (ST): 300 mm
- Platform stairs: Inclination (W): 38°
- Platform stairs: Projection (A): approx. 4,200 mm
- Platform stairs: With safety gates

Description

Client's Request and Task

A manufacturer of fully electric city buses required a specialized work platform for battery replacement. The requirements included a platform ladder with a special inclination for comfortable ascending and descending, a modular structure for different vehicle sizes, foldable railings for crane transport of the batteries, as well as an ergonomic and safe working environment for the employees. Additionally, a stable, reliable, and standard-compliant execution was essential.

Customer Requirements

- Work platform for battery replacement in electric city buses
- Modular and ergonomic platform ladder
- Foldable railings for crane operations

- Platform steps - Chassis: Fixed castor on support section Ø 160 mm with Ideal Stop
- Platform steps - Chassis: Swivel castor on the steps (1) Ø 160 mm
- Platform steps - Chassis: Flush beam width (FB)
- Platform stairs - Chassis: Castors for concrete floor
- Platform stairs: Decking: Aluminium grooved
- Platform stairs: Handrail and balustrade: rigid, only balustrade front side pluggable
- Platform stairs: Rubber protection tube on the long side rails and the long sides of the platform (on both sides)
- Surface load: 1.5 kN/m²
- Step load: 150 kg
- Platforms: Platform length (PFL): 3,060 mm
- Platforms: Platform width (PFB): 1,050 mm / 850 mm
- Platforms: Platform height top edge (PFH): 2,800 mm
- Platforms: Overall width (B): 1,150 mm / 1,050 mm
- Platforms - Chassis: 4 swivel castors Ø 160 mm with Ideal Stop
- Platforms - Chassis: Flush chassis beam width (FB)
- Platforms: Railing: side facing away from bus rigid, from height 550 mm knee rail can be folded inwards, front side with holder for plug-in railing; side facing the bus with rubber protection strip
- Total load: 300 kg
- Stable and standard-compliant construction

Our Solution

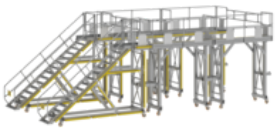
Modular Platform Ladder
We developed two platform ladders and four mobile platforms that can be coupled using hook tensioners. Each platform features a gap plate for transition and additionally includes two attachable, telescopic railings, as well as four plug-in railings at the front of each platform. The stairs and platforms offer a comfortable inclination of 38° and are equipped with safety doors.

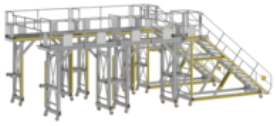
Technical Details
The platforms of the platform ladders have a length of approximately 1200 mm and widths of approximately 1000 mm and 850 mm, with a platform height of 2800 mm. The platforms are 3060 mm long and available in widths of 1050 mm and 850 mm, with a total width of 1150 mm and 1050 mm. Both constructions are designed for a surface load of 1.5 kN/m² and can bear up to 150 kg per step.

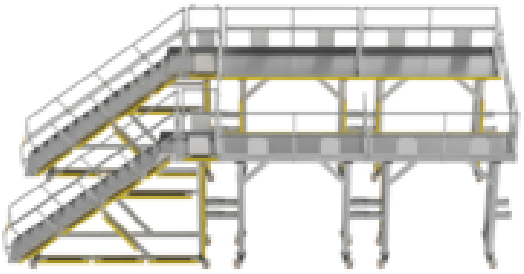
Safety and Comfort Features
All platforms and stairs are equipped with a chassis with wheels suitable for concrete floors. The railings are partially foldable and equipped with rubber protection tubes to prevent damage to the vehicle. The decking is made of ribbed aluminum.

Conclusion
The mobile and connectable platform ladder offers a flexible, safe, and ergonomic solution for battery replacement in electric city buses. With its modular design, adaptable railings, and stable construction, it effectively supports maintenance work and contributes to the enhancement of occupational safety.

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