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Order no.: REF-30265425

L-shaped staircase, double-flight with support section

Specification

Business division	Sector	Type	Height
MUNK Günzburger Steigtechnik	Buildings and outdoor facilities	stationary	fixed

Facts

- Platform width (PFB): 1,050 mm
- Platform length (PFL 2): 2,650 mm
- Platform height top edge 1 (PFH1): 1,500 mm
- Platform height top edge 2 (PFH2): 4,432 mm
- Clearance height: 3,967 mm (platform support)
- Step width (SB): 1,000 mm
- Step depth (ST): 240 mm
- Step width (SB 1/2): 1,000 mm
- Inclination (W): 45°
- Projection PF1 incl. steps (2): 4,000 mm
- Projection (A): 6,650 mm
- Decking: Steel grating (R12)
- Handrail (1/2) and guardrail: Rigid left and right long sides

Description

Client's Request and Task

A concrete plant required a specially adapted access staircase to the mixing room that seamlessly integrates into the existing steel structure. The assembly was to be carried out by the client themselves, so clear assembly instructions were necessary. The staircase needed to be ergonomic, safe for employees, and stable, reliable, as well as compliant with standards.

Customer Requirements

- Adaptation to the existing steel structure
- Access staircase to the mixing room in the concrete plant
- Ergonomic and safe design
- Stable, reliable, and standard-compliant execution

- Surface load: 1.5 kN/m²
- Total load: 300 kg
- Step load: 150 kg

Our Solution

Design of the L-Shaped Staircase
The staircase was designed as a double-flight construction in an L-shape with a supporting section. It consists of two staircases and two platforms. The first staircase, with a 45° inclination, leads to the lower platform, followed by the second staircase, offset by 90°, leading to the upper platform. Both staircases are equipped with steps 1000 mm wide and a handrail on both sides.

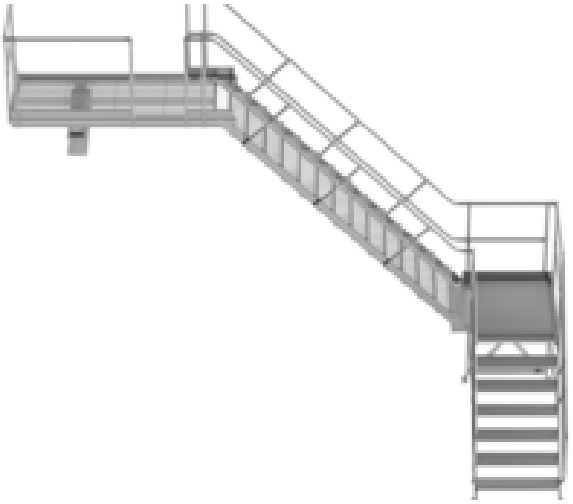
Technical Details and Assembly
The platform width is 1050 mm, with the second platform length being 2650 mm. The heights of the platforms are 1500 mm and approximately 4400 mm, respectively. The steps have a depth of 240 mm, and the projections of the platforms including the stairs are approximately 3000 mm and approximately 6650 mm, respectively. The staircase and the support part are fixed to the ground with angle brackets, while the upper platform is fixed to the client's object with an angle bracket.

Safety Aspects and Load Capacity
The decking is made of steel grating (R12) and ensures a surface load of 1.5 kN/m². The maximum total load is 300 kg, and the step load is 150 kg. The railing on the second platform features cutouts for the transition to the client's object, providing the highest safety.

Conclusion
The custom-made L-shaped staircase offers an optimal solution for access to the mixing room in the concrete plant. With its ergonomic design, easy assembly, and high safety, it effectively supports work processes and contributes to the safety of the employees.

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