



Order no.: REF-30265425

L-shaped staircase, double-flight with support section

Specification

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

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

- Handrail (1/2) and guardrail: Rigid left and right long sides
- Surface load: 1.5 kN/m²
- Total load: 300 kg
- Step load: 150 kg

- Stable, reliable, and standard-compliant execution

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.

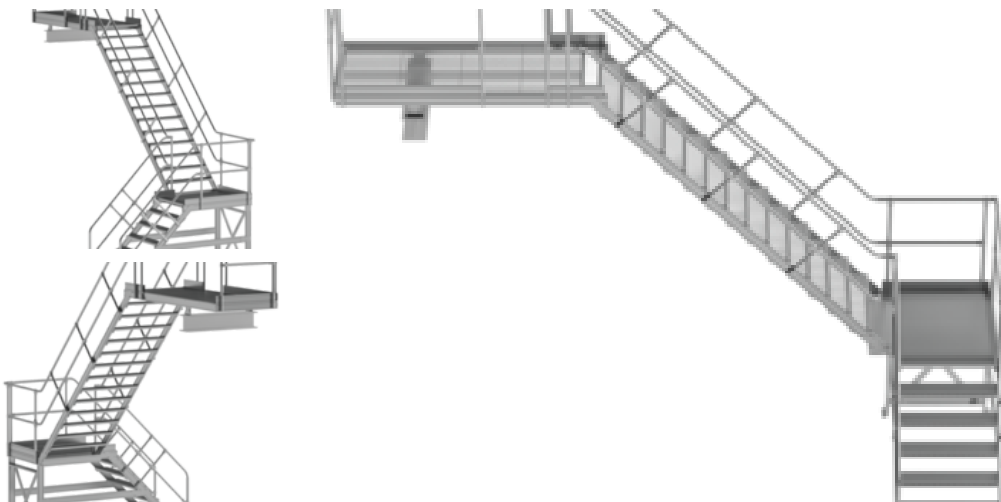
Conclusion

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.

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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