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Order no.: 500230

Multiple-flight vertical ladder with back protection (emergency ladder) anodised aluminium

Climbing height [mm]

10920	11760	13160	14000	15120	15960
16800	17640	18760			

Specification

Climbing height 10.92 m	Ladder length incl. exit side-rail 12.12 m	Outer width 520 mm	Clear width 470 mm	Depth of side-rails 60 mm
Max. load capacity 150 kg	Intended use Emergency ladder systems	Design type Multiple-flight	Material Anodised aluminium	Business division MUNK Günzburger Steigtechnik
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Facts

- Range of application: Emergency ladder systems are building structures that, in the event of danger, allow capable persons to rescue themselves or allow other persons to be rescued.
- Irrespective of the climbing height:
- Safety railing is not permitted for use as fall protection

- Always consult the relevant fire protection authority when planning emergency ladder systems and, in particular, access protection
- Proof of the load-bearing capacity of the underlying surface must be provided for each construction project by a responsible stability expert
- At unsecured exit points, railings attached to both sides of the vertical ladder or led into the exit level are required
- Gap at exit step must not be larger than 75 mm
- In case of potential drop heights of more than 1 m, holding devices have to be fitted on exits, entries and bridges
- For lateral bridging steps, the ladder sections must run at a higher level
- Step-on dimension: Distance between entry level and first rung: 100–400 mm; uppermost rung flush with the entry level
- The clearances between the vertical ladder system and the railing must not exceed 120 mm
- Release mechanism for emergency descent ladder via foot-operated lever or safety barrier
- A vertically movable ladder section is only permitted with the lowest section of ladder. This extendible ladder section must automatically drop into place before it is stood on. In the lowered state, the rungs of the extended ladder section and the lowest ladder section must be at the same height
- Access platforms must cover the entire access opening (e.g. window width) as access options on emergency ladder systems
- The vertical overlap of successive ladder flights must be at least 1,680 mm
- Climb-through openings inside balconies as well as access openings in balcony walls must be secured to prevent anyone from falling. The technical design must ensure that the function is permanently guaranteed
- The emergency vertical ladder should end in load-bearing and secured areas intended for escape routes leading out of the danger areas

Scope of supply

- Ladder section anodised aluminium: 1 x
- Ladder section anodised aluminium: 4 x
- Exit side-rail straight: 2 x
- Rigid wall anchor 200 mm, galvanised steel: 18 x
- Ø 700 mm back protection hoop: 8 x
- Back protection brace for fixed ladders: 19 x
- Back protection hoop offset design: 2 x
- Transfer platform between ladder sections, Ø 700 mm: 1 x
- Vertical ladder connector 200 mm: 6 x

More product pictures







Added value

Rational modular principle

- Prefabricated vertical ladders and the possibility of combining them yourself offer the right solution for every project
- The highly stable fastening technology of the important back protection increases the economic efficiency
- Each individual component in the modular kit system meets the same quality and efficiency requirements



Mounting and fastening

- Thanks to the optimised assembly system, even complex and multiple-flight systems can be assembled with up to 30 percent time savings
- For ready-made vertical ladders, the appropriate mounting sets are already included, the modular kit system offers numerous fastening options (please also order)
- Adjustable wall anchors for complex façades or walls with full thermal insulation



Various material versions

- Depending on the application, vertical ladders made of galvanised steel, stainless steel, aluminium and anodised aluminium are available
- Wall anchors and other mounting materials are available in several materials
- Robust, durable, efficient



Safely to your destination

- Convenient platforms for rest breaks or easy changeover with staggered vertical ladders
- Exits and access ladders for safe ascent and descent
- Lockable doors, wall anchors and other accessories for different structural conditions



Optimum planning

- Practical planning aids (available as Downloads) with tips for correct planning of vertical ladder systems
- Planning in close coordination with the client as well as the place and purpose of use
- Joint project planning



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Corporate certifications

Standards for quality and sustainability

Nachhaltigkeit
EcoVadis
sustainable supply management
CSR-Rating in Silber 2022