MUNK
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Order no.: 520100

Single-flight vertical ladder with back protection galvanised steel

Climbing height [mm]

4760 | 5600 | 6440 | 7280 | 8400 | 9520

Specification

Climbing height 4.76 m	Ladder length incl. exit side-rail 5.96 m	Outer width 520 mm	Clear width 470 mm	Depth of side-rails 60 mm
Max. load capacity 150 kg	Wall distance 200 mm	Design type Single-flight	Material Galvanised steel	Business division MUNK Günzburger Steigtechnik
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Facts

- Single-flight vertical ladders according to DIN 18799-1/-3, DIN 14094-1 and DIN EN ISO 14122-4: Additional components, such as exit steps, railing and safety doors, may be required depending on the exit situation on site. These components are not included as a complete kit and need to be ordered separately.
- Irrespective of the climbing height:

- Either back protection or safety railing can be used as fall protection (combination not permitted as the rescue of persons is then hindered by the back protection)
- The need for an occupational medical examination for suitability for working at height (e.g. G 41) depends on the risk assessment (e.g. total climbing height, type of safety railing) of the respective vertical ladder systems
- Proof of the load-bearing capacity of the underlying surface must be provided for each construction project by a responsible stability expert
- The vertical overlap of successive ladder flights must be at least 1,680 mm
- 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
- Step-on dimension: Distance from entry level to the first rung 100–400 mm
- When exiting forwards, the uppermost rung must be at the height of the exit side-rail
- Vertical ladders with fall protection require at least 800 × 800 mm clear space available in front of the ladder when climbing off it. These dimensions must also be observed for new installations in the existing system
- These dimensions should also be complied with for new installations in the existing system
- The clearances between the vertical ladder system and the railing must not exceed 180 mm
- The connection to the fall protection must be established and released from a secured standing position
- For safe gripping of the side-rails, the clearance to adjacent parts around the side-rails must be at least 75 mm (except for components forming part of the vertical ladder system)

Scope of supply

- Ladder section galvanised steel: 1 x
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- Exit side-rail straight: 2 x
- Rigid wall anchor 200 mm, galvanised steel: 6 x
- Ø 700 mm back protection hoop: 3 x
- Back protection brace for fixed ladders: 5 x
- Vertical ladder connector 200 mm: 2 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