



Order no.: 520231

Multiple-flight vertical ladder with back protection (machinery) galvanised steel

Climbing height [mm]

10920	11760	13160	14000	15120
15960	168000	17640	18760	

Specification

Climbing height 10.92 m	Ladder length incl. exit side-rail 12.12 m	Outer width 520 mm	Depth of side-rails 60 mm	Max. load capacity 150 kg
Intended use on machinery	Design type Multiple-flight	Material Galvanised steel	Weight 228 kg	Business division MUNK Günzburger Steigtechnik
Article no. 520231	Price € 4,145.00			

Facts

- Range of application: Access to machinery and mechanical systems.
- Irrespective of the climbing height:
- As a safety railing, back protection is preferable to fall protection (combination is not permitted as the rescue of persons is 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
- Barrier (safety door) is always required
- If required by the access situation, vertical ladders with fall protection must be fitted with suitable protective devices (e.g. steel lockable door) to prevent unauthorised use
- For lateral bridging steps, the ladder sections must run at a higher level
- The overlap of the back protection must be at least 2,000 mm for multiple-flight ladders.
- 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 60 – 75 mm
- Step-on dimension: Distance from entry level to the first rung 100–400 mm. The top edge of the uppermost rung must be at the same height as the walking surface of the exit point
- The clearances between the vertical ladder system and the railing must not exceed 120 mm
- The connection to the fall protection must be established and released from a secured standing position
- A secured standing position is, for example, a platform with railing and a secured access

Scope of supply

- Ladder section galvanised steel: 5 x
- Exit side-rail straight: 2 x
- Rigid wall anchor 200 mm, galvanised steel: 18 x
- Ø 700 mm back protection hoop: 9 x
- Back protection hoop strut, 3,000mm long: 23 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
- Safety strut for offset version: 1 x

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

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



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



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



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




All [fixed ladders / vertical ladders](#) at a glance:


- [Single-flight vertical ladders](#) in accordance with DIN 18799-1/-3, DIN 14094-1 and DIN EN ISO 14122-4 (depending on the choice of standard and the situation on site at the exit, additional components such as exit steps, railings and safety doors may be required)
- DIN 18799-1: Stationary multiple-flight vertical ladders [on buildings](#)
- DIN 14094-1: Multiple-flight [emergency ladder systems \(emergency ladders\)](#).
- DIN EN ISO 14122-4: Stationary multiple-flight vertical ladders [on machinery](#)

Accessories


 <p>Order no.: 063265 Ladder section galvanised steel</p>	 <p>Order no.: 063243 Exit side-rail straight</p>	 <p>Order no.: 063249 Rigid wall anchor 200 mm, galvanised steel</p>	 <p>Order no.: 063234 Ø 700 mm back protection hoop</p>	 <p>Order no.: 063235 Back protection hoop strut, 3,000mm long</p>
 <p>Order no.: 063963 Back protection hoop offset design</p>	 <p>Order no.: 063961 Transfer platform between ladder sections, Ø 700 mm</p>	 <p>Order no.: 061236 Vertical ladder connector 200 mm</p>	 <p>Order no.: 063274 Safety strut for offset version</p>	 <p>Order no.: 019118 Perforated rung, bright steel</p>
 <p>Order no.: 068239 Connecting brace</p>	 <p>Order no.: 063257 Wall anchor U- bracket, rigid</p>	 <p>Order no.: 063259 Wall anchor U- bracket, rigid</p>	 <p>Order no.: 063263 Wall anchor U- bracket, adjustable, 165– 205 mm, galvanised steel</p>	 <p>Order no.: 063260 Wall anchor U- bracket, adjustable, 200– 275 mm, galvanised steel</p>




Order no.: 063267
Wall anchor U-bracket, adjustable, 275-375mm, galvanised steel




Order no.: 063275
Wall anchor U-bracket, adjustable, 375-500 mm, galvanised steel




Order no.: 063250
Wall anchor, adjustable, 165-205 mm, galvanised steel




Order no.: 063262
Wall anchor w. Clamping bracket, adjustable, 215-275 mm, galvanised steel




Order no.: 063261
Wall anchor w. clamping bracket, adjustable 275-375 mm, galvanised steel




Order no.: 063269
Wall anchor w. clamping bracket, adjustable 375-500 mm, galvanised steel




Order no.: 063270
Special wall bracket, adjustment range 500-600mm, galvanised steel




Order no.: 063271
Special wall bracket, adjustment range 600-700mm, galvanised steel




Order no.: 063272
Special wall bracket, adjustment range 700-800mm, galvanised steel




Order no.: 063273
Special wall bracket, adjustment range 800-900mm, galvanised steel



Order no.: 077530
Fall protection rail 1,40m with connecting strap, galvanised steel



Order no.: 077531
Fall protection rail 1,96m with connecting strap, galvanised steel



Order no.: 077532
Fall protection rail 2,80m with connecting strap, galvanised steel



Order no.: 063049
Exit side-rail angled



Order no.: 063050
Exit side-rail with railing attachment



Order no.: 063253
Ground attachment for base plate



Order no.: 063502
Safety doors without fall protection rail



Order no.: 063500
Safety barrier



Order no.: 063966
Exit step galvanised steel



Order no.: 063967
Exit step galvanised steel



Order no.: 063968
Exit step galvanised steel



Order no.: 063969
Exit step galvanised steel



Order no.: 063970
Exit step galvanised steel



Order no.: 063237
Back protection hoop lateral exit



Order no.: 063277
Back protection extension



Order no.: 063507
Roof parapet bridge with safety door and fall protection rail



Order no.: 063971
Exit step suitable for safety doors with fall protection rail galvanised steel




Order no.: 063972
Exit step suitable for safety doors with fall protection rail galvanised steel




Order no.: 063973
Exit step suitable for safety doors with fall protection rail galvanised steel




Order no.: 063974
Exit step suitable for safety doors with fall protection rail galvanised steel




Order no.: 063975
Exit step suitable for safety doors with fall protection rail galvanised steel




Order no.: 063506
Safety door with fall protection rail




Order no.: 061445
Access protection access ladder




Order no.: 070550
Access guarding Enclosure




Order no.: 063497
Access guard locking door




Order no.: 063499
Access guard can be hooked in




Order no.: 060941
Extension platform




Order no.: 060943
Extension platform




Order no.: 060951
Extension platform




Order no.: 060952
Extension platform




Order no.: 060942
Base platform 800 x 800 mm




Order no.: 060950
Base platform 1,000 x 1,000 mm



Order no.: 019176
Inventory sticker



Order no.: 019175
Inspection sticker



Order no.: 019007
Identification plate for fall protection device

Corporate certifications

on sustainability criteria

