



Order no.: 520230

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

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	Depth of side-rails 60 mm	Max. load capacity 150 kg
Intended use Emergency ladder systems	Design type Multiple-flight	Material Galvanised steel	Weight 203 kg	Business division MUNK Günzburger Steigtechnik
Article no. 520230	Price € 3,697.00			

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 galvanised steel: 1 x
- Ladder section galvanised steel: 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 hoop strut, 3,000mm long: 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

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



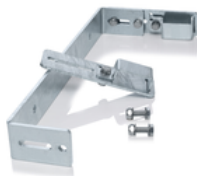
Various material versions

- 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

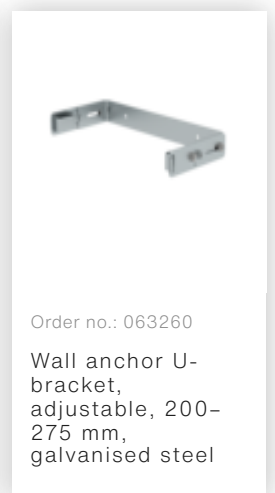
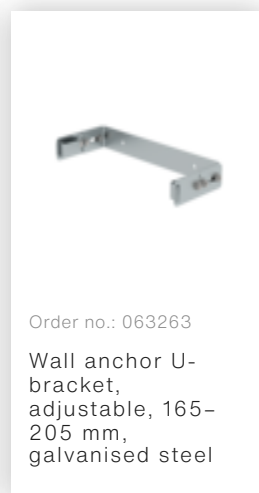
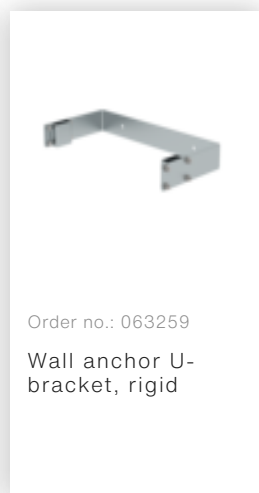
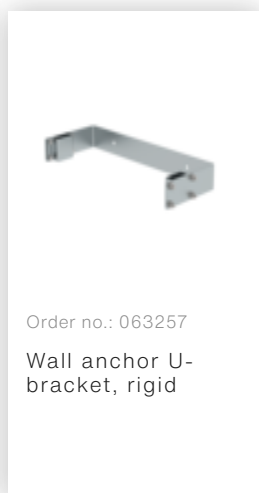
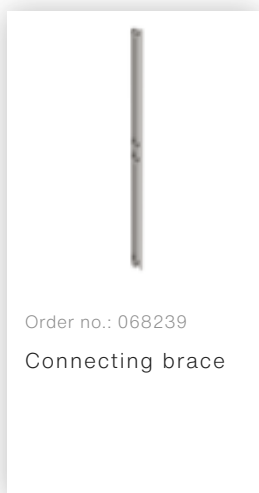
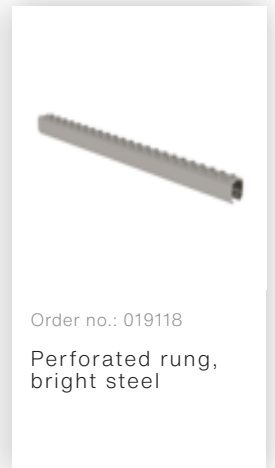
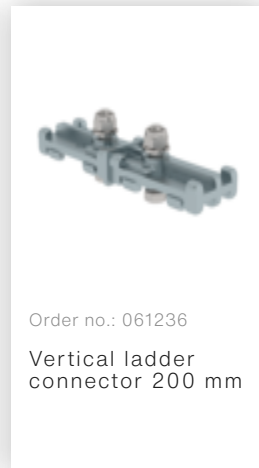
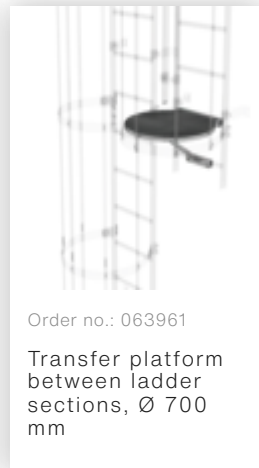
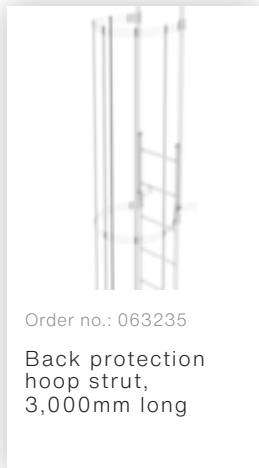
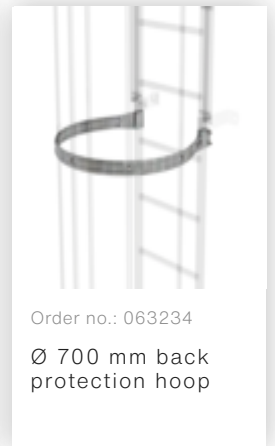
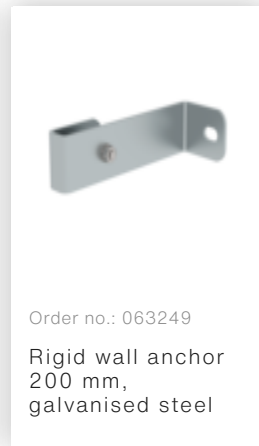
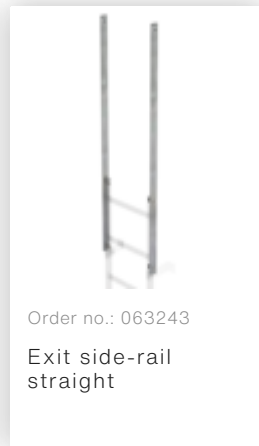
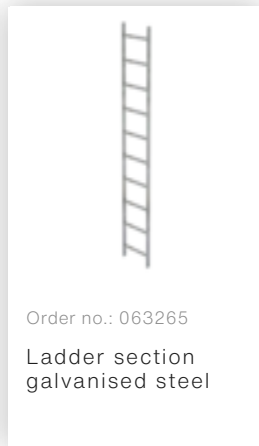
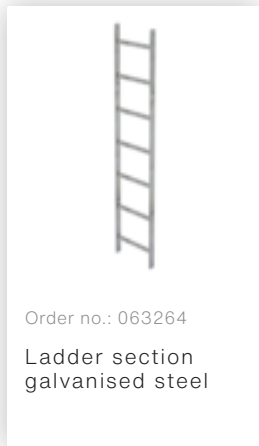
- Practical planning aids (available as [Downloads](#)) with tips for correct planning of vertical ladder systems
- Planning in close coordination with the client as well as the place and purpose of use
- Joint project planning



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





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.: 063183

Roof parapet bridge galvanised steel special length



Order no.: 063184

Roof parapet bridge galvanised steel special length



Order no.: 063185

Roof parapet bridge galvanised steel special length



Order no.: 063502

Safety doors without fall protection rail



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.: 068277

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.: 062446

Access guard emergency exit ladder



Order no.: 063504

Safety barrier for emergency descent ladder



Order no.: 063505

Safety barrier for emergency descent ladder



Order no.: 063962

Rotating access protection unit



Order no.: 019176

Inventory sticker



Order no.: 019175

Inspection sticker



Order no.: 060941

Extension platform



Order no.: 060943

Extension platform



Order no.: 060951

Extension platform



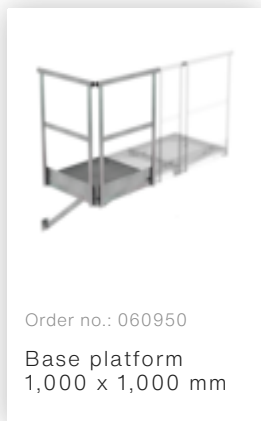
Order no.: 060952

Extension platform



Order no.: 060942

Base platform 800 x 800 mm



Order no.: 060950

Base platform
1,000 x 1,000 mm

Corporate certifications

on sustainability criteria

