Safety Ladders: Made of Aluminium Cover Plate

Cover Plate, aluminium
For aluminium Y-Spar and Twin Ladder. Comes without ladder section. Prevents unauthorized people from climbing the front, or the rear of the ladder (brackets are covered as well). Opens laterally. Hinges can be switched on-site. If not specified different, hinges are fixed at left side. Complete with stainless steel fixings and cylinder lock. Length: 2500 mm, Width: 523 mm. Total width (when coverplate opened): 991 mm. For brackets with projection of = 150 mm. Smaller projections or custom made cover plates upon request.

Weight: 28.0 kg/each
Hinge on left side
Part No. 21683
Hinge on right side
Part No. 21759

Cost for mounting cover plate onto a vertical Söll Aluminium ladder by Söll.
Part No. 16368
Replacement key
Part No. 17478

Technical specifications are subject to change without notice.
Safety Ladders: Made of Aluminium
PivotLoc Foldable ladder system - Söll’s latest innovation

**Design Principle:**
PivotLoc is a vertical fall protection access system with unique design features: By pulling out the locking bolt, the side stiles and rungs can be closed or opened. When the ladder is closed, it has a slim and unobtrusive profile. When open, the PivotLoc becomes a rigid, reliable ladder incorporating a Söll fall protection system. When in the closed position, the foldable ladder, in the same way as the cover plate, prevents unauthorised use of the system.

**PivotLoc:**
The dimensions of the foldable ladder are: length 2800mm, width 500mm, (195mm when shut). The rung distance is 280 mm. It must be locked open or shut with a padlock. The brackets should be fixed on the pivot points of the rungs. For the projection of the mounting brackets, pls. refer to page A 24a. The foldable ladder can be used combined with all type of ladders. The ladder is complete with arresting device, end stop, recess (entry point), connection part and lateral handles. The System also includes a stainless steel clamp that is used to insert a padlock.

**Anodised aluminium to be connected to aluminum ladders**
Weight: 12,0 kg/each
Part No. 23193

**Anodised aluminium to be connected to steel ladders**
Weight: 12,0 kg/each
Part No. 23281

Technical specifications are subject to change without notice.
Safety Ladders: Made of Aluminium
Planning aid foldable ladder as an alternative to the cover plate.
Safety Ladders: Made of Aluminium

PivotLoc Foldable ladder system - Projection of the mounting brackets

When using the foldable ladder PivotLoc (1) combined with the steel ladder (3), the projection \( L \) of the mounting brackets (2) for the foldable ladder must be 27mm shorter.

When using the foldable ladder PivotLoc (1) combined with the aluminum ladder (4) (fixation on the back) the projection \( L \) of the mounting bracket (2) for the PivotLoc ladder must be 8,5mm shorter.

When using the foldable ladder PivotLoc (1) combined with the aluminum ladder (4) (mounting by means of the arresting blocks), than the projection \( L \) of the mounting brackets (2) for the foldable ladder must be 30mm shorter.
Safety in Action Fall Protection Systems

Safety Ladders: Made of Aluminium Cover Plate

Cover Plate, steel
For aluminium ladders with width 150 mm.
Comes without ladder section. Prevents unauthorized people from climbing the ladder.
Comes with padlock. Length: 2000 mm.

Cover Plate with handles
Weight: 16.0 kg/each
Part No. 11354
Safety Ladders: Made of Aluminium

**Cable Holder**
To retain cables behind the guide-rail. To be fixed to the back of the rail. Comes with installation elements. Fits to tube-type towers only. If loaded equally, a cable holder can be burdened with a max. of 12.5 kg. The total load of the cables cannot exceed 35 kg/m.

Weight: 0.6 kg/each  
Part No. 10531

**Turntable**
For safe transfer from vertical to horizontal. Made of stainless steel plate and aluminium rail section. Please specify the profile of the horizontal and vertical guide-rail.

Weight: 2.6 kg/each  
Hot Dip Galvanized steel

- **Bending radius horizontal guide rail**
  > 1000 mm  
  Part No. 15299

- **Bending radius horizontal guide rail**
  < 1000 mm  
  Part No. 20793

Cost for mounting turntable onto a Y-Spar Aluminium  
Part No. 16884

- Factory installation of turntable onto a twin ladder available on request at additional cost.
Safety Ladders: Made of Aluminium
PivotLoc Foldable Ladder system: SÖLL’s latest innovation

**Design Principle:**
By pulling out the locking bolt, the side stiles and rungs can be closed or opened. The closed ladder is slim and unobtrusive. When open, the PivotLoc becomes a rigid, reliable ladder incorporating a Söll fall protection system. The foldable ladder, in the same way as the cover plate, prevents unauthorised use of the system.

**PivotLoc 1. Ladder section:**
Made of anodised aluminium, profile 52X33 mm. With arresting device, end stop, recess (entry point), connection part and lateral handles. Fixing distance: 1400 mm recommended, 1680 mm maximum. The brackets should be fixed onto the pivot point of the rungs. Maximum manufacturing length: 4480 mm. Rung distance: 280mm. Delivery includes a stainless steel clamp which enables insertion into a padlock.

Weight: 4.0 kg per metre
Part No.
ZALKLAPP-<ladder length in mm>-A

**PivotLoc Prolongation Section**
Made of anodised aluminium, profile 52x33 mm. With connection part. Fixing distance: 1400mm recommended, 1680mm maximum. The brackets should be fixed onto the pivot point of the rungs. Maximum manufacturing length 4480 mm, rung distance 280mm.

Weight: 4.0 kg per metre
Part No.
ZALKLAPP-<ladder length in mm>

**Fixed end stop**
It prevents from taking out the fall arrester from the top of the foldable ladder. Complete with all fixing elements.

Stainless steel, pickled
Weight: 0.1 kg/each
Part No. 23205

**Assembling aid**
Serves to arrest the extension section during assembling.

Stainless steel, pickled
Weight: 0.5 kg/each
Part No. 23206

Technical specifications are subject to change without notice.
Safety Ladders: Made of Aluminium
Planning aid for foldable ladder (multi part)
Safety Ladders: Made of Aluminium

Mounting bracket with adjustable projection
Projection: 120 mm up to 160 mm.
Comes with all installation elements. To be used for mounting turntable Part No. 15299 only. For adjustable bracket for latter mounting see page A 8.

Weight: 1.6 kg/each
Galvanized steel
Part No. 10867
Stainless steel, pickled
Part No. 11591

Mounting bracket with adjustable projection
Projection: 160 mm up to 200 mm.
Comes with all installation elements. To be used for mounting turntable Part No. 15299 only. For adjustable bracket for latter mounting see page A 8.

Weight: 1.8 kg/each
Galvanized steel
Part No. 10869
Stainless steel, pickled
Part No. 15250
Safety Ladders: Made of Aluminium
Entering device

For safe entry into manholes. The device is inserted into the female coupling on the top of the guide-rail in the manhole. This device can be moved from one manhole ladder to another.

Aluminium
Weight: 4.5 kg/each
Part No. 17410

Female Coupling for Entering Device

This device is fixed to the top of the guide-rail in the manhole.

Stainless steel, pickled
Weight: 0.8 kg/each
Part No. 16191
Safety Ladders: Made of Aluminium Accessories

Roundabout
For a safe transfer between two different vertical climbing routes without disconnecting the fall arrester from the guide-rail or the climber. Projection of the climbing way 150mm. Minimum mast diameter: 200 mm. Maximum mast diameter: 1000 mm, maximum turning off-set 200°. Comprising two horizontal rods which enables the transfer of the guide-rail section together with the fall arrester to the other ladder. Made of galvanized steel with aluminium guide-rail section. Comes with all fixing elements. For added safety and ease of movement, we recommend fitting a hand-rail section (Part No. HL) and an open steel flooring transfer platform (Part No. UP). Please specify mast diameter, offset angle, projection and ladder type.

Weight: depending on dimensions, approx. 25 kg.

For mast diameter from 200 to 350 mm
Part No. 16612

For mast diameter from 351 to 500 mm
Part No. 18697

For mast diameter from 501 to 700 mm
Part No. 18698

For mast diameter from 701 to 1000 mm
Part No. 18699

Installation example
Roundabout with handrail and transfer platform.

Roundabouts for climbing ways with special projections are available upon request.
Safety Ladders: Made of Aluminium

Handrail
Ideal for use with roundabout. Can also be used on its own. Minimum mast diameter: 90 mm. Made of galvanized steel. Complete with mounting elements. Please specify mast diameter and offset angle.

Weight: depending on dimensions.
Part No. HL-<segment size>-<Ø in mm>

Transfer Platform
Ideal for use with roundabout. Can also be used on its own. Minimum mast diameter: 100 mm. Made of galvanized steel. Complete with mounting elements. Please specify mast diameter and offset angle.

Weight: depending on dimensions.
Part No. UP-<segment size>-<Ø in mm>
Safety Ladders: Aluminium Brackets

**Male-bracket with insertion aid**
For use with female clamp without lock (Part No. BES-OA). Projection: 130 mm. Comes with all installation elements.

Galvanized steel
Weight: 1.2 kg/each
Part No. 10779

**Male-lock-bracket**
For use with female clamp with integrated lock (Part No. BES-MA). Projection: 130 mm. Comes with all installation elements.

Galvanized steel
Weight: 1.0 kg/each
Part No. 14981

**Male-bracket**
For use with female clamp without lock (Part No. BES-OA). Projection: 130 mm. Comes with all installation elements.

Galvanized steel
Weight: 1.0 kg/each
Part No. 14982

**Fixed wall bracket**
For retention of insertion suspension ladder - lockable. With hole Ø 11 mm drilled for pad lock

Galvanized steel
Weight: 1.5 kg/each
Part No. 15772

Technical specifications are subject to change without notice.
Safety Ladders: Made of Aluminium Brackets

**Female-Clamp without lock**
Please specify mast diameter when ordering.
- Mast diameter: min. 80 mm
- Mast diameter: max. 1500 mm

**Galvanized steel**
- Part No. BES-OA-<Ø in mm>
- Wall and corner mounting brackets on request.

**Female-Clamp with integrated lock**
To be used in conjunction with clamp Part No. 14981 only. Please specify mast diameter when ordering.
- Mast diameter: min. 80 mm
- Mast diameter: max. 1500 mm

**Galvanized steel**
- Part No. BES-MA-<Ø in mm>
- Wall and corner mounting brackets on request.
Engineering advice for insertion ladder

Technical specifications are subject to change without notice.
Engineering advice for insertion ladder (ladder supplied in sections) 4 sections - total length max. 8 m
Safety Ladders: Made of Aluminium Brackets

Tube clamp with projection
Only for use in conjunction with connector Part N. 17261. Length (L) depends on location of ladder installed (not to exceed 200 mm). When ordering specify tube diameter, type of ladder and mounting bracket for existing ladder.
Mast diameter: min. 60 mm
Mast diameter: max. 220 mm
Stainless steel
Part No. BES-MAL-Ø in mm>
Wall and corner mounting bracket on request.

Connector for insertion ladder
Stainless steel
Weight: 0.9 kg/each
Part No. 17261

Connector
for insertion ladder. For installation from below. Complete with screws for ladder installation.
Aluminium, anodized
Weight: 0.4 kg/each
Part No. 16624
Engineering advise for insertion ladder
Mounting from below

Technical specifications are subject to change without notice.
Installation considerations for tubular poles

Always keep the following details in mind when specifying a Söll Y-spar fall arrest system for tubular poles:

- diameter of each tubular section \( (D_1, D_2, D_3) \)
- length of each specific tube section \( (L_1, L_2, L_3) \)
- diameter of flanges \( \text{Diameter}_{\text{Flange 1}}, \text{Diameter}_{\text{Flange 2}} \)

The above information is required to properly determine and select projection of brackets and possibly required curves of a system.

Should the poste have components installed that may hinder or influence the installation of the fall arrest system, such details also need to be considered when determining the design and features and components of the Söll Y-spar fall arrest system.
Safety Ladders: Made of Aluminium
Temporary Insertion Ladder Systems - Innovation for roof site access

Design Principle:
The temporary insertion ladder section is used for vertical climbing where the access is interrupted in certain areas: e.g. running a ladder through a skylight. To access the site, the skylight is opened, the temporary ladder element is inserted between the two permanent ladder sections and the roof can be safely accessed.

Movable ladder section
Made of anodised aluminium. Profile 52x51mm. To be used i.e. by passing skylights. Delivery comprehends the holder as well as all necessary coupling parts. The ladder section with bolt has to be ordered separately.

Weight: 8,0 kg/each
Part No. 22404

Y-Spar Ladder with bolt
Made of anodised aluminium. Profile 52x51. With coupling part at the top and bolt to insert the movable ladder section below. (Pls. See also description of Y-Spar page A1).

Weight: 0,9 kg/each
Part No.
YAL-<ladder length in mm>-VERB
Safety Ladders: Made of Aluminium
Planning aid for the movable ladder section