Söll GlideLoc®
Aluminium Ladders

- Vertical fall protection system
- Certified according to EN 353-1:2002 and CNB/P/11.073
Söll GlideLoc®
Aluminium ladders

Y-spar
- Profile 52 x 51 mm
- With connector
- Mounting distance: recommended 1,400 mm - max. 1,680 mm
- The bracket is mounted to the ladder through the rectangular cutouts in the back of the guide rail or through the guide rail catch bar
- Max. section length 4,480 mm
- Rung distance 280 mm
- Step width per side 150 mm

Material: Anodised aluminium
Weight: 3.2 kg/m
Part no. YAL-<ladder length in mm>

Twin ladder
- With side rails
- Profile 52 x 51 mm
- With connector
- Mounting distance: recommended 1,400 mm - max. 2,240 mm
- The bracket is mounted to the ladder through the rectangular cutouts in the back of the guide rail or through the guide rail catch bar
- Max. section length 4,480 mm
- Rung distance 280 mm
- Step width per side 150 mm

Material: Anodised aluminium
Weight: 3.5 kg/m
Part no. ZAL-<ladder length in mm>

Subject to technical change. Please follow our maintenance and fitting instructions.
Söll GlideLoc®
Aluminium ladders

Connector
- With safety cover plate
- To connect Y-spar ladders
- Complete with all mounting elements
- Included in the delivery of each Y-spar ladder
- Must be used when an existing Y-spar ladder is cut and reconnected

Material: Anodised aluminium
Weight: 0.1 kg/each
Part no. 17440

Connector with square hole
- With safety cover plate
- To connect Y-spar ladders
- Can be used in connection with mounting bracket
- Recess in Y-spar ladder must be increased to accommodate size M12
- Complete with all mounting elements

Material: Anodised aluminium
Weight: 0.22 kg/each
Upper square mounting hole
Part no. 21458
Lower square mounting hole
Part no. 22096

Set of connectors
- To connect twin ladders
- Complete with all mounting elements
- Included in the delivery of each twin ladder
- Must be used when an existing twin ladder is cut and reconnected

Material: Anodised aluminium
Weight: 0.25 kg/each
Part no. 21876

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Subject to technical change. Please follow our maintenance and fitting instructions.
Fixing points for aluminium Y-spar and twin ladders
Recommended mounting distance 1,400 mm - max. 1,680 mm or 2,240 mm

End of ladder run

With reinforcement
Without reinforcement

Ladder joint
Mounting bracket

connector

Max. 4480

Min. 1000

Max 2205

Min 1120

Max 1680 (YAL)

Max 2240 (ZAL)

Note:
For design reasons, the guide rail of the ladder must be reinforced if, at the end of the ladder run, the guide rail rises more than 525 mm (dimension A) above the last mounting bracket. Projections of more than 525 mm without extra reinforcement are not permitted. The guide rail reinforcement is bolted onto the guide rail from the back at a distance of 560 mm and must extend down over at least two mounting brackets. It must not extend beyond a ladder joint.

Aluminium ladders are subject to temperature-dependent variation of length, which is approximately twice the variation of supporting frameworks made of steel or concrete. In order to avoid stress on the ladder fixings, minimum gap widths should be observed for the ladder joints.

The following ladder lengths are available upon request:

- 560 mm 2.800 mm
- 840 mm 3.080 mm
- 1,120 mm 3.360 mm
- 1,400 mm 3.640 mm
- 1,680 mm 3.920 mm
- 1,960 mm 4.200 mm
- 2,240 mm 4.480 mm
- 2,520 mm

Subject to technical change. Please follow our maintenance and fitting instructions.
Bending of aluminium ladders

**Required information for planning:**

<table>
<thead>
<tr>
<th>Bending Y-spar ladder, aluminium</th>
<th>Part no.</th>
<th>YAL-&lt;type&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bending twin ladder, aluminium</td>
<td>Part no.</td>
<td>ZAL-&lt;type&gt;</td>
</tr>
</tbody>
</table>

**Length of ladder section to be bent**

<table>
<thead>
<tr>
<th>Type 1</th>
<th>Type 2</th>
<th>Type 3</th>
<th>Type 4</th>
<th>Type 5</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Diagram" /></td>
<td><img src="image2.png" alt="Diagram" /></td>
<td><img src="image3.png" alt="Diagram" /></td>
<td><img src="image4.png" alt="Diagram" /></td>
<td><img src="image5.png" alt="Diagram" /></td>
</tr>
</tbody>
</table>

- **A** = Bottom edge of ladder to salient point of structure (mm)
- **B** = Offset (mm)
- **C** = Angle (max. 15°)
- **D** = Bottom edge to centre of obstruction (mm)
- **E** = Width of obstruction (mm)
- **F** = Upper edge of ladder to offset (mm)
- **G** = Offset (max. 260 mm)

**NB:**

The smallest bending radius for aluminium ladders is 3,000 mm

The extent of the bending depends on the bending radius and angle (type 1 + 2) or offset (type 3 - 5).
The surcharge for bending is calculated by bending type and offset.
Söll GlideLoc® aluminium ladders

End-stops

End-stop, top/bottom
- Prevents the fall arrester from either being inserted incorrectly or accidentally slipping out of the guide rail
- Complete with all mounting elements

Material: Stainless steel, pickled
Weight: 0.3 kg/each
Part no. 26026

Rigid end-stop
- Prevents the fall arrester from being taken out of the guide rail
- Complete with all mounting elements

Material: Stainless steel, pickled
Weight: 0.2 kg/each
Part no. 11634

End-stop, top/bottom side
- Prevents the fall arrester from either being inserted incorrectly or accidentally slipping out of the guide rail
- Complete with all mounting elements
- Used for:
  Ladder projection < 150 mm
  Mounting with reinforcement

Material: Stainless steel, pickled
Weight: 0.2 kg/each
Part no. 27138

Subject to technical change. Please follow our maintenance and fitting instructions.

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Söll GlideLoc® aluminium ladders
Mounting elements

Open bracket
- Complete with mounting elements for fixing to ladder
- Wall attachment must be drilled to suit site conditions. Minimum bolt diameter M16

Material: Anodised aluminium
Weight: See table
Part no. See table

<table>
<thead>
<tr>
<th>Projection (mm)</th>
<th>Bolt diameter of structure</th>
<th>Weight (kg/each)</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>M16</td>
<td>0.9</td>
<td>14673</td>
</tr>
<tr>
<td>150</td>
<td>M24</td>
<td>0.9</td>
<td>16874</td>
</tr>
<tr>
<td>160</td>
<td>M16</td>
<td>1.0</td>
<td>15141</td>
</tr>
<tr>
<td>160</td>
<td>M24</td>
<td>1.0</td>
<td>21233</td>
</tr>
<tr>
<td>170</td>
<td>M16</td>
<td>1.0</td>
<td>15143</td>
</tr>
<tr>
<td>170</td>
<td>M24</td>
<td>1.0</td>
<td>27127</td>
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<tr>
<td>180</td>
<td>M16</td>
<td>1.1</td>
<td>15146</td>
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<tr>
<td>180</td>
<td>M20</td>
<td>1.1</td>
<td>24735</td>
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<td>180</td>
<td>M24</td>
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<td>24682</td>
</tr>
<tr>
<td>190</td>
<td>M16</td>
<td>1.1</td>
<td>15148</td>
</tr>
<tr>
<td>190</td>
<td>M24</td>
<td>1.1</td>
<td>22072</td>
</tr>
<tr>
<td>200</td>
<td>M16</td>
<td>1.2</td>
<td>15150</td>
</tr>
<tr>
<td>200</td>
<td>M24</td>
<td>1.2</td>
<td>25237</td>
</tr>
<tr>
<td>210</td>
<td>M16</td>
<td>1.2</td>
<td>17352</td>
</tr>
<tr>
<td>210</td>
<td>M20</td>
<td>1.2</td>
<td>24736</td>
</tr>
<tr>
<td>220</td>
<td>M16</td>
<td>1.3</td>
<td>10519</td>
</tr>
<tr>
<td>220</td>
<td>M24</td>
<td>1.3</td>
<td>21375</td>
</tr>
</tbody>
</table>

Closed bracket
- Complete with mounting elements for fixing to ladder
- Wall attachment must be drilled to suit site conditions. Minimum bolt diameter M16
- Variable mounting distance possible by moving and turning the bracket as required

Material: Anodised aluminium
Weight: See table
Part no. See table

<table>
<thead>
<tr>
<th>Projection (mm)</th>
<th>Bolt diameter of structure</th>
<th>Weight in kg/each</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>M16</td>
<td>0.7</td>
<td>10566</td>
</tr>
<tr>
<td>150</td>
<td>M20</td>
<td>0.7</td>
<td>22246</td>
</tr>
<tr>
<td>150</td>
<td>M24</td>
<td>0.7</td>
<td>16867</td>
</tr>
</tbody>
</table>

Note:
Projection 'L' depends on the type of bracket.

Subject to technical change. Please follow our maintenance and fitting instructions.

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Söll GlideLoc® aluminium ladders
Mounting elements

Closed bracket
- Complete with mounting elements for fixing to ladder
- Wall attachment must be drilled to suit site conditions. Minimum bolt diameter M16
- Variable mounting distance possible by moving and turning the bracket as required
- Projection 220 mm
Material: Anodised aluminium
Weight: 0.7 kg/each
M16
Part no. 21443
M24
Part no. 26204

Bracket
- Consists of two bracket halves
- Complete with mounting elements for fixing to ladder
- Wall attachment must be drilled to suit site conditions. Minimum bolt diameter 2 x M12
- Variable mounting distance possible by moving and turning the bracket as required
- Projection 220 mm
Material: Anodised aluminium
Weight: 0.7 kg/each
Part no. 10521
Söll GlideLoc® aluminium ladders
Mounting elements

**Clamp**
- Projection up to 1,000 mm possible
- Complete with mounting elements for fixing to ladder
- Please indicate the exact mast diameter ‘D’ and projection ‘L’ when placing the order
- Material thickness ‘z’ of clamp halves:
  - Up to Ø 210 mm ‘z’ = 6 mm
  - From Ø 220 mm ‘z’ = 8 mm
- Mast diameter:
  - Min. 60 mm
  - Max. 1,500 mm

<table>
<thead>
<tr>
<th>Projection L (mm)</th>
<th>Total height H (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>201-250</td>
<td>135</td>
</tr>
<tr>
<td>251-300</td>
<td>185</td>
</tr>
<tr>
<td>301-350</td>
<td>235</td>
</tr>
</tbody>
</table>

**Material:**
- Steel, hot-dip galvanised
- Part no. BS-STS-Ø in mm

**Part no. BS-A4S-Ø in mm**
- Material: Stainless steel, pickled
- Not shown:
  - Reinforced clamp without support strut
    - Projection from 130 mm to 400 mm possible
    - Mounting on catch bar
    - Complete with mounting elements for fixing to ladder
    - Please indicate the exact mast diameter ‘D’ and projection ‘L’ when placing the order

<table>
<thead>
<tr>
<th>Projection L (mm)</th>
<th>Total height H (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>201-250</td>
<td>135</td>
</tr>
<tr>
<td>251-300</td>
<td>185</td>
</tr>
<tr>
<td>301-350</td>
<td>235</td>
</tr>
</tbody>
</table>

**Weight:**
- Depends on mast diameter and projection

**Material:**
- Steel, hot-dip galvanised
- Part no. BS-STS-Ø in mm

**Note:** Projection ‘L’ depends on the type of bracket.

Subject to technical change. Please follow our maintenance and fitting instructions.
Söll GlideLoc® aluminium ladders
Mounting elements

Bracket
• With adjustable projection
• Used where ladder bends
• Mounting on catch bar
• Complete with all ladder mounting elements
• Wall attachment must be drilled to suit site conditions, minimum bolt diameter M16

Material: Steel, hot-dip galvanised
Weight: See table
Part no.: BB VSTS-projection in mm> (see table)

<table>
<thead>
<tr>
<th>Projection (mm)</th>
<th>Bolt diameter of structure</th>
<th>Weight (kg/each)</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 - 275</td>
<td>M16</td>
<td>0.7</td>
<td>15563</td>
</tr>
<tr>
<td>200 - 275</td>
<td>M24</td>
<td>0.7</td>
<td>22380</td>
</tr>
<tr>
<td>276 - 350</td>
<td>M16</td>
<td>0.7</td>
<td>15566</td>
</tr>
<tr>
<td>276 - 350</td>
<td>M24</td>
<td>0.7</td>
<td>22378</td>
</tr>
<tr>
<td>351 - 425</td>
<td>M16</td>
<td>0.7</td>
<td>17309</td>
</tr>
<tr>
<td>351 - 425</td>
<td>M24</td>
<td>0.7</td>
<td>22377</td>
</tr>
<tr>
<td>426 - 500</td>
<td>M16</td>
<td>0.7</td>
<td>20832</td>
</tr>
<tr>
<td>426 - 500</td>
<td>M24</td>
<td>0.7</td>
<td>23134</td>
</tr>
<tr>
<td>501 - 575</td>
<td>M16</td>
<td>0.7</td>
<td>21241</td>
</tr>
<tr>
<td>501 - 575</td>
<td>M24</td>
<td>0.7</td>
<td>26119</td>
</tr>
<tr>
<td>576 - 650</td>
<td>M16</td>
<td>0.7</td>
<td>23029</td>
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<tr>
<td>576 - 650</td>
<td>M16</td>
<td>0.7</td>
<td>23030</td>
</tr>
</tbody>
</table>

Note: Projection 'L' depends on the type of bracket.
Söll GlideLoc® aluminium ladders
Mounting elements

 Clamp
• With adjustable projection
• Used where ladder bends
• Complete with all ladder mounting elements
• Please indicate the exact mast diameter and projection range when placing the order
• Mast diameter:
  Min. 60 mm
  Max. 1,500 mm
• Projection ranges:
  L = 250 - 325 mm
  L = 326 - 400 mm
  L = 401 - 475 mm
Material: Steel, hot-dip galvanised
Weight: Depends on mast diameter and projection
Part no. BS-VSTS-<Ø in mm>
Other projections available upon request

Weld-on bracket
• To be welded on site
• Projection 150 mm
• Complete with all mounting elements
• Ensure structure is suitable for welding
Material: Steel, raw
Weight: 1.0 kg/each
Part no. 17254
Material: Steel, hot-dip galvanised
Weight: 1.0 kg/each
Part no. 20848
Other projections available upon request

Note:
Projection 'L' depends on the type of bracket.

Subject to technical change. Please follow our maintenance and fitting instructions.
Söll GlideLoc® aluminium ladders

Mounting elements

Bracket
- For use on tube structures of 20 - 70 mm diameter
- Projection 150 mm
- Complete with all mounting elements
- Support structure must be checked to ensure sufficient strength
- Please indicate the exact tube diameter

Material: Steel, hot-dip galvanised
Weight: 1.8 kg/each
Part no. 11226

Angle corner mounting bracket
- For use on corner struts of lattice masts with angle profile
- Complete with all mounting elements
- Support structure must be checked to ensure sufficient strength

Material: Steel, hot-dip galvanised
For use on corner struts with angle profile up to 100 x 100
Weight: 2.1 kg/each
Part no. 11025

For use on corner struts with angle profile from 110 x 110 to 140 x 140
Weight: 2.4 kg/each
Part no. 14696

For use on corner struts with angle profile from 150 x 150 to 180 x 180
Weight: 2.5 kg/each
Part no. 14698

For use on corner struts with angle profile from 190 x 190 to 220 x 220
Weight: 2.8 kg/each
Part no. 14699

For use on corner struts with angle profile from 230 x 230 to 260 x 260
Weight: 2.9 kg/each
Part no. 14700

Angle corner mounting bracket with cable holder available upon request

Other projections available upon request

Note:
Projection ‘L’ depends on the type of bracket.

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Söll GlideLoc® aluminium ladders
Mounting elements

**Mounting element**
- For diagonal struts on lattice masts on the exterior of the corner strut
- Complete with all mounting elements
- Please indicate strut width

Material: Steel, hot-dip galvanised
Weight: Depends on size
Part no. BB-DA

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**Mounting element**
- For crossings of diagonal struts on lattice masts
- Complete with all mounting elements
- Please indicate the strut width and any filler plate measurements

Material: Steel, hot-dip galvanised
Weight: Depends on size
Part no. BB-DK

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**Mounting element**
- For diagonal struts on lattice masts on the interior of the corner strut
- Complete with all mounting elements
- Please indicate strut width

Material: Steel, hot-dip galvanised
Weight: Depends on size
Part no. BB-DI

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Note:
Projection 'L' depends on the type of bracket.

Subject to technical change. Please follow our maintenance and fitting instructions.
Söll GlideLoc® aluminium ladders

**Footrests**

**Folding footrest**
- Complies with DIN 18799
- For Y-spar and twin ladders with step widths of 150 and 180 mm
- Rung distance 280 mm
- Recommended mounting distance 10 m
- Complete with all mounting elements

<table>
<thead>
<tr>
<th>Material</th>
<th>Steel, hot-dip galvanised</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>4.2 kg/each</td>
</tr>
<tr>
<td>Part no.</td>
<td>23722</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material</th>
<th>Stainless steel, pickled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>4.6 kg/each</td>
</tr>
<tr>
<td>Part no.</td>
<td>26503</td>
</tr>
</tbody>
</table>

**Footrest**
- With working platforms on both sides
- To provide working access adjacent to the ladder
- Footrest and platforms can be folded
- Mounted to the guide rail and mast at the same time
- For use by one person only
- Complete with all mounting elements
- Rung distance 280 mm
- Step width 150 and 180 mm
- Please indicate the following required information:
  - Mast diameter D
  - Projection L

<table>
<thead>
<tr>
<th>Material</th>
<th>Steel, hot-dip galvanised</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>Depends on mast diameter</td>
</tr>
<tr>
<td>Part no.</td>
<td>26534</td>
</tr>
</tbody>
</table>

Stainless steel available upon request

Wall and angle corner mounting bracket available upon request
Söll GlideLoc® aluminium ladders

Footrests

**Footrest**
- With one working platform on left side
- To provide working access adjacent to the ladder
- Footrest and platform can be folded
- Mounted to the guide rail and mast at the same time
- For use by one person only
- Complete with all mounting elements
- Rung distance 280 mm
- Please indicate the following required information:
  - Mast diameter D
  - Projection L

**Material:** Steel, hot-dip galvanised
**Weight:** Depends on mast diameter
**Part no.:** 26543

Stainless steel available upon request
Wall and angle corner mounting bracket available upon request

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**Footrest**
- With one working platform on right side
- To provide working access adjacent to the ladder
- Footrest and platform can be folded
- Mounted to the guide rail and mast at the same time
- For use by one person only
- Complete with all mounting elements
- Rung distance 280 mm
- Please indicate the following required information:
  - Mast diameter D
  - Projection L

**Material:** Steel, hot-dip galvanised
**Weight:** Depends on mast diameter
**Part no.:** 26545

Stainless steel available upon request
Wall and angle corner mounting bracket available upon request

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Subject to technical change. Please follow our maintenance and fitting instructions.
Söll GlideLoc® aluminium ladders

Footrests

Footrest
- Pivotable
- For all aluminium Y-spar and twin ladders
- Complete with all mounting elements

Hinge on left side
Material: Steel, hot-dip galvanised
Weight: 17.5 kg/each
Part no. 15391

Hinge on right side
Material: Steel, hot-dip galvanised
Weight: 17.5 kg/each
Part no. 16547

Stainless steel available upon request

Folding footrest
- Complies with DIN 18799
- For climbways with reinforcement
- Recommended mounting distance 10 m
- Rung distance 280 mm
- Complete with all mounting elements

Material: Steel, hot-dip galvanised
Weight: 4.0 kg/each
Part no. 23980

Stainless steel available upon request

Not shown
Footrest for aluminium ladders with profile 50 x 50 mm

Material: Steel, hot-dip galvanised
Weight: 4.1 kg/each
Part no. 24032
Söll GlideLoc® aluminium ladders

Recess

- For aluminium Y-spar and twin ladders
- To insert and take out the fall arresters
- As the fall protection unit does not have a protective function within the recess, there must be an end-stop (ordered separately) attached above the recess
- The recess may only be at the beginning of the climbway, e.g. near the ground or on platforms with handrails
- A recess must not be used where there is a risk of falling for the user
- If the fall arrester is removed from the climbway course, an exit section has to be used
- At the time of ordering, the part of the ladder with a recess must be marked with an ‘A’ or the notice ‘with recess’
Söll GlideLoc® aluminium ladders
Exit section

Exit section
• To be installed within the climbway
• To remove or insert the fall arrester
• Comes with single-use mounting tool
• For Y-spar and twin ladders

Material: Anodised aluminium
Weight: 2.8 kg/each
Part no. 10550

Factory assembly of the exit section
At the time of ordering, the part of the ladder with the factory assembled exit section must be marked with ‘AV’ or the notice ‘with assembled exit section’. In the case of assembly at the factory, please also specify the installation height.

Please note:
Installation is only possible between two rungs.

Possible installation heights in a ladder section of 4,480 mm:

<table>
<thead>
<tr>
<th>Height from bottom ladder section</th>
<th>Between 2nd and 3rd rung</th>
<th>Between 3rd and 4th rung</th>
<th>Between 4th and 5th rung</th>
<th>Between 5th and 6th rung</th>
<th>Between 6th and 7th rung</th>
<th>Between 7th and 8th rung</th>
<th>Between 8th and 9th rung</th>
<th>Between 9th and 10th rung</th>
<th>Between 10th and 11th rung</th>
<th>Between 11th and 12th rung</th>
<th>Between 12th and 13th rung</th>
<th>Between 13th and 14th rung</th>
<th>Between 14th and 15th rung</th>
</tr>
</thead>
<tbody>
<tr>
<td>490 mm</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>1,050 mm</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>1,330 mm</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>1,610 mm</td>
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• Can be used for rung distance of 280 mm and 250 mm
• The recommended installation height is approx. 1,000 mm above the top edge of the footrest
Söll GlideLoc® aluminium ladders
Rotary exit section

Rotary exit section
• Used for leaving or entering the ladder system safely onto or from the platform behind the ladder
• Rotary exit section can be turned left or right
• Please take total ladder length up to rotary disk into account when ordering
• The top two rungs of the last ladder section must be removed
• Footrest with two individually foldable platforms

With footrest
Material: Anodised aluminium
Weight: 17.0 kg/each
Part no. 10558

Without footrest
Material: Anodised aluminium
Weight: 12.5 kg/each
Part no. 21814

Factory assembly on a ladder section
Part no. 16604

Reinforcement
• Required when the distance between last mounting point and the top end of the ladder exceeds 525 mm
• Must be bolted onto the profile every 560 mm
• Must extend down over at least two mounting brackets
• Complete with all mounting elements
• For Y-spar and twin ladders
• Square tube 50 x 50 x 4 mm

Material: Anodised aluminium
Weight: Approx. 2.0 kg/m
Part no. HV-AL-<length in mm>
Söll GlideLoc® aluminium ladders
Planning aid for rotary exit section

Note:
The reinforcement must
• extend down over two mounting brackets, which must be mounted at a distance of at least 1,120 mm
• be bolted to the ladder every 560 mm

There must be no ladder joints in the area of the reinforcement!

Subject to technical change. Please follow our maintenance and fitting instructions.
Pivoting roof exit

- To be used in confined spaces
- Used for leaving or entering the ladder system safely onto or from the platform behind the ladder
- Hinge can be on left or right side
- Complete with all mounting elements
- To be fixed on the central spar of the ladder
- Top ladder section must be at least 1,400 mm long

Material: Hot-dip galvanised steel
Weight: 33.0 kg/each

Hinge on left side
Part no. 23144

Hinge on right side
Part no. 24946

Subject to technical change. Please follow our maintenance and fitting instructions.
Söll GlideLoc® aluminium ladders
Cover plate

Aluminium cover plate
- For Y-spar and twin ladders
- Without ladder section
- Prevents unauthorised people from climbing the front or the rear of the ladder
- Brackets are covered as well (up to projection 150 mm)
- Opens laterally
- Hinge can be on left or right side
- Hinges can be switched on site
- Stainless steel fixings
- Cylinder lock
- Plate length 2,500 mm
- Width 523 mm
- Width when cover plate is open 991 mm

Material: Anodised aluminium
Weight: 34.2 kg/each

Hinge on left side
Part no. 21683

Hinge on right side
Part no. 21759

Factory assembly on a ladder section
Part no. 16368

Replacement key
Part no. 17478

Cover plate for installation above normal height

Hinge on left side
Part no. 21684

Hinge on right side
Part no. 21685

As an alternative to the cover plate, the PivotLoc foldable ladder system is also possible.
Söll GlideLoc® aluminium ladders
Cover plate

**Steel cover plate**
- For aluminium ladders with step width 150 mm
- Without ladder section
- Prevents unauthorised people from climbing the ladder
- Can be mounted and must be secured with a padlock
- Length 2,000 mm

Material: Steel, hot-dip galvanised
Weight: 17.1 kg/each
Part no. 11354

As an alternative to the cover plate, the **PivotLoc foldable ladder system** is also possible.

Subject to technical change. Please follow our maintenance and fitting instructions.

www.honeywellsafety.com
Söll PivotLoc foldable ladder system

**Principle:**
The ladders can be opened or folded closed. When the ladder is closed, it has a slim and unobtrusive profile. When open, the result is a high-quality ladder with Miller® fall protection. The foldable ladder system prevents unauthorised use of the system in the same way as the cover plate.

**Söll PivotLoc:**
- Length 2,800 mm
- Width 500 mm
- Width when closed 195 mm
- Rung distance 280 mm
- It must be locked open or shut with the padlock
- The brackets must be fixed on the pivot points of the rungs
- The foldable ladder can be used combined with all type of ladders
- The ladder is complete with arresting device, end-stop, recess, connector and side handles
- The system also includes a stainless steel clamp that is used to insert a padlock

**Connection to aluminium ladders**
- Material: Anodised aluminium
- Weight: 12.0 kg/each
- Part no. 23193

**Connection to steel ladders**
- Material: Anodised aluminium
- Weight: 12.0 kg/each
- Part no 23281
  (not shown)
Planning aid for Söll PivotLoc foldable ladder system as an alternative to the cover plate

Subject to technical change. Please follow our maintenance and fitting instructions.
Söll PivotLoc foldable ladder system
Projection of the mounting brackets

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

When using the PivotLoc foldable ladder system (1) combined with the aluminium ladder (4) (mounting through back), the projection ‘L’ of the mounting brackets (2) for the foldable ladder must be 8.5 mm shorter.

When using the PivotLoc foldable ladder system (1) combined with the aluminium ladder (4) (mounting through catch bar), the projection ‘L’ of the mounting brackets (2) for the foldable ladder must be 30 mm shorter.
Söll PivotLoc foldable ladder system

**Design principle:**
The ladders can be opened or folded closed. When the ladder is closed, it has a slim and unobtrusive profile. When open, the result is a high-quality ladder with Miller® fall protection. The foldable ladder system prevents unauthorised use of the system.

**Söll PivotLoc, 1st ladder section:**
- Profile 52 x 33 mm
- With arresting device, end-stop, recess, connector and side handles
- Mounting distance: Recommended
  1,400 mm – max. 1,680 mm
- The brackets must be fixed on the pivot points of the rungs
- Max. section length 4,480 mm
- Rung distance 280 mm
- The system also includes a stainless steel clamp that is used to insert a padlock

Material: Anodised aluminium
Weight: Approx. 4.0 kg/m
Part no. ZALKLAPP-<ladder length in mm>-A

**Söll PivotLoc, extension section:**
- Profile 52 x 33 mm
- With connector
- Recommended mounting distance:
  1,400 mm – max. 1,680 mm
- The brackets must be fixed on the pivot points of the rungs
- Manufacturing length
  max. 4,480 mm
- Rung distance 280 mm

Material: Anodised aluminium
Weight: 4.0 kg/m
Part no. ZALKLAPP-<ladder length in mm>
Söll PivotLoc foldable ladder system

Accessories

Rigid end-stop
- Prevents the fall arrester from being taken out of the top of the foldable ladder
- Complete with all mounting elements

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

End-stop for foldable ladder system
- Prevents the fall arrester from either being inserted incorrectly or accidentally slipping out of the guide rail
- Complete with all mounting elements
- Suitable for top and bottom use

Material: Stainless steel, pickled
Weight: 0.2 kg/each
Part no. 27138

Assembly aid
- To arrest the extension section during assembly

Material: Steel, hot-dip galvanised
Weight: 0.6 kg/each
Part no. 23206

Subject to technical change. Please follow our maintenance and fitting instructions.

www.honeywellsafety.com
Planning aid for foldable ladder system Söll PivotLoc (multi-section)

The maximum possible total length is 8.0 m. For longer climbways, the ladders must be divided in order to ensure easy opening.

Subject to technical change. Please follow our maintenance and fitting instructions.
Söll GlideLoc® aluminium ladders

Accessories

Cable holder
- To retain cables behind ladders and guide rails
- Complete with all mounting elements
- For use on tubular masts or corner struts
- If loaded equally, a cable holder can carry a max. of 12.5 kg
- The total load of the cables must not exceed 35 kg/m

Material: Anodised aluminium
Weight: 0.6 kg/each
Part no. 10531

Turntable
- For safe transfer from vertical to horizontal and vice versa
- With aluminium profile for supporting the fall arrester
- Please specify the guide rail profile of the horizontal and vertical system

Material: Stainless steel, pickled
Weight: 4.2 kg/each

Bending radius of horizontal guide rail > 1,000 mm
Part no. 15299

Bending radius of horizontal guide rail < 1,000 mm
Part no. 20793

Factory assembly on an aluminium Y-spar ladder
Part no. 16884

Factory assembly on an aluminium twin ladder available upon request

Note:
All four brackets of the turntable must always be fixed to the structure!
Söll GlideLoc® aluminium ladders

Accessories

Mounting bracket with adjustable projection
- Projection: 120 to 160 mm
- To be used for mounting turntable only
- Screws for installation on the turntable not included

Material: Steel, hot-dip galvanised
Weight: 1.6 kg/each
Part no. 10867

Material: Stainless steel, pickled
Weight: 1.6 kg/each
Part no. 11591

Mounting bracket with adjustable projection
- Projection: 160 to 200 mm
- To be used for mounting turntable only
- Screws for installation on the turntable not included

Material: Steel, hot-dip galvanised
Weight: 1.8 kg/each
Part no. 10869

Material: Stainless steel, pickled
Weight: 1.8 kg/each
Part no. 15250

Note:
Projection ‘L’ depends on the type of bracket.
These mounting brackets cannot be used as ladder mounting brackets.

Subject to technical change. Please follow our maintenance and fitting instructions.
Söll GlideLoc® aluminium ladders
Manhole entry device

**Manhole entry device**
- For safe entry into manholes
- Only use together with lower part for manhole entry device
- This device can be moved from one manhole ladder to another and can be locked

Material: Anodised aluminium
Weight: 4.5 kg/each
Part no. 17410

**Lower part for manhole entry device**
- Fixed to the rear of the fixed guide rail

Material: Stainless steel, pickled
Weight: 0.8 kg/each
Part no. 16191
Söll GlideLoc® aluminium ladders

Accessories

**Roundabout**
- For safe transfer between two different offset climbways
- Projection of the climbways must be the same
- Mast diameter:
  - Min. 200 mm
  - Max. 1,000 mm
- Max. rotation angle 200°
- Comprising parallel rods and carriage for offsetting the fall arrester
- Comes with all fixing elements
- Please provide diagrams specifying the mast diameter, climbway offset angle, projection and ladder type when ordering
- Please indicate the direction of rotation

  Material: Steel, hot-dip galvanised
  Weight: Depends on size

For mast diameter 200 to 350 mm
Part no. 16612

For mast diameter 351 to 500 mm
Part no. 18697

For mast diameter 501 to 700 mm
Part no. 18698

For mast diameter 701 to 1,000 mm
Part no. 18699

**Installation example**
Roundabout with handrail and transfer platform

Customised roundabouts available upon request

Subject to technical change. Please follow our maintenance and fitting instructions.
Söll GlideLoc® aluminium ladders

Accessories

Transfer platform
- Can be used individually or with roundabout
- Complete with all mounting elements
- Please provide diagrams specifying the mast diameter and position of the climbways when ordering. Indicate the size of the segment (90°, 180° or 270°)
- Mast diameter:
  Min. 100 mm
  Max. 1,000 mm

Material: Steel, hot-dip galvanised
Weight: Depends on size
Part no. UP-<segment size><Ø in mm>

Customised versions available upon request

Subject to technical change. Please follow our maintenance and fitting instructions.

www.honeywellsafety.com
Insertion suspension ladders

Mounting elements

Mounting bracket with insertion aid
- For use in mast clamp without lock (part no. BES-OA)
- Complete with mounting elements for fixing to ladder

Material: Hot-dip galvanised steel
Projection: 130 mm
Weight: 1.2 kg/each
Part no. 10779
Projection: 150 mm
Weight: 1.3 kg/each
Part no. 18065

Bracket
- For use in mast clamp with lock (part no. BES-MA)
- Complete with mounting elements for fixing to ladder

Material: Hot-dip galvanised steel
Projection: 130 mm
Weight: 1.0 kg/each
Part no. 14981
Projection: 150 mm
Weight: 1.1 kg/each
Part no. 19646

Bracket
- For use in mast clamp without lock (part no. BES-OA)
- Complete with mounting elements for fixing to ladder

Material: Hot-dip galvanised steel
Projection: 130 mm
Weight: 1.0 kg/each
Part no. 14982
Projection: 150 mm
Weight: 1.1 kg/each
Part no. 18068

Fixed wall bracket
- For retention of insertion suspension ladder
- Lockable
- With hole for padlock: Ø 11 mm (padlock not included in delivery)

Material: Steel, hot-dip galvanised
Weight: 1.5 kg/each
Part no. 15772

Subject to technical change. Please follow our maintenance and fitting instructions.
Insertion suspension ladders
Mounting elements

Mast clamp without lock
- Please indicate the exact mast diameter and dimensions of rear edge of ladder to structure when placing the order
- Mast diameter:
  Min. 80 mm
  Max. 1,500 mm
Material: Steel, hot-dip galvanised
Weight: Depends on mast diameter
Part no. BES-OA-Ø in mm>
Wall and angle corner mounting bracket available upon request

Mast clamp with integrated lock
- To be used in conjunction with bracket (part no. 14981/19646) only
- Please indicate the exact mast diameter and dimensions of rear edge of ladder to structure when placing the order
- Mast diameter:
  Min. 80 mm
  Max. 1,500 mm
Material: Steel, hot-dip galvanised
Weight: Depends on mast diameter
Part no. BES-MA-Ø in mm>
Wall and angle corner mounting bracket available upon request
Planning aid for insertion suspension ladders (single section)

Subject to technical change. Please follow our maintenance and fitting instructions.
Planning aid for insertion suspension ladders (multi-section)
4 ladder sections - total length max. 8 m
Insertion suspension ladders
Mounting elements
Installation from below

Mast clamp with projection
- Only for use in conjunction with connector (part no. 17261)
- Projection ‘L’ depends on the type of fixed installation ladder (max. 170 mm)
- Please indicate the following required information:
  Mast diameter ‘D’
  Type of fixed installation ladder
  Bracket for fixed installation ladder, including projection
- Mast diameter:
  Min. 60 mm
  Max. 220 mm

Material: Steel, hot-dip galvanised
Weight: Depends on mast diameter
Part no. 18419

Wall and angle corner mounting bracket available upon request.
Connector for insertion suspension ladder
- For connection onto mast clamp with projection (part no. 18419) using locking bolt
- Complete with mounting elements for fixing to ladder

Material: Steel, hot-dip galvanised
Weight: 1.5 kg/each
Part no. 17261

Connector
- For insertion suspension ladder - installation from below
- For connection with fixed installation ladder
- Complete with mounting elements for fixing to ladder

Material: Anodised aluminium
Weight: 0.5 kg/each
Part no. 16624

Subject to technical change. Please follow our maintenance and fitting instructions.
Planning aid for insertion suspension ladders
Installation from below
Planning aid for tubular mast

Always keep the following details in mind when planning a fall protection system for tubular poles:

- Diameter of each tubular section (D₁, D₂, D₃, etc.)
- Length of each tubular section (L₁, L₂, L₃, etc.)
- Diameter of flanges (D₁₁, D₁₂, etc.)

The above information is required to properly determine and select the clamp diameters and projections and any required curves.

Should the tubular mast have components installed that may hinder or influence the installation of the fall protection system, such details also need to be considered when ordering.
Söll GlideLoc® aluminium ladders
Movable ladder connector section

Principle:
The movable ladder connector section is used for climbways where access is interrupted in certain areas, e.g. running a ladder through a skylight.

Movable ladder connector section
• Profile 52 x 51 mm
• A holder and all necessary connectors are included in the delivery

Material: Anodised aluminium
Length: 840 mm
Weight: 8.0 kg/each
Part no. 22404

Material: Anodised aluminium
Length: 1,120 mm
Weight: 8.9 kg/each
Part no. 24360

Y-spar ladder with bolt
• Profile 52 x 51 mm
• With connector at the top and bolt to insert the movable ladder connector section below

Material: Anodised aluminium
Weight: 3.2 kg/m
Part no. YAL-<ladder length in mm>-VERB

Subject to technical change. Please follow our maintenance and fitting instructions.
Söll GlideLoc® aluminium ladders
Planning aid for movable ladder connector section

Subject to technical change. Please follow our maintenance and fitting instructions.
Söll GlideLoc® aluminium ladders

Accessories

Identification plate
- For ‘Söll GlideLoc®’ fall protection systems
- Cover plate assembled in factory
- Must be affixed to each access point
- Languages: D/E/F/ES

Material: Aluminium
Weight: 0.1 kg/each
Part no.
19876 not engraved
20850 engraved

Additional languages available upon request

Connector
- To connect guide rails with a different profile

Material: Anodised aluminium
Weight: 0.3 kg/each
Part no. 10543
Söll GlideLoc® aluminium ladders
Accessories

Special bolt
- Special bolt for fixing Söll GlideLoc® ladders and guide rails
- Complete with connector
- Other dimensions available upon request

Material: steel, hot-dip galvanised

| M 12 x 30  | Part no. 15667 | Material: stainless steel, pickled |
| M 12 x 35  | Part no. 15850 |
| M 12 x 40  | Part no. 15851 |
| M 12 x 50  | Part no. 15852 |
| M 12 x 60  | Part no. 15853 |
| M 12 x 70  | Part no. 15854 |
| M 12 x 80  | Part no. 15855 |
| M 12 x 90  | Part no. 15856 |
| M 12 x 100 | Part no. 15857 |

| M 12 x 30  | Part no. 15669 |
| M 12 x 35  | Part no. 15858 |
| M 12 x 40  | Part no. 15859 |
| M 12 x 50  | Part no. 15860 |
| M 12 x 60  | Part no. 15861 |
| M 12 x 70  | Part no. 15862 |
| M 12 x 80  | Part no. 15863 |
| M 12 x 90  | Part no. 15864 |
| M 12 x 100 | Part no. 15865 |

| Weight: 0.06 kg/each |
| Weight: 0.06 kg/each |
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Ice scraper
- For removal of frost and ice from Söll GlideLoc guide rails
- Can be used for all profiles
- Removes ice on the inside and outside of the running surfaces of the guide rails
- Anodised aluminium body
- Spring steel blades

Weight: 0.5 kg/each
Part no. 18072

Subject to technical change. Please follow our maintenance and fitting instructions.
Söll GlideLoc®
Fall arresters

Söll Comfort fall arrester
- Complies with EN 353-1:2002; CNB/P/11.073
- With energy-absorbing element
- Self-closing swivel safety karabiner and three self-locking aluminium elements (left figure)
- For use with or without leaning back
- For vertical and horizontal use in all Söll GlideLoc fall protection systems
- Aluminium body, stainless steel safety catch

Weight: 1.1 kg/each
Part no. 22697

Söll Comfort fall arrester
- With aluminium screw safety karabiner (right figure)

Weight: 1.2 kg/each
Part no. 22690

Note:
Söll Comfort aluminium fall arresters must not be used in areas where explosions are possible.

Söll Comfort fall arrester
(left figure)
- Base body, safety catch and self-locking safety karabiner are manufactured from saltwater-proof stainless steel

Weight: 1.2 kg/each
Part no. 23331

Söll Universal II fall arrester
(right figure)
- Complies with EN 353-1:2002; CNB/P/11.073
- Can be inserted and removed at any position
- Self-closing swivel safety karabiner and three self-locking aluminium elements
- For vertical and horizontal use in all Söll GlideLoc fall protection systems
- Fall arrester manufactured from stainless steel

Weight: 1.5 kg/each
Part no. 25805

Subject to technical change. Please follow our maintenance and fitting instructions.