Guide trough systems

- Aluminium SuperTrough
- Steel guide trough
- Steel support tray
- Aluminium support tray
- Guidefast
- Guidelite
- Tubular trough
- Snap-in trough
Guide troughs | Aluminium | Steel

For general applications - aluminium SuperTrough, basic version, standard
- Huge range available for almost all igus® e-chains®
- Very simple, modular assembly
- Corrosion-resistant, seawater-resistant aluminium profile
- Flexible assembly
- Plastic glide bar made of PE
- Glide strips for wear protection at high-speed
- Bottom clamp attached either inwards or outwards - directly on the surface or on the C-profile
- Heavy-duty bracket option for high load applications: you can configure this version using our online catalogue
  ➤ www.igus.eu/alu-guide
- Conductivity according to DIN EN 61537 - as standard
Aluminium SuperTroughs ➤ From page 1208

For heavy-duty applications - steel guide trough
- Very tough steel guide trough for applications in tough environments
- Easy assembly due to installation set for joining and fixing
- Easy mounting directly to the C-profile
- Large range, 2-piece design, adjustable to e-chain® width
- Available in galvanised steel and stainless steel
- Low friction: Glide bar made of PE
- Fixed end module option, for fast and easy fitting without any drilling
- Conductivity according to DIN EN 61537 - as standard
Steel guide troughs ➤ From page 1234

Guide troughs | Further trough systems

For easy support of the lower run - steel support tray
- Simple one-piece steel support trays as a modular construction kit
- Complete system, ready to install
- Easy installation onto your machine, on profiles or wall brackets
Steel support trays ➤ From page 1264

The flexible construction kit to support the lower run - aluminium support tray
- Corrosion-resistant and seawater-resistant aluminium rails with adjustable width and open principle
- Wear-reducing glide strip integrated as standard
- Easy installation and connection of the e-chain®
Aluminium support trays ➤ From page 1270

Energy supply for crane girders and indoor cranes - guidefast
- Save up to 80% installation time
- Fits virtually any standard crane girder
- Static cable can be fixed to the trough brackets
- Low wear polymer glide bars (optional)
guidefast ➤ From page 1276

Long travels up to 150m, quick and cost-effective - igus® guidelite
- Time saving through fast assembly
- Very lightweight polymer components
- Corrosion-resistant
- Construction kit solution, from stock
guidelite ➤ From page 1282

Lets light and dirt through - tubular trough system RS
- Resistant to dirt - wear debris falls through
- More open than sheet metal constructions
- Easy and fast assembly and cost-effective
- Easy and space-saving delivery
Tubular trough system RS ➤ From page 1288

Simple and cost-effective - snap-in trough system SP
- Quick and easy assembly
- Fixed inner width with spacer
- No complex width setting required
- Cost-effective due to easy assembly
Snap-in trough system SP ➤ From page 1294

1202 More information ➤ www.igus.eu/guide

1203 3D CAD, configurators, service life calculation and more ➤ www.igus.eu/guide
Various igus® guide trough systems are available from stock. 

Guide troughs | Long travels | Introduction

igus® guide troughs
Guide troughs are used for long travels. They support the low friction gliding operation of the e-chains® and e-tubes. If the fixed end is installed in the centre of the travel ("centre-fixed"), the e-chains® glide on themselves for half the travel. For the other half, we recommend glide bars, which are assembled into the trough and on which the e-chains® glide. igus® guide troughs are available from stock with these highly abrasion resistant polymer glide bars, which are optimised for use with igus® e-chains® in terms of noise, abrasion and friction.

Trough type
Igus® offers guide troughs made of corrosion-resistant aluminium, steel or stainless steel. The trough type to be used depends on the application and the requirements of the customer. We recommend the igus® aluminium SuperTrough as standard.

Glide bars
Glide bars made from igulen are optimised for use with the e-chain® material and offer the lowest gliding friction, noise and wear. Glide bars must be used if the fixed end is in the centre of the travel. This means that half of the guide trough has glide bars and the other half is without.

Delivery details
The troughs are delivered in 2m sections. Special lengths up to 6m are possible. The left and right side parts are installed with the appropriate spacing - depending on the width of the igus® e-chain®. The necessary width is shown by the dimension BRi on the guide trough pages. The trough side parts can be linked with the base by screwing, welding or a special igus® installation set. The fixed end module for the igus® aluminium SuperTrough is a quick fix for mounting the stationary end of an e-chain® with a KMA-mounting bracket. With this module, easy attachment of the e-chain® is possible without drilling.

For lateral guidance on long travels, an igus® guide trough is necessary. In most cases, the upper run of the e-chain® glides partly on the lower run and partly on a glide bar; this is shown in the diagram below. If the fixed end of the system can be placed in the centre, the e-chain® length is calculated as follows: $L_X = \frac{1}{2} L_x K_x$. Placing the fixed end in the centre of the travel offers the shortest e-chain® length and cables. The length of the e-chain® then corresponds to slightly more than half of the travel length. Depending on the technical data for the selected e-chain®, the mounting height of the moving end of the e-chain® must be lowered on some applications. In these cases please contact igus® and we’d be glad to advise.

Selection criteria
Following parameters are required for design of a trough system: ● e-chain® type (Series, width Bi, radius R) ● Travel and travel speed ● Fill weight ● Acceleration ● Lateral acceleration ● Environmental conditions

Design and installation of the guide trough
Usually, the height of the trough must be at least twice that of the e-chain® link height: $H_Bi ≥ 2 \times ha$. The sides must provide a chamfered opening. The trough inner width is the same as the e-chain® outer width, plus 4mm or 5mm (eg $B_{BRi} = Ba + 4$). Along the side of the trough, where the upper run cannot glide on the lower run, glide bars must be installed. Guide troughs with and without glide bars can be obtained from stock for almost all igus® e-chain® types.

Important: When assembling the trough parts, the following points must be given particular attention: ● Properly align all trough parts during installation ● All screw heads should be flush with the trough ● Smooth level transition between the end of the e-chain® and the glide bars ● Solid connection with the glide surface. These points must be observed when using igus® guide troughs.

<table>
<thead>
<tr>
<th>Long travels</th>
<th>Introduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guide troughs</td>
<td></td>
</tr>
<tr>
<td>Guide trough with glide bar</td>
<td>Guide trough without glide bar</td>
</tr>
<tr>
<td>Aluminium SuperTrough without glide bars - upper run glides on the lower run</td>
<td></td>
</tr>
<tr>
<td>Aluminium SuperTrough with glide bars. The upper run glides on the glide bars from the centre of the travel</td>
<td></td>
</tr>
</tbody>
</table>

**e-chain® length**
- $L_X = \frac{1}{2} L_x K_x$
- $H_Bi ≥ 2 \times ha$
- $B_{BRi} = Ba + 4$
- $B_{BRi} = Ba + 5$

**Guide troughs**
- $S/2$:
  - Trough length
- $S$:
  - Length of travel
- $H_Bi$:
  - Trough inner height
- $H_Ba$:
  - Installation height (with lowered moving end)
- $D_2$:
  - Over length for long travels gliding
- $K_x$:
  - Add-on (with lowered moving end)
- $r_1$:
  - Required clearance height

**Trough type**
- $S/2$:
  - Trough length
- $S$:
  - Length of travel
- $H_Bi$:
  - Trough inner height
- $H_Ba$:
  - Installation height (with lowered moving end)
- $D_2$:
  - Over length for long travels gliding
- $K_x$:
  - Add-on (with lowered moving end)
- $r_1$:
  - Required clearance height

**Glide bars**
- $S$:
  - Length of travel
- $H_Bi$:
  - Trough inner height
- $H_Ba$:
  - Installation height (with lowered moving end)
- $D_2$:
  - Over length for long travels gliding
- $K_x$:
  - Add-on (with lowered moving end)
- $r_1$:
  - Required clearance height

**Trough set**
- $S/2$:
  - Trough length
- $S$:
  - Length of travel
- $H_Bi$:
  - Trough inner height
- $H_Ba$:
  - Installation height (with lowered moving end)
- $D_2$:
  - Over length for long travels gliding
- $K_x$:
  - Add-on (with lowered moving end)
- $r_1$:
  - Required clearance height

**Installation set**
- $S/2$:
  - Trough length
- $S$:
  - Length of travel
- $H_Bi$:
  - Trough inner height
- $H_Ba$:
  - Installation height (with lowered moving end)
- $D_2$:
  - Over length for long travels gliding
- $K_x$:
  - Add-on (with lowered moving end)
- $r_1$:
  - Required clearance height

**Guide trough with glide bar**
- $S$:
  - Length of travel
- $H_Bi$:
  - Trough inner height
- $H_Ba$:
  - Installation height (with lowered moving end)
- $D_2$:
  - Over length for long travels gliding
- $K_x$:
  - Add-on (with lowered moving end)
- $r_1$:
  - Required clearance height

**Guide trough without glide bar**
- $S$:
  - Length of travel
- $H_Bi$:
  - Trough inner height
- $H_Ba$:
  - Installation height (with lowered moving end)
- $D_2$:
  - Over length for long travels gliding
- $K_x$:
  - Add-on (with lowered moving end)
- $r_1$:
  - Required clearance height
Guide troughs | Long travels | C-profiles

C-profile Part No. 92.52.XX
● For all igus® aluminium SuperTrough and steel guide troughs
● With increased holding force for heavy-duty applications
● Standard material galvanised steel Part No. 92.52.XX
● Also available as stainless steel version*, please add Index .E Example: Part No. 92.52.XX .E
● Length tolerances for C-profiles of ±0.5mm possible!

XX = length mm / *Material: stainless steel 1.4301/AISI 304

Guide troughs | Application examples

igus® has experience with all kinds of installations and travels. Very long travels up to 615m or “green systems”, they help save energy cost and are made with igus® e-chains®, chainflex® cables and guide troughs. Together with the igus® accessories, they offer long service life even in tough weather conditions or in areas of dust and dirt.

1205 More information ➤ www.igus.eu/guide

1206 3D CAD, configurators, service life calculation and more ➤ www.igus.eu/guide
Aluminium SuperTrough

For general use

Advantages aluminium SuperTrough
- Huge range available for almost all igus® e-chains®
- Very simple, modular assembly
- Corrosion-resistant, seawater-resistant aluminium profile
- Flexible assembly
- Heavy-duty bracket option for high load applications: you can configure the heavy-duty version online
  - www.igus.eu/alu-guide
- Conductivity according to DIN EN 61537 - as standard
- Glide strips for wear protection at high-speed

When to use another guide trough:
- When a very tough guide trough made from steel is required for heavy-duty applications
  - Steel guide troughs, page 1234
Aluminium SuperTrough | Introduction | Advantages

Huge range: aluminium profile (standard: 2m section) available for almost all igus® e-chains®, seawater and corrosion-resistant.

Wear-reducing: glide strips protect from wear on the sides.

Easy click-on assembly: wear-reducing polymer glide bar.

Noise-reducing: optional rubber silencer profile.

For heavy-duty applications: heavy-duty clamp.

You can configure the heavy-duty version using our online catalogue ➤ www.igus.eu/alu-guide

For general applications - aluminium SuperTrough, basic version, standard

- Simple and cost-effective basic design as well as version for complex engineering applications
- Very simple, modular assembly
- Corrosion-resistant, seawater-resistant aluminium profile
- Flexible assembly
- Misalignment-free installation - no screwing or welding of the profiles required
- Conductivity according to DIN EN 61537 - as standard

Simple connection: optimised polymer fixed end module option, for fast and easy fitting, without any drilling.

Aluminium SuperTrough | Selection table

<table>
<thead>
<tr>
<th>Part No. without glide bars</th>
<th>Part No. with glide bars</th>
<th>Outer height $H_{p}$ [mm]</th>
<th>Part No. installation set*</th>
<th>Side part material</th>
<th>Page</th>
<th>Link</th>
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</thead>
<tbody>
<tr>
<td>970.30.SL</td>
<td>970.31.SL</td>
<td>77</td>
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<td>1216</td>
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<td>970.32.SL</td>
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<td>971.31.SL</td>
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<td>972.02.30.SL</td>
<td>972.02.31.SL</td>
<td>117</td>
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<td>972.30.SL</td>
<td>972.32.SL</td>
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<tr>
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<td>973.31.SL</td>
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<td>974.31.SL</td>
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<td>960.50</td>
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<td>1230</td>
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<tr>
<td>975.30.SL</td>
<td>975.31.SL</td>
<td>236</td>
<td>960.50</td>
<td>aluminium</td>
<td>1232</td>
<td></td>
</tr>
</tbody>
</table>

Basic version, standard - for general use

- Interface connector, basic, made of plastic; easy to assemble without tools.
- Easy installation: basic bottom clamp, attached either inwards or outwards.
- Easy fastening: C-profile, for bottom clamps.

Heavy-duty version - for tough plant construction

You can configure the heavy-duty version according to the respective e-chain® you’ve chosen or ➤ www.igus.eu/alu-guide

- Wear-reducing: glide strips protect from wear on the sides.
- Fast connection: interface connector, basic, made of plastic; easy to assemble without tools.
- Easy installation: basic bottom clamp, attached either inwards or outwards.
- Easy fastening: C-profile, for bottom clamps.

For heavy-duty applications: heavy-duty clamp.

You can configure the heavy-duty version using our online catalogue ➤ www.igus.eu/alu-guide

Available from stock. Ready to ship in 24 - 48 hrs.*

*The delivery times indicated correspond to the average time until the ordered goods are dispatched.

Aluminium SuperTrough | Size overview

For heavy-duty applications: heavy-duty clamp.

You can configure the heavy-duty version according to the respective e-chain® you’ve chosen or ➤ www.igus.eu/alu-guide

For general applications - aluminium SuperTrough, basic version, standard

- Simple and cost-effective basic design as well as version for complex engineering applications
- Very simple, modular assembly
- Corrosion-resistant, seawater-resistant aluminium profile
- Flexible assembly
- Misalignment-free installation - no screwing or welding of the profiles required
- Conductivity according to DIN EN 61537 - as standard

*The basic installation sets are the standard for the aluminium SuperTroughs. They can be fastened inside or outside and are recommended for most application areas. The basic clamps are made of aluminium. The heavy-duty versions is differentiated only by the type of the installation set. The part numbers of the channel side plates, glide strips, etc., are the same as the basic model. The heavy-duty installation set consists of a larger aluminium bracket, fastened on the outside of the guide trough.

For general use - aluminium SuperTrough, basic version, standard

- aluminium

Heavy-duty version - for tough plant construction

- aluminium

Available from stock. Ready to ship in 24 - 48 hrs.*

*The delivery times indicated correspond to the average time until the ordered goods are dispatched.

More information ➤ www.igus.eu/alu-guide
Aluminium SuperTrough | Basic version | Individual parts
Components, guide troughs and components, mounting kits

Components
1. Trough side parts, aluminium, 2 m
2. Glide bar, plastic, 2 m
3. Glide strips, plastic, 2 m
4. Optional: rubber silencer profile

Components, installation set
5. Bottom clamp, aluminium
6. C-profile, galvanised steel
7. Allen wrench
8. Sliding nut
9. Interface connector, plastic

Components length according to dimension $B_R$:

- $B_a = e-chain^\circ$ outer width
- $B_i = e-chain^\circ$ inner width
- $h_a = e-chain^\circ$ outer height
- $H_a = Trough inner height$
- $H_i = Trough outer height$
- $B_a = Trough inner width$
- $B_i = Trough outer width$

$B_R = B_a + 4$

Quickly and easily assemble the right trough for your application

- Selection of the suitable guide trough according to the e-chain® series and e-chain® width $B_i$
- Determine the infed point of the cables
- Determine travel distance and thus the length of the required guide trough and the number of trough pieces. (Standard length of a trough side part: 2,000mm). For centre infed, the length of the guide trough is calculated from half the travel length with and half the travel length without the glide bar
- Option: sound damping rubber silencer profile
- Number and type of the installation set

There are two installation set options: basic (standard), heavy-duty (for plant construction)

The quantity of the installation set is calculated from the number of the trough pieces + 1 set:

Order example | Examples based on Part No. 973.30.SL | 973.31.SL

Order example: length of travel 30m - centre fixed for series 3500.100.200.0 with $B_R = 124$

| Guide trough set (set of 2 trough side parts, incl. glide strips) without glide bars |
| Order text: 16m guide trough without glide bar (8 x 2m sections) | 16m guide trough with glide bar (8 x 2m sections) | 973.30.SL | 973.31.SL | 960.40.175 |
| Installation set basic complete (quantity: guide trough sets + 1) | 973.30.SLA |
| Fixed end module | 973.80.5 |

Option: For an additional noise dampening with silencer profile, please add Index A

Calculation - Travel centre fixed: half travel length, rounded to full 2m sections = X m.

Guide trough length without glide bars + X m guide trough length with glide bars + installation set, basic (number of trough pieces + 1)

1) C-profile also available in 304 stainless steel. Material 1.4301 (AISI 304)
## Aluminium SuperTrough | Basic version | Fixed end module

Quick and simple fixing onto the aluminium SuperTrough

### Optimised fixed end module – lightweight, low-cost, for connection of the e-chain® in aluminium SuperTrough
- Mounting bracket attachment on the aluminium SuperTrough without drilling
- Fixed end module is clamped to the trough
- Save installation time
- Minimise errors from drilling holes
- Stainless and cost-effective

### Installation - fixed end module
1. Removing the preassembled metal bushings
2. Insert the threaded bushings
3. Installation fixed-end module
4. Mounting on KMA mounting bracket
5. Fixing on the aluminium SuperTrough

### Fixed end clamp to attach the e-chain® into the smallest aluminium SuperTrough 970.30.SL
For mounting brackets from series: 10, 15/R15, B15, 1500. The fixed end clamp enables quick and simple attachment by clamping onto the aluminium SuperTrough without drilling.
- Quick attachment of the e-chain® to the aluminium SuperTrough
- The mounting point of the e-chain® can be changed quickly

### Fixed end clamp principle:
- Fixed end clamp 970.80
- Mounting bracket
- Aluminium SuperTrough 970.30.SL

### Aluminium SuperTrough | Basic version | Fixed end module

#### Fixed end module | Fixed end clamp | Product range

<table>
<thead>
<tr>
<th>Series</th>
<th>For aluminium SuperTrough</th>
<th>For e-chain® series</th>
<th>From inner width B1[mm]</th>
<th>Mounting bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>970.801</td>
<td>970.30.SL</td>
<td>970.31.SL</td>
<td>10, B15, 15/R15</td>
<td>050</td>
</tr>
<tr>
<td>970.802</td>
<td>970.30.SL</td>
<td>970.32.SL</td>
<td>1500</td>
<td>050</td>
</tr>
<tr>
<td>971.804</td>
<td>971.30.SL</td>
<td>971.31.SL</td>
<td>E2.26, 2500, B6.29, E81.29</td>
<td>E6.35, E61.35</td>
</tr>
<tr>
<td>972.804</td>
<td>972.02.30.SL</td>
<td>972.02.31.SL</td>
<td>E4.28/R4.28, E4.31L/R4.31L, E6.35</td>
<td></td>
</tr>
<tr>
<td>974.804</td>
<td>974.30.SL</td>
<td>974.31.SL</td>
<td>E4.64L</td>
<td>10</td>
</tr>
<tr>
<td>975.804</td>
<td>975.30.SL</td>
<td>975.31.SL</td>
<td>E4.80H/R4.80, E6.80 B1.80</td>
<td></td>
</tr>
</tbody>
</table>

### Product range
- Available from stock. Ready to ship in 24 - 48 hrs.*
  *The delivery times indicated correspond to the average time until the ordered goods are dispatched.

### Fixed end module - simple fixing of the e-chain® without drilling

### Aluminium SuperTrough | Test examples

The igus® aluminium SuperTrough has been used in test setups since 2005. Test setup axis 1: speed 1.5m/s, travel: 18m, travel so far: about 50,000km (test running since 2005)

### More information
- www.igus.eu/alu-guide

---

1) Material: polymer 2) Material: Aluminium AlMg3, seawater resistant 3) Fixed end clamp

### Aluminium SuperTrough | 970.30.SL | 970.31.SL

**Trough height:** 77mm  |  **Product range**

**Note:** The inner width of the guide through and the C-profile length of the installation set can differ according to the mounting bracket you choose. Please call us.

#### Aluminium SuperTrough | Full set

**Trough side parts sets - consisting of part 1 2 3**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>970.30.SL</td>
<td>≈ 4.30kg</td>
</tr>
<tr>
<td>970.31.SL</td>
<td>≈ 4.90kg</td>
</tr>
</tbody>
</table>

**Installation sets - consisting of part A B C D E**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>960.30</td>
<td>≈ 0.06kg</td>
</tr>
</tbody>
</table>

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 960.30.125*

#### Aluminium SuperTrough | Components as individual parts

**Individual parts, trough**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>70.11</td>
<td>≈ 2.04kg</td>
</tr>
<tr>
<td>81.79</td>
<td>≈ 0.42kg</td>
</tr>
<tr>
<td>75.01</td>
<td>≈ 0.08kg</td>
</tr>
</tbody>
</table>

**Individual parts, installation set**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>75.40</td>
<td>≈ 0.03kg</td>
</tr>
</tbody>
</table>

*C-profile, individual (C-profile length according to dimension B15)*

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>92.52.XXX</td>
<td>≈ 0.008kg/m</td>
</tr>
</tbody>
</table>

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 92.52.125.E*

**Additional option for simple fixing of the e-chain® without drilling**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>970.80</td>
<td></td>
</tr>
</tbody>
</table>
Aluminium SuperTrough | 970.30.SL | 970.32.SL

Trough height: 77mm | Product range

**For the following igus® series**

- **E2/000**
  - 1500
- **E4.1**
  - E4.21

**C-profile lengths (according to Dim. $B_Ri$) | Basic version**

Bottom clamp attached either inwards or outwards

*Please add the C-profile length $XXX$ as shown on the tables on the right page. Example: 960.30.125*

**Aluminium SuperTrough | Full set**

<table>
<thead>
<tr>
<th>Trough side parts sets - consisting of part</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 set of 2 trough side parts, incl. glide strips, <em>without</em> glide bars, 2m section</td>
<td>970.30.SL</td>
<td>4.30kg</td>
</tr>
<tr>
<td>1 set of 2 trough side parts, incl. glide strips, <em>with</em> glide bars, 2m section</td>
<td>970.32.SL</td>
<td>5.00kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Installation sets - consisting of part</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 installation set <em>without</em> C-profile</td>
<td>960.30</td>
<td>0.00kg</td>
</tr>
<tr>
<td>1 installation set <em>with</em> C-profile [C-profile length according to dimension $B_Ri$]</td>
<td>960.30.XXX* upon request</td>
<td></td>
</tr>
</tbody>
</table>

*Please add the C-profile length $XXX$ as shown on the tables on the right page. Example: 960.30.125*

**Aluminium SuperTrough | Components as individual parts**

**Individual parts, trough**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 trough side part, individual, 2m section</td>
<td>70.11</td>
</tr>
<tr>
<td>1 glide bar, plastic, individual, 2m section</td>
<td>81.79</td>
</tr>
<tr>
<td>1 glide strip, plastic, individual, 2m section</td>
<td>75.01</td>
</tr>
</tbody>
</table>

**Individual parts, installation set**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 bottom clamp, aluminium individual</td>
<td>75.40</td>
</tr>
<tr>
<td>1 C-profile, individual (C-profile length according to dimension $B_Ri$)</td>
<td>92.52.XXX</td>
</tr>
<tr>
<td>1 screw M6 x 16, individual</td>
<td>MAT 0040209 / M6 x 16</td>
</tr>
<tr>
<td>1 glide nut, individual</td>
<td>MAT 0040057 / M6</td>
</tr>
<tr>
<td>1 interface connector, individual</td>
<td>75.60</td>
</tr>
</tbody>
</table>

**Additional option for simple fixing of the e-chain® without drilling**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 set fixed end module (more information Page 1214)</td>
<td>970.80</td>
</tr>
</tbody>
</table>

*Please add the C-profile length $XXX$ as shown on the tables on the right page. Example: 92.52.125.E*

C-profile also available in 304 stainless steel. Material 1.4301 (AISI 304). Please add index E to the Part No.

**Seawater-resistant aluminium SuperTrough for an igus® E4 system on an RTG crane**
### Aluminium SuperTrough | 971.30.SL | 971.31.SL

**Trough height:** 87mm  |  **Product range**

---

**For the following igus® series**

- **E2.1**
  - E2.26
- **E2/000**
- **E2/255**
- **E2.R**
- **E6.1**
- **EF6.29/EF6.1.29**
- **E6**
  - **E6.29/R6.29**

---

**Aluminium SuperTrough | Full set**

**Trough side parts sets - consisting of part 1 2 3 4 5**  
1 set of 2 trough side parts, incl. glide strips, **without** glide bars, 2m section  
Part No.: 971.30.SL/A**  
Weight: 5.00kg

1 set of 2 trough side parts, incl. glide strips, **with** glide bars, 2m section  
Part No.: 971.31.SL  
Weight: 6.40kg

**Installation sets - consisting of part A B C D E**  
1 installation set without C-profile  
Part No.: 960.30  
Weight: 0.03kg

1 installation set with C-profile (C-profile length according to dimension $B_{cal}$)  
Part No.: 960.30.XXX*  
Weight: 0.03kg

---

**Aluminium SuperTrough | Components as individual parts**

**Individual parts, trough**  
1. Trough side part, individual, 2m section  
   Part No.: 71.11  
   Weight: 2.44kg

2. Glide bar, plastic, individual, 2m section  
   Part No.: 82.79  
   Weight: 0.60kg

3. Glide strip, plastic, individual, 2m section  
   Part No.: 75.01  
   Weight: 0.00kg

4. Trough side part, rubber, individual, 2m section (optional for additional noise damping)  
   Part No.: 75.67.H  
   Weight: 0.16kg

**Individual parts, installation set**  
1. Bottom clamp, aluminium individual  
   Part No.: 75.40  
   Weight: 0.03kg

2. C-profile, individual (C-profile length according to dimension $B_{cal}$)  
   Part No.: 92.52.XXX*  
   Weight: 0.00kg/m

3. Screw M6 x 16, individual  
   MAT: 0040209 / M6 x16

4. Glide nut, individual  
   MAT: 0040057 / M6

5. Interface connector, individual  
   Part No.: 75.60

---

**Additional option for simple fixing of the e-chain® without drilling**  
1 set fixed end module (more information: Page 1214)  
Part No.: 971.30.4

---

**C-profile lengths (according to Dim. $B_{cal}$) | Basic version**

**Bottom clamp attached either inwards or outwards**

**E2.26**

<table>
<thead>
<tr>
<th>Width $B_{cal}$ [mm]</th>
<th>Part No.</th>
<th>Part No. attached inwards</th>
<th>Part No. attached outwards</th>
</tr>
</thead>
<tbody>
<tr>
<td>225</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>250</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>275</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>325</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>350</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>375</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>400</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>425</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>450</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
</tbody>
</table>

---

**E6.29/R6.29**

<table>
<thead>
<tr>
<th>Width $B_{cal}$ [mm]</th>
<th>Part No.</th>
<th>Part No. attached inwards</th>
<th>Part No. attached outwards</th>
</tr>
</thead>
<tbody>
<tr>
<td>225</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>250</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>275</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>325</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>350</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>375</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>400</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>425</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
<tr>
<td>450</td>
<td>960.30.XXX*</td>
<td>0.03kg</td>
<td></td>
</tr>
</tbody>
</table>

---

**Note:** The inner width of the guide trough and the C-profile length of the installation set can differ according to the mounting bracket you choose. Please call us.

---

**Heavy-duty version for high load applications**

- This aluminium SuperTrough is also available with special heavy-duty brackets for secure connection.
- You can configure the heavy-duty version using our online catalogue.
- Installation set Part No. 971.50.
- See page 1214 for more information: www.igus.eu/alu-guide
Aluminium SuperTrough | 972.02.30.SL | 972.02.31.SL

Trough height: 117mm | Product range

For the following igus® series

- E4.1L
- E4.31L/R4.31L
- E4.1
- E4.28/R4.28
- E6.1
- E61.35
- E6
- E6.35

Bottom clamp attached either inwards or outwards

**Note:** The inner width of the guide through and the C-profile length of the installation set can differ according to the mounting bracket you choose. Please call us.

Aluminium SuperTrough | Full set

**Trough side parts sets** - consisting of part 1, 2, 3

1 set of 2 trough side parts, incl. glide strips, **without** glide bars, 2m section
Part No.: 972.02.30.SLA
Weight: 6.0kg

1 set of 2 trough side parts, incl. glide strips, **with** glide bars, 2m section
Part No.: 972.02.31.SL
Weight: 7.45kg

**For an additional noise dampening with silencer profile, please add index A to the Part No. Example: 972.02.30.SLA**

**Installation sets** - consisting of part A, B, C, D, E

1 installation set **without** C-profile
Part No.: 960.30
Weight: 0.0kg

1 installation set **with** C-profile (C-profile length according to dimension B_{H})
Part No.: 960.30.XXX
Weight: 0.0kg

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 960.30.175

Aluminium SuperTrough | Components as individual parts

**Individual parts, trough**

- 1 trough side part, individual, 2m section
  Part No.: 72.02.11
  Weight: ~2.94kg

- 1 glide bar, plastic, individual, 2m section
  Part No.: 82.79
  Weight: ~1.3kg

- 1 glide strip, plastic, individual, 2m section
  Part No.: 75.01
  Weight: ~0.08kg

- 1 silencer profile, rubber, individual, 2m section (optional for an additional noise dampening)
  Part No.: 75.67.H
  Weight: ~0.16kg

**Individual parts, installation set**

- 1 bottom clamp, aluminium individual
  Part No.: 75.40
  Weight: ~0.03kg

- 1 C-profile, individual (C-profile length according to dimension B_{H})
  Part No.: 92.52.XXXLE
  Weight: ~0.90kg/m

- 1 screw M6 x 16, individual
  Part No.: MAT 0040209 / M6 x16

- 1 glide nut, individual
  Part No.: MAT 0040057 / M6

- 1 interface connector, individual
  Part No.: 75.60

**Additional option for simple fixing of the e-chain® without drilling**

1 set fixed end module (more information | Page 1214)
Part No.: 972.80.4

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 92.52.125.E

C-profile also available in 304 stainless steel. Material 1.4301 (AISI 304). Please add index E to the Part No.

C-profile lengths (according to Dim. B_{H}) | Basic version

Bottom clamp attached either inwards or outwards

Heavy-duty version for high load applications

- This aluminium SuperTrough is also available with special heavy-duty brackets for secure connection
- You can configure the heavy-duty version using our online catalogue
- Installation set Part No. 972.50

More information | www.igus.eu/alu-guide

Heavy-duty version for high load applications

3D CAD, configurators, service life calculation and more | www.igus.eu/alu-guide

www.igus.eu/alu-guide
Aluminium SuperTrough | 972.30.SL | 972.31.SL

Trough height: 117mm | Product range

**For the igus® series**

<table>
<thead>
<tr>
<th>E4.1.1</th>
<th>E4.38L/R4.38L</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>E4.1</strong></td>
<td><strong>E4.32/H4.32/R4.32</strong></td>
</tr>
<tr>
<td><strong>E6.1</strong></td>
<td><strong>E6.40/R6.40</strong></td>
</tr>
</tbody>
</table>

**Aluminium SuperTrough | Full set**

Trough side parts sets - consisting of part 1, 2, 3, 4, 5, 6

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>972.30.SL**</td>
<td>6.00kg</td>
</tr>
<tr>
<td>972.31.SL</td>
<td>7.40kg</td>
</tr>
</tbody>
</table>

*For an additional noise dampening with silencer profile, please add index A to the Part No. Example: 972.30.SLA*

**Installation sets - consisting of part A, B, C, D, E**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>960.30</td>
<td>0.00kg</td>
</tr>
</tbody>
</table>

1 installation set without C-profile

1 installation set with C-profile (C-profile length according to dimension Bca)

960.30.XXX* upon request

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 960.30.150

**Aluminium SuperTrough | Components as individual parts**

<table>
<thead>
<tr>
<th>Individual parts, trough</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 trough side part, individual, 2m section</td>
<td>72.11</td>
<td>2.90kg</td>
</tr>
<tr>
<td>1 glide bar, plastic, individual, 2m section</td>
<td>82.79</td>
<td>0.60kg</td>
</tr>
<tr>
<td>1 glide strip, plastic, individual, 2m section</td>
<td>75.01</td>
<td>0.00kg</td>
</tr>
<tr>
<td>1 silencer profile, rubber, individual, 2m section (optional for an additional noise dampening)</td>
<td>75.67.H</td>
<td>0.16kg</td>
</tr>
</tbody>
</table>

**Individual parts, installation set**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 bottom clamp, aluminium individual</td>
<td>75.40</td>
</tr>
<tr>
<td>1 C-profile, individual (C-profile length according to dimension Bca)</td>
<td>92.52.XXXLE*</td>
</tr>
<tr>
<td>1 screw M6 x 16, individual</td>
<td>MAT 0040209 / M6 x 16</td>
</tr>
<tr>
<td>1 glide nut, individual</td>
<td>MAT 0040057 / M6</td>
</tr>
<tr>
<td>1 interface connector, individual</td>
<td>75.60</td>
</tr>
</tbody>
</table>

**Additional option for simple fixing of the e-chain® without drilling**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 set fixed end module (more information Page 1214)</td>
<td>972.20.4</td>
</tr>
</tbody>
</table>

C-profile length according to dimension Bca | see table on the right page

---

**C-profile lengths (according to Dim. Bca) | Basic version**

Bottom clamp attached either inwards or outwards

**Heavy-duty version for high load applications**

- This aluminium SuperTrough is also available with special heavy-duty brackets for secure connection
- You can configure the heavy-duty version using our online catalogue
- Installation set Part No. 972.50.

More information: www.igus.eu/alu-guide

---

1224 More information | www.igus.eu/alu-guide
Aluminium SuperTrough | 972.30.SL | 972.32.SL

Trough height: 117mm | Product range

For the following igus® series

- E2.1
- E2.38
- E2/000
- E2.14
- E2.R
- E2.58

C-profile also available in 304 stainless steel. Material 1.4301 (AISI 304). Please add index E.

Individual parts, installation set Part No. Weight

<table>
<thead>
<tr>
<th>Individual parts, trough</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 trough side part, individual, 2m section</td>
<td>972.30.SLA**</td>
<td>6.00kg</td>
</tr>
<tr>
<td>1 trough side part, individual, 2m section</td>
<td>972.32.SL</td>
<td>7.40kg</td>
</tr>
</tbody>
</table>

**For an additional noise dampening with silencer profile, please add index A to the Part No. Example: 972.30.SLA.

Installation sets - consisting of part A, B, C, D, E

<table>
<thead>
<tr>
<th>Installation set</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 installation set without C-profile</td>
<td>960.30</td>
<td>0.00kg</td>
</tr>
<tr>
<td>1 installation set with C-profile (C-profile length according to dimension $B_a$)</td>
<td>960.30.XXX* upon request</td>
<td></td>
</tr>
</tbody>
</table>

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 960.30.150

Aluminium SuperTrough | Full set

Trough side parts sets - consisting of part 1, 2, 3, 4

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>972.30.SLA**</td>
<td>6.00kg</td>
</tr>
<tr>
<td>972.32.SL</td>
<td>7.40kg</td>
</tr>
</tbody>
</table>

Aluminium SuperTrough | Components as individual parts

<table>
<thead>
<tr>
<th>Individual parts, trough</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 trough side part, individual, 2m section</td>
<td>72.11</td>
<td>2.94kg</td>
</tr>
<tr>
<td>1 glide bar, plastic, individual, 2m section</td>
<td>82.79</td>
<td>0.00kg</td>
</tr>
<tr>
<td>1 glide strip, plastic, individual, 2m section</td>
<td>75.01</td>
<td>0.00kg</td>
</tr>
<tr>
<td>1 silencer profile, rubber, individual, 2m section (optional for an additional noise dampening)</td>
<td>75.67.H</td>
<td>0.10kg</td>
</tr>
</tbody>
</table>

Individual parts, installation set

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 bottom clamp, aluminium individual</td>
<td>75.40</td>
</tr>
<tr>
<td>1 C-profile, individual (C-profile length according to dimension $B_a$)</td>
<td>92.52.XXX<em>L</em></td>
</tr>
<tr>
<td>1 screw M6 x 16, individual</td>
<td>MAT 0040209 / M6 x16</td>
</tr>
<tr>
<td>1 glide nut, individual</td>
<td>MAT 0040057 / M6</td>
</tr>
<tr>
<td>1 interface connector, individual</td>
<td>75.60</td>
</tr>
</tbody>
</table>

Additional option for simple fixing of the e-chain® without drilling

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 set fixed end module (more information Page 1214)</td>
<td>972.80.4</td>
</tr>
</tbody>
</table>

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 92.52.125.E

C-profile also available in 304 stainless steel. Material 1.4301 (AISI 304). Please add index E to the Part No.

Heavy-duty version for high load applications

- This aluminium SuperTrough is also available with special heavy-duty brackets for secure connection
- You can configure the heavy-duty version using our online catalogue
- Installation set Part No. 972.50.

More information | www.igus.eu/alu-guide
For the following igus® series

- E2.1
- E2.48
- E2000
- E3500
- E2 R
- P768
- E4.1
- E4.4R / E4.4LR
- E4.1
- E4.42 / H4.42 / R4.42
- E6.1
- E6.52
- E6
- E6.52 / H6.52

Note: The inner width of the guide through and the C-profile length of the installation set can differ according to the mounting bracket you choose. Please call us.

**Aluminium SuperTrough | Full set**

<table>
<thead>
<tr>
<th>Trough side parts sets - consisting of part</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 set of 2 trough side parts, included glide strips, without glide bars, 2m section</td>
<td>973.30.SL**</td>
<td>≈ 8.0kg</td>
</tr>
<tr>
<td>1 set of 2 trough side parts, included glide strips, with glide bars, 2m section</td>
<td>973.31.SL</td>
<td>≈ 10.9kg</td>
</tr>
</tbody>
</table>

**For an additional noise damping with silencer profile, please add index A to the Part No. Example: 973.30.SLA**

**Installation sets - consisting of part**

<table>
<thead>
<tr>
<th>Installation set without C-profile</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 installation set without C-profile</td>
<td>960.40</td>
<td>≈ 0.29kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Installation set with C-profile (C-profile length according to dimension Bb)</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 installation set with C-profile (C-profile length according to dimension Bb)</td>
<td>960.40.XXX*</td>
<td>upon request</td>
</tr>
</tbody>
</table>

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 960.40.175

**Aluminium SuperTrough | Components as individual parts**

<table>
<thead>
<tr>
<th>Individual parts, trough</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 trough side part, individual, 2m section</td>
<td>73.11</td>
<td>≈ 3.94kg</td>
</tr>
<tr>
<td>1 glide bar, plastic, individual, 2m section</td>
<td>83.79</td>
<td>≈ 1.30kg</td>
</tr>
<tr>
<td>1 glide strip, plastic, individual, 2m section</td>
<td>75.01</td>
<td>≈ 0.05kg</td>
</tr>
<tr>
<td>1 silencer profile, rubber, individual, 2m section (optional for an additional noise damping)</td>
<td>75.68H</td>
<td>≈ 0.38kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Individual parts, installation set</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 bottom clamp, aluminium individual</td>
<td>75.50</td>
<td>≈ 0.04kg</td>
</tr>
<tr>
<td>1 C-profile, individual (C-profile length according to dimension Bb)</td>
<td>92.52.XXXLE*</td>
<td>≈ 0.000kg/mt</td>
</tr>
<tr>
<td>1 screw M6 x 16, individual</td>
<td>MAT 0040445 / M6 x 20</td>
<td></td>
</tr>
<tr>
<td>1 glide nut, individual</td>
<td>MAT 0040413 / M8</td>
<td></td>
</tr>
<tr>
<td>1 interface connector, individual</td>
<td>75.60</td>
<td></td>
</tr>
</tbody>
</table>

**Additional option for simple fixing of the e-chain® without drilling**

<table>
<thead>
<tr>
<th>Set fixed end module (more information)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 set fixed end module (more information)</td>
<td>973.80.5H / 973.81.5H</td>
</tr>
</tbody>
</table>

C-profile also available in 304 stainless steel. Material 1.4301 (AISI304). Please add index E to the Part No.

**Heavy-duty version for high load applications**

- This aluminium SuperTrough is also available with special heavy-duty brackets for secure connection.
- You can configure the heavy-duty version using our online catalogue.
- Installation set Part No. 973.50.

More information: www.igus.eu/alu-guide

1228 More information: www.igus.eu/alu-guide
For the following igus® series

E4.1
- E4.64L
- E4.6
- E4.56/H4.56/R4.56
- E4/light
- 14040/14140/R18840
- 14240/14340

Additional option for simple fixing of the e-chain® without drilling Part No. E4.1

● E4.64L
● E4.6
● E4.56/H4.56/R4.56
● E4/light

Note: The inner width of the guide trough and the C-profile length of the installation set can differ according to the mounting bracket you choose. Please call us.

Aluminium SuperTrough | Full set

Trough side parts sets - consisting of part A, B, C, D

1 set of 2 trough side parts, incl. glide strips, without glide bars, 2m section 974.30.SL**

1 set of 2 trough side parts, incl. glide strips, with glide bars, 2m section 974.41.SL

**For an additional noise dampening with silencer profile, please add index A to the Part No. Example: 974.30.SLA

Installation sets - consisting of part A, B, C, D, E

1 installation set without C-profile 960.50

1 installation set with C-profile (C-profile length according to dimension B_C) 960.50.XXX *

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 960.50.200

Aluminium SuperTrough | Components as individual parts

Individual parts, trough

Part No. Weight
1 trough side part, individual, 2m section 74.11 4.9kg
1 glide bar, plastic, individual, 2m section 83.79 1.3kg
1 glide strip, plastic, individual, 2m section 75.01 0.08kg
1 silencer profile, rubber, individual, 2m section (optional for an additional noise dampening) 75.68H 0.38kg

Individual parts, installation set

Part No. Weight
1 bottom clamp, aluminium individual 75.50 0.04kg
1 C-profile, individual (C-profile length according to dimension B_C) 92.52.XXXLE * 0.008kg/m
1 screw M6 x 16, individual MAT 0004045 / M8 x 20
1 glide nut, individual MAT 00040413 / M8
1 interface connector, individual 75.60

Additional option for simple fixing of the e-chain® without drilling Part No. E4.64L

1 set fixed end module (more information ➔ Page 1214) 974.80.SN / 974.81.SN

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 92.52.125.E

C-profile length according to dimension B_C ➔ see table on the right page

Bottom clamp attached either inwards or outwards

C-profile (C-profile length according to dimension B_C) 960.50

Alu guide

Heavy-duty version for high load applications

This Aluminium SuperTrough is also available with special heavy-duty brackets for secure connection.

You can configure the heavy-duty version using our online catalogue.

Installation set Part No. 974.50.

More information ➔ www.igus.eu/alu-guide

www.igus.eu/alu-guide
Aluminium SuperTrough | 975.30.SL | 975.31.SL

Trough height: 236mm | Product range

For the following igus® series

- E4.1
- E4.08/H4.80/R4.80
- E4/ light
- 15050/15150/R19850
- 15250/15350

E6.1
- E6.80
- E6.80

C-profile lengths (according to Dim. B8p) | Basic version

<table>
<thead>
<tr>
<th>Width (E4.80)</th>
<th>Part No.</th>
<th>Weight</th>
<th>Part No.</th>
<th>Weight</th>
<th>Part No.</th>
<th>Weight</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>100</td>
<td>9.04</td>
<td>100</td>
<td>9.04</td>
<td>100</td>
<td>9.04</td>
<td>100</td>
<td>9.04</td>
</tr>
</tbody>
</table>

Aluminium SuperTrough | Full set

Trough side parts - consisting of part A, B, C, D, E, F, G

Part No. | Weight
975.30.SL** | 14.0kg
975.31.SL | 16.0kg

**For additional noise damping with silencer profile, please add index A to the Part No. Example: 975.30.SL/A

Installation sets - consisting of part A, B, C, D, E, F, G

Part No. | Weight
960.50 | 0.20kg
960.50 | 0.20kg

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 960.50,200

Aluminium SuperTrough | Components as individual parts

Individual parts, trough

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>75.11</td>
<td>6.50kg</td>
</tr>
<tr>
<td>75.11</td>
<td>6.50kg</td>
</tr>
</tbody>
</table>

1 glide bar, plastic, individual, 2m section

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>75.01</td>
<td>0.50kg</td>
</tr>
</tbody>
</table>

1 silencer profile, rubber, individual, 2m section (optional for additional noise damping)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>75.68.H</td>
<td>0.30kg</td>
</tr>
</tbody>
</table>

Individual parts, installation set

1 bottom clamp, aluminium individual

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>75.50</td>
<td>0.40kg</td>
</tr>
</tbody>
</table>

1 C-profile, individual (C-profile length according to Dim. B8p)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>92.52.XXX.E*</td>
<td>0.90kg/m</td>
</tr>
</tbody>
</table>

1 screw M6 x 16, individual

<table>
<thead>
<tr>
<th>MAT</th>
<th>M8 x 20</th>
</tr>
</thead>
<tbody>
<tr>
<td>92.52.XXX.E*</td>
<td>0.90kg/m</td>
</tr>
</tbody>
</table>

1 glide nut, individual

<table>
<thead>
<tr>
<th>MAT</th>
<th>M8</th>
</tr>
</thead>
<tbody>
<tr>
<td>92.52.XXX.E*</td>
<td>0.90kg/m</td>
</tr>
</tbody>
</table>

1 interface connector, individual

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>75.50</td>
<td>0.40kg</td>
</tr>
</tbody>
</table>

Additional option for simple fixing of the e-chain® without drilling

1 set fixed end module (more information on Page 1214)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>975.80.H</td>
<td>975.81.H</td>
</tr>
</tbody>
</table>

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 92.52.125.E

C-profile also available in 304 stainless steel. Material 1.4301 (AISI 304). Please add index E to the Part No. A) | for series E4.08/H4.80/R4.80, E6.80; B) for series 15050/15150/R19850, 15250/15350

Page 1214 More information: www.igus.eu/alu-guide

Heavy-duty version for high load applications

This aluminium SuperTrough is also available with special heavy-duty brackets for secure connection.

You can configure the heavy-duty version using our online catalogue.

Installation set Part No. 975.50.

More information: www.igus.eu/alu-guide

3D CAD, configurators, service life calculation and more: www.igus.eu/alu-guide

1233
Steel guide trough

Very tough for heavy-duty applications

Advantages of the steel guide trough
● Very tough guide trough for applications in tough environments
● Easy assembly due to installation set design
● Easy mounting directly to the C-profile
● Large range, 2-piece design, adjustable to e-chain® width
● Available in galvanised steel and stainless steel
● Low friction: Glide bar made of PE
● Fixed end module option, for fast and easy fitting without any drilling
● Conductivity according to DIN EN 61537 - as standard

When to use another guide trough:
● When a corrosion-resistant, seawater-resistant aluminium trough is required,
  ► Aluminium SuperTroughs, page 1208
Steel guide trough | Introduction | Advantages

Heavy-duty:
very tough guide trough made of steel

Large range:
2-piece design, adjustable to e-chain® width

Resistant:
side parts made from galvanised steel

Easy to install: installation set for joining and fixing; secure connection without misalignment and with no welding

Low friction:
glide bar made from PE

Simple fastening:
directly on the ground or with C-profile

Fast and easy mounting:
with fixed end module, without any drilling

Very tough for heavy-duty applications - steel guide trough

If the igus® installation sets are used, the guide troughs are very easy to assemble. All steel guide troughs are constructed according to the same basic design. On the following pages, you will find information about dimensions, weights and accessories. All sizes use a common C-profile on which the guide parts are assembled. The installation brackets used vary in height only. Conductivity according to DIN EN 61537 - as standard.

Steel guide trough | Selection table

<table>
<thead>
<tr>
<th>Part No. without glide bars</th>
<th>Part No. with glide bars</th>
<th>Outer height (H_{\text{mm}})</th>
<th>Part No. installation set</th>
<th>Side part material</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>92.30</td>
<td>92.31</td>
<td>70</td>
<td>92.50</td>
<td>galvanised steel</td>
<td>1242</td>
</tr>
<tr>
<td>95.30</td>
<td>95.31</td>
<td>100</td>
<td>95.50</td>
<td>galvanised steel</td>
<td>1244</td>
</tr>
<tr>
<td>99.30</td>
<td>99.31</td>
<td>100</td>
<td>95.50</td>
<td>galvanised steel</td>
<td>1246</td>
</tr>
<tr>
<td>97.30</td>
<td>97.31</td>
<td>130</td>
<td>93.50</td>
<td>galvanised steel</td>
<td>1248</td>
</tr>
<tr>
<td>93.30</td>
<td>93.31</td>
<td>130</td>
<td>93.50</td>
<td>galvanised steel</td>
<td>1250</td>
</tr>
<tr>
<td>94.30</td>
<td>94.31</td>
<td>170</td>
<td>94.50</td>
<td>galvanised steel</td>
<td>1252</td>
</tr>
<tr>
<td>94.14550.30</td>
<td>94.14550.31</td>
<td>170</td>
<td>94.50</td>
<td>galvanised steel</td>
<td>1254</td>
</tr>
<tr>
<td>96.30</td>
<td>96.31</td>
<td>220</td>
<td>96.50</td>
<td>galvanised steel</td>
<td>1256</td>
</tr>
<tr>
<td>98.30</td>
<td>98.31</td>
<td>300</td>
<td>98.50</td>
<td>galvanised steel</td>
<td>1258</td>
</tr>
<tr>
<td>90.30</td>
<td>90.31</td>
<td>480</td>
<td>90.50</td>
<td>galvanised steel</td>
<td>1260</td>
</tr>
<tr>
<td>91.10 - 91.71²</td>
<td>–</td>
<td>48</td>
<td>–</td>
<td>galvanised steel</td>
<td>1241</td>
</tr>
</tbody>
</table>

1) Optional: 304 stainless steel, material 1.4301 (AISI 304) / 316 stainless steel, material 1.4404 (AISI 316L) / 316 stainless steel, material 1.4571 (AISI 316Ti)
2) Steel guide trough, 1 piece Only for series 10, 15 and B15

Available from stock. Ready to ship in 24 - 48 hrs.*

*The delivery times indicated correspond to the average time until the ordered goods are dispatched.

Steel guide trough | Size overview

3D CAD, configurators, service life calculation and more ▶️ www.igus.eu/steelguide
Steel guide trough | Individual parts

Components

- Guide trough
- Glide bar
- Installation set
- C-profile

\[ B_a = e \text{-chain}^\text{®} \text{ outer width} \]
\[ B_i = e \text{-chain}^\text{®} \text{ inner width} \]
\[ h_a = e \text{-chain}^\text{®} \text{ outer height} \]
\[ H_a = \text{Trough inner height} \]
\[ H_b = \text{Trough outer height} \]
\[ B_m = \text{Trough inner width} \]
\[ B_r = \text{Tough outer width} \]
\[ n_m = \text{number of installation sets (left/right)} \]
\[ n_r = \text{Number of trough sets (left/right)} \]

Steel guide trough | Features

- Guide trough side parts made from galvanised steel. Optional: 304 stainless steel, material 1.4301 (AISI 304) / 316 stainless steel, material 1.4404 (AISI 316L) / 316 stainless steel, material 1.4571 (AISI 316Ti) 2) C-profile also available in 304 stainless steel. Material 1.4301 (AISI 304)

Quickly and easily assemble the right trough for your application

- Selection of the suitable guide trough according to the e-chain® series and e-chain® width \( B_i \)
- Determine the infeed point of the cables
- Determine travel distance and thus the length of the required guide trough and the number of trough pieces. (Standard length of a trough side part: 2,000mm). For centre infeed, the length of the guide trough is calculated from half the travel length with and half the travel length without the glide bar
- Number and type of the installation set

The quantity of the installation set is calculated from the number of the trough pieces + 1 set:

\[ n_{mon} = n_{ri} + 1 \]

Steel guide trough set (set of 2 trough side parts, inc. glide strips) without glide bars

Order text: 16m guide trough without glide bar (8 x 2m sections)

Order example: length of travel 30m - centre fixed for series E4.56.20.300.0 with \( B_m = 239 \)

Order text: 16m guide trough without glide bar (8 x 2m sections)

Order example: length of travel 30m - centre fixed for series E4.56.20.300.0 with \( B_m = 239 \)

Guide trough length without glide bars + Xm guide trough length with glide bars + installation sets (number of trough pieces + 1)
Steel guide trough | Fixed end module
Quick and simple fixing onto the steel guide trough

When installing the mounting brackets at the fixed end, the steel trough normally needs to be drilled to match the mounting bracket hole pattern. With the new fixed end module the holes are pre-prepared so that the 2,000mm long component can be used for centre fed, end fed and even for reverse fed applications.

1. Fast fixation of igus® mounting brackets thanks to prefabricated holes
2. Fast installation of C-profile for strain relief
3. Fast bolting of glide bars

Industries: power plants, coal conveyors, mining, composting plants, raw material storage, gypsum plants, etc.

For the following igus® series
For series 10, 15 and B15 one-piece, U-shaped steel guide troughs are available. They have a continuous glide bar for the gliding section of the trough. The guide troughs for the e-chains® with an outer width up to 100mm are available from stock. For wider e-chains® special solutions are possible. For this trough sizes no installation sets are necessary as the guide troughs are made of a single U-profile. The solution for the trough joint is specific to each application. (material: galvanised steel)

Steel guide trough | One-piece, U-shaped
Special solution for series 10, B15 and 15

Available from stock. Ready to ship in 24 - 48 hrs.*

*The delivery times indicated correspond to the average time until the ordered goods are dispatched.

Series | Part No. | For steel guide trough | For e-chain® series | Weight [kg/m] | B_e [mm] | B_w [mm]
--- | --- | --- | --- | --- | --- | ---
Series | Part No. | For steel guide trough | For e-chain® series | Weight [kg/m] | B_e [mm] | B_w [mm]
--- | --- | --- | --- | --- | --- | ---
91.10 | Trough without glide bar, 2m section | 10.015/15.015/B15.015 | 40.5 | 30 | 1.50
91.11 | Trough with glide bar, 2m section | 10.015/15.015/B15.015 | 40.5 | 30 | 2.10
91.20 | Trough without glide bar, 2m section | 10.025/15.025/B15.025 | 50.5 | 40 | 1.65
91.21 | Trough with glide bar, 2m section | 10.025/15.025/B15.025 | 50.5 | 40 | 2.35
91.30 | Trough without glide bar, 2m section | 10.038/15.038/B15.038 | 62.5 | 52 | 1.80
91.31 | Trough with glide bar, 2m section | 10.038/15.038/B15.038 | 62.5 | 52 | 2.70
91.40 | Trough without glide bar, 2m section | 10.050/15.050/B15.050 | 72.5 | 62 | 1.90
91.41 | Trough with glide bar, 2m section | 10.050/15.050/B15.050 | 72.5 | 62 | 3.15
91.50 | Trough without glide bar, 2m section | 10.5/15.5/B15.5 | 89.5 | 79 | 2.15
91.51 | Trough with glide bar, 2m section | 10.5/15.5/B15.5 | 89.5 | 79 | 4.30
91.60 | Trough without glide bar, 2m section | 10.6/15.6/B15.6 | 106.5 | 95 | 2.40
91.61 | Trough with glide bar, 2m section | 10.6/15.6/B15.6 | 106.5 | 95 | 4.60
91.70 | Trough without glide bar, 2m section | 10.7/15.7/B15.7 | 126.5 | 116 | 2.80
91.71 | Trough with glide bar, 2m section | 10.7/15.7/B15.7 | 126.5 | 116 | 5.20

3D CAD, configurators, service life calculation and more ➤ www.igus.eu/steelguide

More information ➤ www.igus.eu/steelguide
Steel guide trough | Full set

### Trough side parts set
1. set of 2 trough side parts, **without** glide bars, 2m section
   - Part No. 92.30 / E44 / E45
   - Weight 760g
2. set of 2 trough side parts, **with** glide bars, bolted, 2m section
   - Part No. 92.31 / E44 / E45
   - Weight 660g

### Installation sets
1. Installation set **without** C-profile
   - Part No. 92.50
   - Weight 340g
2. Installation set with C-profile (C-profile length according to dimension \( B_{ri} \))
   - Part No. 92.50.XXX
   - Weight upon request

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 92.50.200*

Steel guide trough | Components as individual parts

### Individual parts, trough
1. 1 trough side part, individual, 2m section
   - Part No. 92.11 / E44 / E45
   - Weight 3.80kg
2. Glide bar, plastic, individual, 2m section
   - Part No. 92.01
   - Weight 750g
3. Glide bar, individual, 2m section + 11 screw sets
   - Part No. 92.20
   - Weight 980g
4. Package with 11 screw sets (for glide bar, 2m section)
   - Part No. 92.21
   - Weight 220g

### Individual parts, installation set
1. Individual parts, installation set
   - Part No. 92.51
   - Weight 170g
2. Countersunk-head screw, individual
   - Part No. 92.53 / M6 x 14
3. Hexagon nut, individual
   - Part No. 92.54 / M6
4. Hexagon-head screw, individual
   - Part No. 92.55 / M10 x 16
5. Glide nut, individual
   - Part No. 92.56 / M10

### C-profile, individual (C-profile length according to dimension \( B_{ri} \))
1. C-profile, individual
   - Part No. 92.52.XXX / E1
   - Weight 0.00kg/m

### Additional option for simple fixing of the e-chain® without drilling
1. set fixed end module (more information [Page 1240])
   - Part No. 92.80.01*
   - Weight 7.60kg

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 92.52.200.E

1) Trough side parts: C-profile - also available in 304 stainless steel, material 1.4301 (AISI 304), please add index E to the Part No.
2) Trough side parts: - also available in 316 stainless steel, material 1.4404 (AISI 316L), please add index E44 to the Part No.
3) Trough side parts: - also available in 316 stainless steel, material 1.4571 (AISI 316), please add index E45 to the Part No.
Steel guide trough | 95.30 | 95.31 | Heavy-duty
Trough height: 100mm | Product range

For the following igus® series

E2.1
● E2.38
E2/000
● 2700
E2 R
● R58

H a

Individual attachment without C-profile

C-profile length according to dimension $B_R$ | see table on the right page

Steel guide trough | Full set

Trough side parts sets
1 set of 2 trough side parts, without glide bars, 2m section
95.30 $E_{2}^{1}$ / E44 / E45 $^{1}$ 10.00kg
1 set of 2 trough side parts, with glide bars, bolted, 2m section
95.31 $E_{2}^{1}$ / E44 / E45 $^{1}$ 10.00kg

Installation sets
1 installation set without C-profile
95.50 0.41kg
1 installation set with C-profile (C-profile length according to dimension $B_R^{i}$) upon request
95.50.XXX $^{*}$ upon request

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 95.50.200

Steel guide trough | Components as individual parts

Individual parts, trough
1 trough side part, individual, 2m section
95.11 $E_{2}^{1}$ / E44 / E45 $^{1}$ 5.00kg
1 glide bar, plastic, individual, 2m section
92.01 0.75kg
1 glide bar, individual, 2m section + 11 screw sets
92.20 0.98kg
1 package with 11 screw sets (for glide bar, 2m section)
92.21 0.23kg

Individual parts, installation set
1 clamping bracket, individual
95.51 0.16kg
1 countersunk-head screw, individual
92.53 / M6 x 14
1 hexagon nut, individual
92.54 / M6
1 hexagon-head screw, individual
92.55 / M10 x 16
1 glide nut, individual
92.56 / M10
1 C-profile, individual (C-profile length according to dimension $B_R^{i}$)
92.52.XXX $^{*}$ 0.00kg/m

Additional option for simple fixing of the e-chain® without drilling
1 set fixed end module (more information ► Page 1240)
95.80.01 10.00kg

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 95.52.200.E

1) Trough side parts + C-profile - also available in 304 stainless steel, material 1.4301 (AISI 304). Please add index $E$ to the Part No.
2) Trough side parts - also available in 316 stainless steel, material 1.4404 (AISI 316L). Please add index $E44$ to the Part No.
3) Trough side parts - also available in 316 stainless steel, material 1.4571 (AISI 316Ti). Please add index $E45$ to the Part No.

Steel guide trough | C-profile lengths

C-profile length according to dimension $B_R^{i}$

<table>
<thead>
<tr>
<th>Width index</th>
<th>$B_R^{i}$ [mm]</th>
<th>Part No.</th>
<th>Installation set</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>E2.38</td>
<td>50</td>
<td>95.50.200</td>
<td>0.00</td>
<td>0.41kg</td>
</tr>
<tr>
<td>55</td>
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<td>0.05</td>
<td>0.41kg</td>
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<td>70</td>
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<td>95.50.225</td>
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<td>0.16kg</td>
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<td>0.16kg</td>
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<td>175</td>
<td>95.50.225</td>
<td>0.20</td>
<td>0.16kg</td>
<td></td>
</tr>
</tbody>
</table>

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 95.52.200.E

For the following igus® series

E2.1
● E2.38
E2/000
● 2700
E2 R
● R58

H a

Individual attachment without C-profile

C-profile length according to dimension $B_R^{i}$ | see table on the right page

Steel guide trough | Full set

Trough side parts sets
1 set of 2 trough side parts, without glide bars, 2m section
95.30 $E_{2}^{1}$ / E44 / E45 $^{1}$ 10.00kg
1 set of 2 trough side parts, with glide bars, bolted, 2m section
95.31 $E_{2}^{1}$ / E44 / E45 $^{1}$ 10.00kg

Installation sets
1 installation set without C-profile
95.50 0.41kg
1 installation set with C-profile (C-profile length according to dimension $B_R^{i}$) upon request
95.50.XXX $^{*}$ upon request

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 95.50.200

Steel guide trough | Components as individual parts

Individual parts, trough
1 trough side part, individual, 2m section
95.11 $E_{2}^{1}$ / E44 / E45 $^{1}$ 5.00kg
1 glide bar, plastic, individual, 2m section
92.01 0.75kg
1 glide bar, individual, 2m section + 11 screw sets
92.20 0.98kg
1 package with 11 screw sets (for glide bar, 2m section)
92.21 0.23kg

Individual parts, installation set
1 clamping bracket, individual
95.51 0.16kg
1 countersunk-head screw, individual
92.53 / M6 x 14
1 hexagon nut, individual
92.54 / M6
1 hexagon-head screw, individual
92.55 / M10 x 16
1 glide nut, individual
92.56 / M10
1 C-profile, individual (C-profile length according to dimension $B_R^{i}$)
92.52.XXX $^{*}$ 0.00kg/m

Additional option for simple fixing of the e-chain® without drilling
1 set fixed end module (more information ► Page 1240)
95.80.01 10.00kg

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 95.52.200.E

1) Trough side parts + C-profile - also available in 304 stainless steel, material 1.4301 (AISI 304). Please add index $E$ to the Part No.
2) Trough side parts - also available in 316 stainless steel, material 1.4404 (AISI 316L). Please add index $E44$ to the Part No.
3) Trough side parts - also available in 316 stainless steel, material 1.4571 (AISI 316Ti). Please add index $E45$ to the Part No.
Steel guide trough | C-profile lengths
C-profile length according to dimension $B_a$

<table>
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<tr>
<th>Width $B_a$ [mm]</th>
<th>Part No.</th>
<th>Weight [kg]</th>
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<td>95</td>
<td>15</td>
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<td>105</td>
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<td>110</td>
<td>30</td>
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<tr>
<td>115</td>
<td>35</td>
<td>0.30</td>
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<td>120</td>
<td>40</td>
<td>0.30</td>
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<tr>
<td>125</td>
<td>45</td>
<td>0.30</td>
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<tr>
<td>130</td>
<td>50</td>
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<td>135</td>
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<tr>
<td>140</td>
<td>60</td>
<td>0.30</td>
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</tbody>
</table>

Please add the C-profile length according to the tables on the right page. Example: 95.50.XXX upon request.

Steel guide trough | Full set
Trough side parts
1 set of 2 trough side parts, without glide bars, 2m section
Part No. 99.30 | E4.31L / E4.31L
Weight 10.00kg
1 set of 2 trough side parts, with glide bars, bolted, 2m section
Part No. 99.31 | E4.31L / E4.31L
Weight 10.00kg
Installation sets
1 installation set without C-profile
Part No. 95.50
Weight 0.41kg
1 installation set with C-profile (C-profile length according to dimension $B_a$)
Part No. 95.50.XXX upon request

For the following igus® series
E4.1L
• E4.31L / E4.31L
E4.1
• E4.28 / E4.28
E6.1
• E6.35
E6
• E6.35

Steel guide trough | Components as individual parts
Individual parts, trough
1 trough side part, individual, 2m section
Part No. 99.11 | E1 / E44 / E45
Weight 0.50kg
1 glide bar, plastic, individual, 2m section
Part No. 92.01
Weight 0.75kg
1 glide bar, individual, 2m section + 11 screw sets
Part No. 92.20
Weight 0.98kg
1 package with 11 screw sets (for glide bar, 2m section)
Part No. 92.21
Weight 0.23kg
Individual parts, installation set
1 clamping bracket, individual
Part No. 95.51
Weight 0.16kg
1 countersunk-head screw, individual
Part No. 92.53 / M6 x 14
Weight 0.00kg
1 hexagon nut, individual
Part No. 92.54 / M6
Weight 0.00kg
1 hexagon-head screw, individual
Part No. 92.55 / M10 x 16
Weight 0.00kg
1 glide nut, individual
Part No. 92.56 / M10
Weight 0.00kg
1 C-profile, individual (C-profile length according to dimension $B_a$)
Part No. 92.52 | E1
Weight 0.00kg

Additional option for simple fixing of the e-chain® without drilling
1 set fixed end module (more information Page 1240)
Part No. 99.80.01
Weight 10.00kg

*Please add the C-profile length XXX as shown on the tables in the right page. Example: 95.50.200

1) Trough side parts + C-profile - also available in 304 stainless steel, material 1.4301 (AISI 304). Please add index E to the Part No.
2) Trough side parts - also available in 316 stainless steel, material 1.4404 (AISI 316L). Please add index E to the Part No.
3) Trough side parts - also available in 316 stainless steel, material 1.4571 (AISI 316L). Please add index E to the Part No.

More information | www.igus.eu/steelguide
3D CAD, configurators, service life calculation and more | www.igus.eu/steelguide
Steel guide trough | C-profile lengths

C-profile length according to dimension $B_a$

<table>
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<tr>
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</thead>
<tbody>
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<td>Width index $B_b$ [mm]</td>
<td>Part No.</td>
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<td>060</td>
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<td>360</td>
<td>100</td>
<td>03.00.225</td>
<td>060</td>
</tr>
<tr>
<td>360</td>
<td>100</td>
<td>03.00.225</td>
<td>060</td>
</tr>
</tbody>
</table>

Steel guide trough | Components as individual parts

<table>
<thead>
<tr>
<th>Individual parts, trough</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 trough side part, individual, 2m section</td>
<td>97.30</td>
<td>11.80kg</td>
</tr>
<tr>
<td>1 glide bar, plastic, individual, 2m section</td>
<td>97.31</td>
<td>10.80kg</td>
</tr>
<tr>
<td>1 package with 11 screw sets (for glide bar, 2m section)</td>
<td>92.21</td>
<td>0.23kg</td>
</tr>
<tr>
<td>1 installation set without C-profile</td>
<td>93.50</td>
<td>0.40kg</td>
</tr>
</tbody>
</table>

Steel guide trough | Full set

<table>
<thead>
<tr>
<th>Trough side parts sets</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 set of 2 trough side parts, without glide bars, 2m section</td>
<td>97.30</td>
<td>11.80kg</td>
</tr>
<tr>
<td>1 set of 2 trough side parts, with glide bars, bolted, 2m section</td>
<td>97.31</td>
<td>10.80kg</td>
</tr>
</tbody>
</table>

Steel guide trough | see table on the right page

For the following igus® series

E4.1L
- E4.38L/R4.38L
E4.1
- E4.32/H4.32/R4.32
E6.1
- E61.40
E6
- E6.40/R6.40

For the following igus® system E with extension link on a ship loader for coal handling. Travel 105m, speed 240m/min, fill weight 53kg/m³

www.igus.eu/steelguide
Steel guide trough | C-profile lengths
C-profile length according to dimension $B_{Pa}$

For the following igus® series

<table>
<thead>
<tr>
<th>$E_{2.1}$</th>
<th>$E_{2.48}$</th>
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<tbody>
<tr>
<td>$E_{2.000}$</td>
<td>$E_{350}$</td>
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<tr>
<td>$E_{2R}$</td>
<td>$E_{786}$</td>
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<td>$E_{4.1L}$</td>
<td>$E_{4.48L/R4.48L}$</td>
</tr>
<tr>
<td>$E_{6.1}$</td>
<td>$E_{6.52/R6.52}$</td>
</tr>
</tbody>
</table>

Steel guide trough | Full set
Trough side parts sets
1 set of 2 trough side parts, without glide bars, 2m section
Part No. | Weight
| $93.30$ | $E_{4.44}$ / $E_{4.45}$ | $93.31$ | $E_{4.44}$ / $E_{4.45}$ |

Installation sets
Part No. | Weight
| $93.50$ | $= 0.40kg$ |

Installation set with C-profile
Part No. | Weight
| $93.50$ | $= 0.40kg$ |

Installation set with C-profile (C-profile length according to dimension $B_{Pa}$)
Part No. | Weight
| $93.50$ | $XXX$ | $93.50$ | $XXX$ | upon request |

*Please add the C-profile length XXX as shown on the tables on the right page. Example: $93.50.350$ |

Steel guide trough | Components as individual parts
Individual parts, trough
Part No. | Weight
| $93.11$ | $E_{4.44}$ / $E_{4.45}$ | $93.01$ | $= 1.69kg$ |
| $93.20$ | $= 2.22kg$ |
| $93.21$ | $= 0.54kg$ |

Individual parts, installation set
Part No. | Weight
| $93.51$ | $= 0.20kg$ |

Additional option for simple fixing of the e-chain® without drilling
Part No. | Weight
| $92.52$ | $XXX$ | $93.80$ | $= 11.80kg$ |

*Please add the C-profile length XXX as shown on the tables on the right page. Example: $92.52.350$ |
Steel guide trough | Heavy-duty
Trough height: 170mm | Product range

For the following igus® series

E4.1L
● E4.64L
E4.1
● E4.56/14.56/14.56
E4/light
14040/1410/R18840
14250/14340
E6.1
● E61.62
E6
● E6.62

Options with anti-corrosion mounting angle for especially demanding heavy-duty applications.

Note: The inner width of the guide trough and the C-profile length of the installation set can differ according to the mounting bracket you choose. Please call us.

Steel guide trough | Full set

<table>
<thead>
<tr>
<th>Trough side parts</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 set of 2 trough side parts, <strong>without</strong> glide bars, 2m section</td>
<td>94.30.30/14040/1410/R18840</td>
<td>16.70kg</td>
</tr>
<tr>
<td>1 set of 2 trough side parts, <strong>with</strong> glide bars, bolted, 2m section</td>
<td>94.31.30/14040/1410/R18840</td>
<td>19.00kg</td>
</tr>
</tbody>
</table>

Installation sets

<table>
<thead>
<tr>
<th>Installation set without C-profile</th>
<th>Part No.</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>1 installation set <strong>without</strong> C-profile</td>
<td>94.50.30/14040/1410/R18840</td>
<td>0.59kg</td>
</tr>
</tbody>
</table>

1 installation set **with C-profile length according to dimension B_a**

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 94.50.350

Steel guide trough | Components as individual parts

<table>
<thead>
<tr>
<th>Individual parts, trough</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 trough side part, individual, 2m section</td>
<td>94.11.30/14040/1410/R18840</td>
<td>6.06kg</td>
</tr>
<tr>
<td>1 glide bar, plastic, individual, 2m section</td>
<td>93.01</td>
<td>1.60kg</td>
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<tr>
<td>1 glide bar, individual, 2m section + 11 screw sets</td>
<td>93.20</td>
<td>2.20kg</td>
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<tr>
<td>1 package with 11 screw sets (for glide bar, 2m section)</td>
<td>93.21</td>
<td>0.50kg</td>
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</table>

Individual parts, installation set

<table>
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<tr>
<th>Individual attachment without C-profile</th>
<th>Part No.</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>1 bracketing clamp, bolted</td>
<td>94.51.30/14040/1410/R18840</td>
<td>0.23kg</td>
</tr>
<tr>
<td>1 countersunk-head screw, individual</td>
<td>92.53</td>
<td>M6 x 1.4</td>
</tr>
<tr>
<td>1 hexagon nut, individual</td>
<td>92.54</td>
<td>M6</td>
</tr>
<tr>
<td>1 hexagon-head screw, individual</td>
<td>92.55</td>
<td>M10 x 16</td>
</tr>
<tr>
<td>1 glide nut, individual</td>
<td>92.56/14040/1410/R18840</td>
<td>0.02kg</td>
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</tbody>
</table>

C-profile length according to dimension B_a

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 92.52.350

1) Trough side parts & C-profile - also available in 304 stainless steel, material 1.4301 (AISI 304). Please add index E to the Part No.
2) Trough side parts - also available in 316 stainless steel, material 1.4404 (AISI 316L). Please add index E4 to the Part No.
3) Trough side parts - also available in 316 stainless steel, material 1.4571 (AISI 316L). Please add index E45 to the Part No.
Steel guide trough  |  94.14550.30  |  94.14550.31 | Heavy-duty
Trough height: 170mm  |  Product range

For the following igus® series

E4/light

1) Trough side parts + C-profile - also available in 304 stainless steel, material 1.4301 (AISI 304). Please add index E to the Part No.

Steel guide trough  |  C-profile lengths
C-profile length according to dimension $B_{Ra}$

<table>
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<th>Width $B_{Ra}$ (mm)</th>
<th>Part No.</th>
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<td>upon request</td>
</tr>
</tbody>
</table>

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 94.50.350

Steel guide trough  |  Full set

Trough side parts sets
1 set of 2 trough side parts, **without** glide bars, 2m section 94.14550.30 E4/ E44/ E45 $= 14.70kg$
1 set of 2 trough side parts, **with** glide bars, bolted, 2m section 94.14550.31 E4/ E44/ E45 $= 19.00kg$

Installation sets
1 installation set **without** C-profile 94.50 $= 0.59kg$
1 installation set with C-profile (C-profile length according to dimension $B_{Ra}$) 94.50.XXX $= 0.90kg/m$

Additional option for simple fixing of the e-chain® without drilling
1 package with 11 screw sets (for glide bar, 2m section) 94.50.XXX $= 0.90kg/m$
1 glide bar, individual, 2m section + 11 screw sets 94.50.XXX $= 1.68kg$
1 glide bar, individual, 2m section + 11 screw sets 94.50.XXX $= 2.22kg$
1 package with 11 screw sets (for glide bar, 2m section) 94.50.XXX $= 0.54kg$

Additional option for simple fixing of the e-chain® without drilling
1 set fixed end module (more information Page 1240) 94.14550.80.01 $= 14.70kg$

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 94.50.350

Steel guide trough  |  Components as individual parts

Individual parts, trough
1 trough side part, individual, 2m section 94.11.00 E4/ E44/ E45 $= 7.35kg$
1 glide bar, plastic, individual, 2m section 93.01 $= 1.68kg$
1 glide bar, individual, 2m section + 11 screw sets 93.21 $= 2.22kg$
1 package with 11 screw sets (for glide bar, 2m section) 93.21 $= 0.54kg$

Individual parts, installation set
1 clamping bracket, individual 94.51 $= 0.25kg$
1 countersunk-head screw, individual 92.53 / M6 x 14 $= 0.08kg$
1 hexagon nut, individual 92.54 / M6 $= 0.08kg$
1 hexagon-head screw, individual 92.55 / M10 x 16 $= 0.23kg$
1 glide nut, individual 92.56 / M10 $= 0.23kg$
1 C-profile, individual (C-profile length according to dimension $B_{Ra}$) 92.52.XXX $= 0.00kg/m$

Additional option for simple fixing of the e-chain® without drilling
1 set fixed end module (more information Page 1240) 94.14550.80.01 $= 14.70kg$

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 94.52.350

1) Trough side parts + C-profile - also available in 304 stainless steel, material 1.4301 (AISI 304). Please add index E to the Part No.

2) Trough side parts - also available in 316 stainless steel, material 1.4404 (AISI 316L). Please add index E44 to the Part No.

3) Trough side parts - also available in 316 stainless steel, material 1.4571 (AISI 316H). Please add index E45 to the Part No.

**Fixed end module available upon request. Please consult igus® for delivery time.

www.igus.eu/steelguide
**Steel guide trough** | **96.30 | 96.31** | **Heavy-duty**

**Trough height**: 220mm | **Product range**

---

**Steel guide trough | Full set**

**Trough side parts**

<table>
<thead>
<tr>
<th>1 set of 2 trough side parts, <strong>without</strong> glide bars, 2m section</th>
<th>96.30 E4/4</th>
<th>96.30 E4/4 / E4/5</th>
<th>≈ 22.80kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 set of 2 trough side parts, <strong>with</strong> glide bars, bolted, 2m section</td>
<td>96.31 E4/4</td>
<td>96.31 E4/4 / E4/5</td>
<td>≈ 27.20kg</td>
</tr>
</tbody>
</table>

**Installation sets**

| 1 installation set without C-profile | 96.50 | ≈ 0.73kg |

| 1 installation set with C-profile (C-profile length according to dimension $B_B$) | 96.50 XXX | upon request |

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 96.50.375*

---

**Steel guide trough | Components as individual parts**

**Individual parts, trough**

<table>
<thead>
<tr>
<th>Individual parts, installation set</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 trough side part, individual, 2m section</td>
<td>93.01</td>
<td>1.69kg</td>
</tr>
<tr>
<td>1 glide bar, plastic, individual, 2m section</td>
<td>93.20</td>
<td>2.22kg</td>
</tr>
<tr>
<td>1 glide bar, individual, 2m section + 11 screw sets</td>
<td>93.21</td>
<td>0.54kg</td>
</tr>
<tr>
<td>1 package with 11 screw sets (for glide bar, 2m section)</td>
<td>93.21</td>
<td>0.54kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Individual parts, installation set</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 clamping bracket, individual</td>
<td>96.51</td>
<td>0.37kg</td>
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<tr>
<td>1 countersunk-head screw, individual</td>
<td>92.53 / M6 x 14</td>
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</tr>
<tr>
<td>1 hexagon nut, individual</td>
<td>92.54 / M6</td>
<td></td>
</tr>
<tr>
<td>1 hexagon-head screw, individual</td>
<td>92.55 / M10 x 16</td>
<td></td>
</tr>
<tr>
<td>1 glide nut, individual</td>
<td>92.56 / M10</td>
<td></td>
</tr>
<tr>
<td>1 C-profile, individual (C-profile length according to dimension $B_B$)</td>
<td>92.52 XXX</td>
<td>0.0083kgm</td>
</tr>
</tbody>
</table>

**Additional option for simple fixing of the e-chain® without drilling**

| Part set fixed end module (more information -> Page 1240) | 96.80.01 | ≈ 0.62kg |

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 92.52.375.E  
1. Trough side parts - C-profile also available in 316 stainless steel, material 1.4404 (AISI 316L). Please add index E to the Part No.  
2. Trough side parts - also available in 316 stainless steel, material 1.4571 (AISI 316L). Please add index E44 to the Part No.  
3. Trough side parts - also available in 316 stainless steel, material 1.4571 (AISI 316L). Please add index E44 to the Part No.*

---

**Steel guide trough | C-profile lengths**

**C-profile length according to dimension $B_B$**

<table>
<thead>
<tr>
<th>C-profile length E4</th>
<th>Width [mm]</th>
<th>Part No.</th>
<th>Weight [kg]</th>
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<tbody>
<tr>
<td>96.30.225</td>
<td>95</td>
<td>0.50</td>
<td>0.73</td>
</tr>
<tr>
<td>96.30.250</td>
<td>95</td>
<td>0.50</td>
<td>0.73</td>
</tr>
<tr>
<td>96.30.300</td>
<td>95</td>
<td>0.50</td>
<td>0.73</td>
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<tr>
<td>96.30.350</td>
<td>95</td>
<td>0.50</td>
<td>0.73</td>
</tr>
<tr>
<td>96.30.400</td>
<td>95</td>
<td>0.50</td>
<td>0.73</td>
</tr>
<tr>
<td>96.30.450</td>
<td>95</td>
<td>0.50</td>
<td>0.73</td>
</tr>
<tr>
<td>96.30.500</td>
<td>95</td>
<td>0.50</td>
<td>0.73</td>
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**Part No.**

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<td>96.30.300</td>
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<td>96.30.750</td>
<td>96.30.800</td>
<td>96.30.850</td>
<td>96.30.900</td>
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**Installation set**

<table>
<thead>
<tr>
<th>Installation set</th>
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<th>Weight [kg]</th>
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</thead>
<tbody>
<tr>
<td>96.50</td>
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<td>0.73</td>
</tr>
<tr>
<td>96.50 XXX</td>
<td></td>
<td>upon request</td>
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</tbody>
</table>

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**Installation set with C-profile**

<table>
<thead>
<tr>
<th>Installation set with C-profile (C-profile length according to dimension $B_B$)</th>
<th>Part No.</th>
<th>Weight [kg]</th>
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</thead>
<tbody>
<tr>
<td>96.50</td>
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<td>0.73</td>
</tr>
<tr>
<td>96.50 XXX</td>
<td></td>
<td>upon request</td>
</tr>
</tbody>
</table>

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**Installation set with C-profile**

<table>
<thead>
<tr>
<th>Installation set with C-profile (C-profile length according to dimension $B_B$)</th>
<th>Part No.</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>96.50</td>
<td></td>
<td>0.73</td>
</tr>
<tr>
<td>96.50 XXX</td>
<td></td>
<td>upon request</td>
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**Installation set with C-profile**

<table>
<thead>
<tr>
<th>Installation set with C-profile (C-profile length according to dimension $B_B$)</th>
<th>Part No.</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>96.50</td>
<td></td>
<td>0.73</td>
</tr>
<tr>
<td>96.50 XXX</td>
<td></td>
<td>upon request</td>
</tr>
</tbody>
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**Installation set with C-profile**

<table>
<thead>
<tr>
<th>Installation set with C-profile (C-profile length according to dimension $B_B$)</th>
<th>Part No.</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
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<td>0.73</td>
</tr>
<tr>
<td>96.50 XXX</td>
<td></td>
<td>upon request</td>
</tr>
</tbody>
</table>

---

**Installation set with C-profile**

<table>
<thead>
<tr>
<th>Installation set with C-profile (C-profile length according to dimension $B_B$)</th>
<th>Part No.</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>96.50</td>
<td></td>
<td>0.73</td>
</tr>
<tr>
<td>96.50 XXX</td>
<td></td>
<td>upon request</td>
</tr>
</tbody>
</table>
Steel guide trough | Set No. 98.30 | 98.31 | Heavy-duty

Trough height: 300mm | Product range

For the following igus® series

E4.1
● E4.11/P4,112
● E4/light
● 1640/R1608

Options with x-airfed mounting angles for extremely demanding heavy-duty applications

Note: The inner width of the guide trough and the C-profile length of the installation set can only be specified by the mounting bracket you choose. Please call us.

Steel guide trough | Full set

Trough side parts

- 10 set of 2 trough side parts, without glide bars, 2m section
- 93.40 kg

- 10 set of 2 trough side parts, with glide bars, bolted, 2m section
- 98.31/1240 | E1/light / E1/A4 | E1/B4 / E1/B5
- 93.00 kg

Installation sets

- 1 installation set without C-profile
- 98.50
- 1 installation set with C-profile (C-profile length according to dimension $B_h$)
- 98.50.XXX* upon request

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 98.50.350

Steel guide trough | Components as individual parts

Individual parts, trough

- 1 trough side part, individual, 2m section
- 93.01
- 1 glide bar, plastic, individual, 2m section
- 93.20
- 1 package with 11 screw sets (for glide bar, 2m section)
- 93.21

Individual parts, installation set

- 1 clamping bracket, individual
- 98.51
- 1 countersunk-head screw, individual
- 92.00 / M8 x 20
- 1 hexagon nut, individual
- 92.04 / M8
- 1 hexagon-head screw, individual
- 92.55 / M10 x 16
- 1 glide nut, individual
- 92.56 / M10

- 1 C-profile, individual (C-profile length according to dimension $B_h$)
- 92.52.XXX* [E1] $0.060$ kg/m

Additional option for simple fixing of the e-chain® without drilling

- 1 set fixed end module (more information ➤ Page 1240)
- 98.80.01 $0.34$ kg

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 92.52.375.E

1) Trough side parts + C-profile - also available in 304 stainless steel, material 1.4301 (AISI 304). Please add index E to the Part No.
2) Trough side parts - also available in 316 stainless steel, material 1.4404 (AISI 316L). Please add index E44 to the Part No.
3) Trough side parts - also available in 316 stainless steel, material 1.4571 (AISI 316TI). Please add index E46 to the Part No.
Steel guide trough | 90.30 | 90.31 | Heavy-duty
Trough height: 480mm | Product range

For the following igus® series

E4.1
- 800
- 840

Option: with reinforced mounting angles for extremely demanding heavy-duty applications.

Note: The inner width of the guide trough and the C-profile length of the installation set can differ according to the mounting bracket you choose. Please call us.

Steel guide trough | Full set

Trough side parts sets
1 set of 2 trough side parts, without glide bars, 2m section
20 30 40 50 60 70 80 90 100 110
800 840 880 900 950 1000 1100 1150 1200 1250
Part No. Weight
90.30 E4 / E44 / E45
90.31 E4 / E44 / E45
90.50

Installation sets
1 installation set without C-profile
Part No. Weight
90.50

1 installation set with C-profile (C-profile length according to dimension $B_{p2}$)
Part No. Weight
90.50 XXX**

*Please add the C-profile length XXX as shown on the tables on the right page. Example: 90.50.450

Steel guide trough | Components as individual parts

Individual parts, trough
Part No. Weight
90.11 E4 / E44 / E45
90.01

Glide bar, individual, 2m section
Part No. Weight
90.20

Glide bar, individual, 2m section + 11 screw sets
Part No. Weight
90.21

Individual parts, installation set
1 clamping bracket, individual
Part No. Weight
90.51

Countersunk-head screw, individual
MAT0040014 / M8 x 25

Hexagon nut, individual
MAT0040012 / M8

Hexagon-head screw, individual
MAT0040384 / M12 x 30

C-glide, individual
MAT0040385 / M12

C-profile, individual (C-profile length according to dimension $B_{p2}$)
IE70.41-41.XXX**, E4

Additional option for simple fixing of the e-chain® without drilling
Part No. Weight
90.80.01**

*Please add the C-profile length XXX as shown on the tables on the right page. Example: IE70.41-41.450,E

Assembly of an E4 e-chain® series 800 in a steel guide trough

800

<table>
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<tr>
<td>24</td>
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E44

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<td>90.01.0000</td>
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<td>0.49kg</td>
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E45

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IE70.41-41.XXX**, E4

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*Please add the C-profile length XXX as shown on the tables on the right page. Example: IE70.41-41.450,E

1) Trough side parts = C-profile - also available in 304 stainless steel, material 1.4301 (AISI 304). Please add index E to the Part No.
2) Trough side parts - also available in 316 stainless steel, material 1.4404 (AISI 316L). Please add index E44 to the Part No.
3) Trough side parts - also available in 316 stainless steel, material 1.4571 (AISI 316L). Please add index E45 to the Part No.

www.igus.eu/steelguide