**E2 micro** | **Selection Table**

<table>
<thead>
<tr>
<th>Series</th>
<th>Inner height (Si) [mm]</th>
<th>Inner width (B1) [mm]</th>
<th>Outer width (Ba) [mm]</th>
<th>Outer height (Si) [mm]</th>
<th>Bending radius (R) [mm]</th>
<th>Unsupported max. length (Page)</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>5.0</td>
<td>5 - 10</td>
<td>8.7 - 13.7</td>
<td>8.0</td>
<td>10 - 28</td>
<td>0.40</td>
</tr>
<tr>
<td>04</td>
<td>7.0</td>
<td>7 - 30</td>
<td>12.0 - 35.0</td>
<td>10</td>
<td>15 - 48</td>
<td>0.50</td>
</tr>
<tr>
<td>05</td>
<td>10.0</td>
<td>6 - 64</td>
<td>10.0 - 68.0</td>
<td>12.0</td>
<td>18 - 38</td>
<td>0.55</td>
</tr>
<tr>
<td>045</td>
<td>10.3</td>
<td>6 - 64</td>
<td>12.0 - 70.0</td>
<td>12.5</td>
<td>18 - 83</td>
<td>0.50</td>
</tr>
<tr>
<td>06 1)</td>
<td>10.5</td>
<td>6 - 64</td>
<td>12.5 - 71.0</td>
<td>15.0</td>
<td>18 - 38</td>
<td>0.60</td>
</tr>
<tr>
<td>E2C.10</td>
<td>10.6</td>
<td>06 - 50</td>
<td>13.4 - 57.4</td>
<td>15.0</td>
<td>18 - 38</td>
<td>0.75</td>
</tr>
<tr>
<td>E2C.15</td>
<td>14.9</td>
<td>10 - 50</td>
<td>17.8 - 57.8</td>
<td>19.3</td>
<td>28 - 75</td>
<td>1.30</td>
</tr>
<tr>
<td>08 2)</td>
<td>15.0</td>
<td>10 - 50</td>
<td>18.2 - 58.2</td>
<td>19.3</td>
<td>25 - 48</td>
<td>1.00</td>
</tr>
</tbody>
</table>

**E2 micro - one-piece e-chains®**

- One-piece, non snap-open

<table>
<thead>
<tr>
<th>Series</th>
<th>Inner height (Si) [mm]</th>
<th>Inner width (B1) [mm]</th>
<th>Outer width (Ba) [mm]</th>
<th>Outer height (Si) [mm]</th>
<th>Bending radius (R) [mm]</th>
<th>Unsupported max. length (Page)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E2.10</td>
<td>10.1</td>
<td>06 - 50</td>
<td>13.4 - 57.4</td>
<td>15.0</td>
<td>18 - 38</td>
<td>0.75</td>
</tr>
<tr>
<td>074 **</td>
<td>10.9</td>
<td>10</td>
<td>16.3</td>
<td>15.0</td>
<td>18 - 38</td>
<td>0.55</td>
</tr>
<tr>
<td>094 **</td>
<td>14.3</td>
<td>10</td>
<td>18.2</td>
<td>19.3</td>
<td>28 - 48</td>
<td>1.00</td>
</tr>
<tr>
<td>E2.15</td>
<td>14.4</td>
<td>10 - 50</td>
<td>17.8 - 57.8</td>
<td>19.3</td>
<td>28 - 75</td>
<td>1.30</td>
</tr>
</tbody>
</table>

**E2 micro - one-piece**

- Snap-open along inner radius

**E2 micro - two-piece e-chains®**

- Snap-open along outer radius

---

**Smallest inner heights and bending radii - E2 micro**

E2 micro e-chains® are very small, one-piece and two-piece e-chains® with low weight, making them ideal for highly dynamic applications. E2 micro e-chains® are optimal for smallest installation spaces, and are available in many versions. The “next generation” of E2 micro e-chains® offers a robust square stop dog system and up to 25% longer unsupported lengths as well as 100% more fill weight at 10% lower weight (comparison to similar igus® e-chains®). An e-chain®-opener is included with every series E2.1. Many accessories like interior separation elements and fixation options are available.

Typical industries and applications

- Models (micro e-chains®)
- Automatic doors
- Vehicles
- Measuring machines
- Electric equipment
- Pick and place robots
- General machinery

Universal:
- Mounting bracket with strain relief option, quickflange optionally

Stable:
- Large, assembly-friendly pins for long unsupported lengths

Cable friendly:
- Very smooth contours ensure the best possible cable life

Variety of options:
- Non snap-open or snap-open on the inner or outer radius

Cost-effective:
- Very lightweight, low price

Robust:
- Square stop dog system for large fill weights (E2 micro “next generation”)

Low noise:
- Installed “brake” reduces noise (E2 micro “next generation”)

An e-chain® opener is included with every Series E2.10 and E2.15 that can be opened, which significantly reduces installation time.

IF product design award

1989 igus® Series 05

Cleanroom test upon request

UL94-V2 classification - for Series 03, 074, 094 (UL94-V0 upon request)

Electrically conductive ESD/ATEX versions

Several Series available from stock

For new designs we recommend E2 micro “next generation” Series: 1) E2C.10, 2) E2C.15, 3) E2.10, 4) E2.15
### E2 micro | Technical Data | Overview

#### Technical Data

- **Girling speed / acceleration (maximum)**: max. 3 [m/s²] / max. 10 [m/s²]
- **Speed / acceleration FLₐ max.**: max. 20 [m/s²] / max. 200 [m/s²]
- **Speed / acceleration FLₐ max.**: max. 3 [m/s] / max. 6 [m/s²]
- **Material - permitted temperature °C, igumid G**: -40° up to +120° C
- **Material - permitted temperature °C, igumid NB (only Series 03, 04, 094)**: -40° up to +80° C
- **Material lower part - permitted temperature °C, igumid G (only Series B07, B09)**: -40° up to +120° C
- **Material crossbar - permitted temperature °C, igumid NB (only Series B07, B09)**: -40° up to +80° C
- **Flammability class**: igumid G = VDE 0304 IIC UL94-HB / igumid NB = VDE 0304 IIC UL94-V2

#### Installation methods overview, maximum travels

<table>
<thead>
<tr>
<th>e-chain® Series</th>
<th>Unsupported application</th>
<th>Vertical hanging</th>
<th>Vertical standing</th>
<th>Side mounted Unsupported</th>
<th>Rotary application</th>
<th>Zip-zag application</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>≤ 0,40 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
<tr>
<td>04</td>
<td>≤ 0,50 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
<tr>
<td>05</td>
<td>≤ 0,55 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
<tr>
<td>045</td>
<td>≤ 0,50 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
<tr>
<td>B07 ³</td>
<td>≤ 0,55 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
<tr>
<td>06 ²</td>
<td>≤ 0,60 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
<tr>
<td>E2C.10/E2.10/E2.10</td>
<td>≤ 0,75 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
<tr>
<td>074</td>
<td>≤ 0,55 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
<tr>
<td>094</td>
<td>≤ 1,00 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
<tr>
<td>B09 ⁴</td>
<td>≤ 1,00 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
<tr>
<td>E2C.15/E2.15/E2.15</td>
<td>≤ 1,3 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
<tr>
<td>08 ²</td>
<td>≤ 1,00 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
</tbody>
</table>

For new designs we recommend E2 micro "next generation" Series: 1) E2C.10, 2) E2C.15, 3) E2.10, 4) E2.15

---

### E2 micro | Order keys and Options

#### Options with order keys based on Series E2.10

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Standard</th>
<th>NC-Version - (no camber) without pretension</th>
<th>Reverse bending radius for circular movements</th>
<th>ESD / ATEX classified e-chains¹</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Part No.</td>
<td>Part No.</td>
<td>Part No.</td>
<td>Part No.</td>
</tr>
<tr>
<td></td>
<td>R8R</td>
<td>R8R</td>
<td>R8R</td>
<td>R8R</td>
</tr>
</tbody>
</table>

#### Installation types

- E2C.10/20 R0
- E2C.10/20 R0 NC
- E2C.10/20 R0 R1/R2
- E2C.10/20 R0 ESD

#### Delivery

- Delivery from stock
- Delivery time: upon request
- Delivery time: Several series from stock

#### Delivery time

- Standard: from stock
- Delivery time: upon request
- Delivery time: with rework

#### Order example | Order key and colour options based on Series E2.10

- **Order example for complete e-chain® Series E2.10 (1,0 m), colour black, with mounting brackets and interior separation:**
  - e-chain® (1,0 m) Please indicate e-chain® length or number of links: 1,0 m or 50 links: E2.10.20.R0
  - + Mounting brackets: 1 set (+ tiewrap plates): E2.10.20.34PZ
  - + Interior separation: with 2 separators assembled every 2nd link: E2.10.2.1

**Order example:**

- E2.10.20.R0
- E2.10.20.34PZ
- E2.10.2.1

#### Order key

- e-chain® snap-open along radius
- e-chain® snap-open along inner radius
- One piece, non snap-open

**Order example:**

- E2.10.20.R0 + E2.10.20.34PZ + E2.10.2.1

#### Order key and colour options based on Series E2.10

- **General igus® colour options for e-chains® and e-tubes**
  - E2. 10.20.R0
  - E2C. 20.R0

#### Delivery time for special colours: upon request

**igus® GmbH Germany** | **Phone +49 2203 9649-800** | **Fax -222** | **info@igus.de** | **www.igus.eu**
Series 03 | One-piece, non snap-open e-chain®

<table>
<thead>
<tr>
<th>e-chain®</th>
<th>Bi</th>
<th>Ba</th>
<th>R</th>
<th>Weight (kg/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>non snap-open</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td></td>
</tr>
<tr>
<td>03 . 05. R 0</td>
<td>5</td>
<td>8.7</td>
<td>7</td>
<td>0.04</td>
</tr>
<tr>
<td>03 . 07. R 0</td>
<td>7</td>
<td>10.7</td>
<td>10</td>
<td>0.06</td>
</tr>
<tr>
<td>03 . 10. R 0</td>
<td>10</td>
<td>13.7</td>
<td>10</td>
<td>0.06</td>
</tr>
</tbody>
</table>

Supplement Part No. with required radius (R). Example: 03.05.028.0

Dimensions

Inner height: 5 mm
Pitch: 10 mm/link
Links/m: 100 (1000 mm)
Chain length: S/2 + K

Additional Features

Adapter plate for rapid installation: for all sizes of Part No. 03.10.QF
The adapter has broken edges so that it can be adapted to the respective e-chain® width. It is not absolutely necessary when attaching the mounting brackets. The mounting brackets can also be screwed on without the adapter plate.
Series 04 | One-piece, non snap-open e-chain

<table>
<thead>
<tr>
<th>e-chain category</th>
<th>Bi [mm]</th>
<th>Ba [mm]</th>
<th>R Bending radii [mm]</th>
<th>Weight [kg/m]</th>
</tr>
</thead>
<tbody>
<tr>
<td>non snap-open</td>
<td>04</td>
<td>07</td>
<td>R,0</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>10</td>
<td>R,0</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>16</td>
<td>R,0</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>20</td>
<td>R,0</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>04</td>
<td>30</td>
<td>R,0</td>
<td>30</td>
</tr>
</tbody>
</table>

Supplement Part No. with required radius (R). Example: 04.10.028.0

Drilling pattern for Part No.: 040.07 - 040.20. center bores only / 040.30. outer bores only (see figure above)

Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index A2 or A4.

The required clearance height: \( H_0 = H + 5 \text{ mm} \) (with 0.1 kg/m fill weight)

E2 micro | Series 04 | Accessories

Mounting brackets, polymer one-piece | pivoting | More features | www.igus.eu/04

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>040.07.12PZ</td>
<td>040.07.12PZ</td>
<td>040.07.12</td>
<td>12</td>
<td>12</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>040.10.12PZ</td>
<td>040.10.12PZ</td>
<td>040.10.12</td>
<td>15</td>
<td>15</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>040.16.12PZ</td>
<td>040.16.12PZ</td>
<td>040.16.12</td>
<td>21</td>
<td>21</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>040.20.12PZ</td>
<td>040.20.12PZ</td>
<td>040.20.12</td>
<td>25</td>
<td>25</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>040.30.12PZ</td>
<td>040.30.12PZ</td>
<td>040.30.12</td>
<td>35</td>
<td>35</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Part No. structure

Mounting bracket for selected width index

Full set

A...must be indicated on preassembled configurations.
With strain relief tiewrap plates

Moving end 040...1(PZ)

Fixed end 040...2(PZ)
**E2 micro | Series 05 | Product range**

Low weight, high dynamics, cost-effective

**Series 05 | One-piece, non snap-open e-chain**

<table>
<thead>
<tr>
<th>e-chain</th>
<th>Bi [mm]</th>
<th>Ba [mm]</th>
<th>R Bending radii</th>
<th>Weight [kg/m]</th>
</tr>
</thead>
<tbody>
<tr>
<td>non snap-open</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>05. 06</td>
<td>6</td>
<td>0</td>
<td>018</td>
<td>028</td>
</tr>
<tr>
<td>05. 10</td>
<td>10</td>
<td>0</td>
<td>018</td>
<td>028</td>
</tr>
<tr>
<td>05. 16</td>
<td>16</td>
<td>0</td>
<td>018</td>
<td>028</td>
</tr>
<tr>
<td>05. 20</td>
<td>20</td>
<td>0</td>
<td>018</td>
<td>028</td>
</tr>
<tr>
<td>05. 30</td>
<td>30</td>
<td>0</td>
<td>018</td>
<td>028</td>
</tr>
<tr>
<td>05. 64</td>
<td>64</td>
<td>0</td>
<td>018</td>
<td>028</td>
</tr>
</tbody>
</table>

Supplement Part No. with required radius (R). Example: 05.10.028.0

**Dimensions**

- Inner height: 10 mm
- Pitch: 20 mm/link
- Links/m: 50 (1000 mm)
- Chain length: \( \frac{S}{2} + K \)

**Mounting brackets, polymer one-piece | one side pivoting**

<table>
<thead>
<tr>
<th>Width</th>
<th>Part No.</th>
<th>Dim. A</th>
<th>Dim. B</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Index</td>
<td>full set</td>
<td>[mm]</td>
<td>[mm]</td>
<td></td>
</tr>
<tr>
<td>06.</td>
<td>050.06.12</td>
<td>–</td>
<td>10.7</td>
<td>–</td>
</tr>
<tr>
<td>10.</td>
<td>050.10.12</td>
<td>–</td>
<td>14.7</td>
<td>–</td>
</tr>
<tr>
<td>16.</td>
<td>050.16.12</td>
<td>–</td>
<td>20.7</td>
<td>–</td>
</tr>
<tr>
<td>20.</td>
<td>050.20.12</td>
<td>–</td>
<td>24.7</td>
<td>–</td>
</tr>
<tr>
<td>30.</td>
<td>050.30.12</td>
<td>–</td>
<td>34.7</td>
<td>–</td>
</tr>
<tr>
<td>64.</td>
<td>050.64.12</td>
<td>–</td>
<td>56</td>
<td>68.7</td>
</tr>
</tbody>
</table>

Drilling pattern for Part No.: 050.06 - 050.20. center bores only / 050.30 - 050.64. outer bores only (see figure above)

**Possible installation conditions for assembled mounting brackets.**

For the preassembled mode please add index A1...A4.

- A1
- A2
- A3
- A4

**Part No. structure**

050.10 12 A1

A...must be indicated on preassembled configurations

**Mounting bracket for selected width index**

Un-supported length: \( F_{Lc} = \frac{F_{Lb}}{R} \) [m]

Length of travel: \( S \) [m]

Weight [kg/m]

<table>
<thead>
<tr>
<th>R</th>
<th>018</th>
<th>028</th>
<th>038</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>48</td>
<td>68</td>
<td>88</td>
</tr>
<tr>
<td>D</td>
<td>54</td>
<td>64</td>
<td>74</td>
</tr>
<tr>
<td>K</td>
<td>100</td>
<td>130</td>
<td>160</td>
</tr>
</tbody>
</table>

The required clearance height: \( H_{c} = H + 0.10 \) mm (with 0.2 kg/m fill weight)
### E2 micro | Series 045 | Product range

**Very small pitch, smooth running**

**Series 045 | One-piece, non snap-open e-chain**

<table>
<thead>
<tr>
<th>e-chain</th>
<th>Bi</th>
<th>Ba</th>
<th>R</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>045.06</td>
<td>6</td>
<td>12</td>
<td>R 0</td>
<td>0.09</td>
</tr>
<tr>
<td>045.10</td>
<td>10</td>
<td>16</td>
<td>R 0</td>
<td>0.10</td>
</tr>
<tr>
<td>045.16</td>
<td>16</td>
<td>22</td>
<td>R 0</td>
<td>0.11</td>
</tr>
<tr>
<td>045.20</td>
<td>20</td>
<td>26</td>
<td>R 0</td>
<td>0.13</td>
</tr>
<tr>
<td>045.30</td>
<td>30</td>
<td>36</td>
<td>R 0</td>
<td>0.16</td>
</tr>
<tr>
<td>045.64</td>
<td>64</td>
<td>70</td>
<td>R 0</td>
<td>0.19</td>
</tr>
</tbody>
</table>

*Radius 03 only for Series 045.20 - for other widths available upon request, please consult igus® for delivery time.

Supplement Part No. with required radius. (R). Example: 045.10.028.0

**Dimensions**

- Inner height: 10.3 mm
- Pitch: 13 mm/link
- Links/m: 77 (1001 mm)
- Chain length: S/2 + K

**Mounting brackets, polymer one-piece | one side pivoting**

- Moving end
  - 0450.06(PZ)
- Fixed end
  - 0450.30(PZ)

**Part No. structure**

0450.10.12 PZ

**Moving bracket with strain relief tiewrap plate** has reductions of ø 3 mm / ø 6 mm, 90°.

**Drilling pattern for Part No.**:

- 0450.06 - 0450.20: center bores only
- 0450.30 - 0450.64: outer bores only (see figure above)

**Part No. structure**

0450.10.12 PZ A2

The required clearance height: \( H_{F} = H + 10 \text{ mm} \) (with 0.2 kg/m fill weight)

**3D-CAD files, configurators, PDF**

www.igus.eu/045

*Radius 03 only for Series 045.20 - for other widths available upon request, please consult igus® for delivery time.*
E2 micro | Series B07 | Product range
Snap-open along outer radius, cost-effective
For new designs we recommend E2 micro "next generation": Series E2.10

Series B07 | Two-piece link design, snap-open along outer radius

<table>
<thead>
<tr>
<th>Width Index</th>
<th>Bi [mm]</th>
<th>Ba [mm]</th>
<th>R Bending radii</th>
<th>Weight [kg/m]</th>
</tr>
</thead>
<tbody>
<tr>
<td>060.16</td>
<td>16</td>
<td>22.5</td>
<td>018</td>
<td>028</td>
</tr>
<tr>
<td>060.20</td>
<td>20</td>
<td>27</td>
<td>018</td>
<td>028</td>
</tr>
<tr>
<td>060.30</td>
<td>30</td>
<td>37</td>
<td>018</td>
<td>028</td>
</tr>
<tr>
<td>060.40</td>
<td>40</td>
<td>47</td>
<td>018</td>
<td>028</td>
</tr>
</tbody>
</table>

Supplement Part No. with required radius (R). Example: B07.40.038.0

Dimensions

Inner height 10.3 mm
Pitch 20 mm/link
Links/m 50 (1000 mm)
Chain length \( \frac{S}{2} + K \)

The required clearance height: \( H_e = H + 10 \text{ mm} \) (with 0.2 kg/m fill weight)

E2 micro | Series B07 | Accessories

Mounting brackets, polymer one-piece | locking | More features ▶ www.igus.eu/B07

Drilling pattern for Part No.: 060.16 - 060.20, center bores only / 060.30 - 060.40, outer bores only (see figure above)

Part No. structure

Possible installation conditions for assembled mounting brackets.
For the preassembled mode please add index A1...A4.

3D-CAD files, configurators, PDF ▶ www.igus.eu/B07

igus® GmbH Germany | Phone +49 2203 9649-800 Fax -222 | info@igus.de | www.igus.eu
**Series 06 | One-piece, non snap-open e-chain**

<table>
<thead>
<tr>
<th>e-chain non snap-open</th>
<th>Bi [mm]</th>
<th>Ba [mm]</th>
<th>R [mm]</th>
<th>Bending radii</th>
<th>Weight [kg/m]</th>
</tr>
</thead>
<tbody>
<tr>
<td>06.06.R0</td>
<td>6</td>
<td>12.5</td>
<td></td>
<td></td>
<td>0.13</td>
</tr>
<tr>
<td>06.10.R0</td>
<td>10</td>
<td>16.5</td>
<td></td>
<td></td>
<td>0.14</td>
</tr>
<tr>
<td>06.16.R0</td>
<td>16</td>
<td>22.5</td>
<td></td>
<td></td>
<td>0.16</td>
</tr>
<tr>
<td>06.20.R0</td>
<td>20</td>
<td>27</td>
<td></td>
<td></td>
<td>0.17</td>
</tr>
<tr>
<td>06.30.R0</td>
<td>30</td>
<td>37</td>
<td></td>
<td></td>
<td>0.20</td>
</tr>
<tr>
<td>06.40.R0</td>
<td>40</td>
<td>47</td>
<td></td>
<td></td>
<td>0.23</td>
</tr>
<tr>
<td>06.50.R0</td>
<td>50</td>
<td>57</td>
<td></td>
<td></td>
<td>0.26</td>
</tr>
<tr>
<td>06.64.R0</td>
<td>64</td>
<td>71</td>
<td></td>
<td></td>
<td>0.30</td>
</tr>
</tbody>
</table>

Supplement Part No. with required radius (R). Example: 06.10.028.0

**Dimensions**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>06.06.12PZ</td>
<td>060.06.12</td>
<td>12.5</td>
</tr>
<tr>
<td>06.10.12PZ</td>
<td>060.10.12</td>
<td>16.5</td>
</tr>
<tr>
<td>06.16.12PZ</td>
<td>060.16.12</td>
<td>22.5</td>
</tr>
<tr>
<td>06.20.12PZ</td>
<td>060.20.12</td>
<td>27.0</td>
</tr>
<tr>
<td>06.30.12PZ</td>
<td>060.30.12</td>
<td>37.0</td>
</tr>
<tr>
<td>06.40.12PZ</td>
<td>060.40.12</td>
<td>47.0</td>
</tr>
<tr>
<td>06.50.12PZ</td>
<td>060.50.12</td>
<td>57.0</td>
</tr>
<tr>
<td>06.64.12PZ</td>
<td>060.64.12</td>
<td>71.0</td>
</tr>
</tbody>
</table>

Drilling patterns for Part No.: 060.06. - 060.20. center bores only / 060.30. - 060.64. outer bores only (see figure above)

**Possible installation conditions for assembled mounting brackets.**

For the **preassembled** mode please add index A1, A2.

**Part No. structure**

060.10.12PZ A1

A... must be indicated on preassembled configurations

With strain relief tiewrap plates

Full set
Mounting bracket for selected width index

The required clearance height: \( H_p = H + 10 \text{ mm} \) (with 0.2 kg/m fill weight)
**Dimensions**

- **Bi**: [mm]
- **Ba**: [mm]
- **R**: [mm]
- **E2.10**: [kg/m]
- **E2.10**: [kg/m]
- **E2.10**: [kg/m]

<table>
<thead>
<tr>
<th>Bi</th>
<th>Ba</th>
<th>R</th>
<th>E2.10</th>
<th>E2.10</th>
<th>E2.10</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>13.4</td>
<td>018</td>
<td>028</td>
<td>036</td>
<td>0.13</td>
</tr>
<tr>
<td>10</td>
<td>17.4</td>
<td>018</td>
<td>028</td>
<td>036</td>
<td>0.14</td>
</tr>
<tr>
<td>16</td>
<td>23.4</td>
<td>018</td>
<td>028</td>
<td>036</td>
<td>0.16</td>
</tr>
<tr>
<td>20</td>
<td>27.4</td>
<td>018</td>
<td>028</td>
<td>036</td>
<td>0.17</td>
</tr>
<tr>
<td>30</td>
<td>37.4</td>
<td>018</td>
<td>028</td>
<td>036</td>
<td>0.19</td>
</tr>
<tr>
<td>40</td>
<td>47.4</td>
<td>018</td>
<td>028</td>
<td>036</td>
<td>0.22</td>
</tr>
</tbody>
</table>

Supplement Part No. with required radius (R). Example: **E2.10.038.0**

**Accessories**

- **Moving end**
  - Two side pivoting
  - One side pivoting
  - Locking
  - Fixed end

**Width Index**

- **Part No.**
- **Full set with tie wrap plates**
- **Two side pivoting**
- **One side pivoting**
- **Locking**
- **Dim. A** [mm]
- **Dim. B** [mm]
- **Number of teeth**

**Part No. structure**

- **E2.10.20.34PZ1**
- **A1**: Must be indicated on preassembled configurations with strain relief tie wrap plates.

**Possible installation conditions for assembled mounting brackets.**

- **A1**: Moving end
- **A2**: Fixed end
- **A3**: Snap-open along inner radius from both sides
- **A4**: Snap-open along outer radius from both sides

**Additional Features**

- The quick flange can be clipped-in laterally in all mounting brackets.
- Housing for hexagonal nut or cylinder head screws M3. **Single**: Part No. **E2.15QF** / incl. mounting bracket Part No. **E2.10.20.34PZF**

**ESD/ATEX permanently conductive e-chains** - Several widths with delivery from stock.

**Inner widths** Bi 16 - 30, radii R 018 - 038. Full ESD product range - [www.igus.eu/ESD](http://www.igus.eu/ESD)
**E2 micro | Series E2.10 | Accessories**  
**Interior separation | New generation**

Note E2C.10: For one-piece, non-snap-open please assemble the interior separation before fitting the e-chain®!
As standard separators are assembled every 2" e-chain® link.

**Standard - for any application**

For a simple vertical subdivision on e-chains®. Separators can be arranged anywhere in the e-chain® cross section. No snap-in option, freely movable.

**Locks safely onto in 2.5 mm increments**

For exact positioning in e-chains®. Recommended for side-mounted applications. Abrasion-optimised, cable-friendly design of the separator.

---

**E2 micro | Series E2.10 | Accessories**  
**Assembly tools | Save assembly time**

**Save assembly time - Interior separation assembly tool for the E2 micro “next generation”**
- Convenient insertion of separators and shelves
- Significant assembly time reduction
- Grip and mount can be ordered separately and are easy to change

More information [www.igus.eu/E2.1open](http://www.igus.eu/E2.1open)

**e-chain® opener for the E2 micro “next generation”**
An e-chain® opener is included with every Series E2.10 and E2.15 that can be opened. The opening of the e-chain® links at high speeds saves significant installation time. Open a long piece of e-chain® in one go. It's the ideal tool for your own mounting or assembly lines to minimise processing time significantly.

More information [www.igus.eu/E2.1open](http://www.igus.eu/E2.1open)

**Up to 75% less wear - Increase the service life of cables even further**

Igus® separators optimally adapted to cable geometry. They increase the service life of the cables up to factor 4.
- Abrasion-optimised, cable-friendly design, long service life
- Mounting-optimised - a simpler and faster assembly
- Easy-to-use interior separation range for any application
- Standard separator - no snap-in option, freely movable
- Notch separator - locks safely onto in 2.5 mm increments
- Partial horizontal subdivision is possible - Series E2.15

---

Igus® GmbH Germany | Phone +49 2203 9649-800 Fax -222 | info@igus.de | www.igus.eu
Series 074 | One-piece, snap-open along inner radius with film-hinge

<table>
<thead>
<tr>
<th>Snap-open along inner radius</th>
<th>Bi [mm]</th>
<th>Ba [mm]</th>
<th>R Bending radii [mm]</th>
<th>Weight [kg/m]</th>
</tr>
</thead>
<tbody>
<tr>
<td>074.10. R0</td>
<td>10</td>
<td>16,3</td>
<td>018 028 038</td>
<td>0,15</td>
</tr>
<tr>
<td>074.16. R0</td>
<td>16</td>
<td>22,3</td>
<td>018 028 038</td>
<td>0,16</td>
</tr>
<tr>
<td>074.20. R0</td>
<td>20</td>
<td>26,3</td>
<td>018 028 038</td>
<td>0,17</td>
</tr>
<tr>
<td>074.30. R0*</td>
<td>30</td>
<td>36,3</td>
<td>018 028 038</td>
<td>0,20</td>
</tr>
<tr>
<td>074.40. R0*</td>
<td>40</td>
<td>46,3</td>
<td>018 028 038</td>
<td>0,23</td>
</tr>
</tbody>
</table>

*Width available upon request, please consult igus® for delivery time.

Supplement Part No. with required radius (R). Example: 074.16.018.0

Dimensions

- Inner height: 10.9 mm
- Pitch: 20 mm/link
- Links/m: 50 (0.000 m/)
- Chain length: \( s/2 + K \)

Moving end Fixed end

- Mounting brackets, polymer one-piece | locking | More features www.igus.eu/074
- Width index
- Part No. full set with tiewrap plates
- Part No. full set without tiewrap plates
- Dim. A [mm]
- Dim. B [mm]
- Number of teeth

<table>
<thead>
<tr>
<th>Width Index</th>
<th>Part No. full set with tiewrap plates</th>
<th>Part No. full set without tiewrap plates</th>
<th>Dim. A [mm]</th>
<th>Dim. B [mm]</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>.10</td>
<td>060.10. 12PZ</td>
<td>060.10. 12</td>
<td>-</td>
<td>16,5</td>
<td>1</td>
</tr>
<tr>
<td>.16</td>
<td>060.16. 12PZ</td>
<td>060.16. 12</td>
<td>-</td>
<td>22,5</td>
<td>2</td>
</tr>
<tr>
<td>.20</td>
<td>060.20. 12PZ</td>
<td>060.20. 12</td>
<td>-</td>
<td>27</td>
<td>2</td>
</tr>
<tr>
<td>.30</td>
<td>060.30. 12PZ*</td>
<td>060.30. 12*</td>
<td>22</td>
<td>37</td>
<td>3</td>
</tr>
<tr>
<td>.40</td>
<td>060.40. 12PZ*</td>
<td>060.40. 12*</td>
<td>32</td>
<td>47</td>
<td>4</td>
</tr>
</tbody>
</table>

*Width available upon request, please consult igus® for delivery time.

Drilling pattern for Part No.: 060.10. - 060.20. center bores only / 060.30. - 060.40. outer bores only (see figure above).

Part No. structure

- A1... must be indicated on preassembled configurations
- With strain relief tiewrap plates
- Full set Mounting bracket for selected width index

Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index A1... AA.

E2 micro | Series 074 | Product range
Snap-open along inner radius, cost-effective

Series 074 | One-piece, snap-open along inner radius with film-hinge

- Inner height: 10.9 mm
- Pitch: 20 mm/link
- Links/m: 50 (0.000 m/)
- Chain length: \( s/2 + K \)

R 018 028 038
- H 51 71 91
- D 56 66 76
- K 100 130 160

The required clearance height: \( H_r = H + 10 \text{ mm} \) (with 0.2 kg/m III weight)

---

290 | 3D-CAD files, configurators, PDF | www.igus.eu/074

E2 micro | Series 074 | Accessories
Mounting brackets, polymer one-piece | locking | More features www.igus.eu/074

<table>
<thead>
<tr>
<th>Width Index</th>
<th>Part No. full set with tiewrap plates</th>
<th>Part No. full set without tiewrap plates</th>
<th>Dim. A [mm]</th>
<th>Dim. B [mm]</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>.10</td>
<td>060.10. 12PZ</td>
<td>060.10. 12</td>
<td>-</td>
<td>16,5</td>
<td>1</td>
</tr>
<tr>
<td>.16</td>
<td>060.16. 12PZ</td>
<td>060.16. 12</td>
<td>-</td>
<td>22,5</td>
<td>2</td>
</tr>
<tr>
<td>.20</td>
<td>060.20. 12PZ</td>
<td>060.20. 12</td>
<td>-</td>
<td>27</td>
<td>2</td>
</tr>
<tr>
<td>.30</td>
<td>060.30. 12PZ*</td>
<td>060.30. 12*</td>
<td>22</td>
<td>37</td>
<td>3</td>
</tr>
<tr>
<td>.40</td>
<td>060.40. 12PZ*</td>
<td>060.40. 12*</td>
<td>32</td>
<td>47</td>
<td>4</td>
</tr>
</tbody>
</table>

*Width available upon request, please consult igus® for delivery time.

Drilling pattern for Part No.: 060.10. - 060.20. center bores only / 060.30. - 060.40. outer bores only (see figure above).

Part No. structure

- A1... must be indicated on preassembled configurations
- With strain relief tiewrap plates
- Full set Mounting bracket for selected width index

Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index A1... AA.
E2 micro | Series 094 | Product range
Snap-open along inner radius, cost-effective

Series 094 | One-piece, snap-open along inner radius with film-hinge

<table>
<thead>
<tr>
<th>Snop-open along inner radius</th>
<th>Bi [mm]</th>
<th>Ba [mm]</th>
<th>R [mm]</th>
<th>Bending radii</th>
<th>Weight [kg/m]</th>
</tr>
</thead>
<tbody>
<tr>
<td>094.10. R0</td>
<td>10</td>
<td>18,2</td>
<td>028</td>
<td>038</td>
<td>048</td>
</tr>
<tr>
<td>094.16. R0</td>
<td>16</td>
<td>24,2</td>
<td>028</td>
<td>038</td>
<td>048</td>
</tr>
<tr>
<td>094.20. R0</td>
<td>20</td>
<td>28,2</td>
<td>028</td>
<td>038</td>
<td>048</td>
</tr>
<tr>
<td>094.30. R0</td>
<td>30</td>
<td>38,2</td>
<td>028</td>
<td>038</td>
<td>048</td>
</tr>
<tr>
<td>094.40. R0</td>
<td>40</td>
<td>48,2</td>
<td>028</td>
<td>038</td>
<td>048</td>
</tr>
</tbody>
</table>

*Width available upon request, please consult igus® for delivery time.
Supplement Part No. with required radius (R). Example: 094.10.028.0

Dimensions

- Inner height: 14,3 mm
- Pitch: 20 mm/link
- Links/m: 50 (0.000 mm)
- Chain length: \( \frac{S}{2} + K \)

Possible installation conditions for assembled mounting brackets.
For the preassembled mode please add index A1, A2, A3, A4.

Mounting brackets, polymer one-piece | locking | More features ▶ www.igus.eu/094

Moving end
080,...10PZ 080,...12

Fixed end
080,...20PZ

Width Index

<table>
<thead>
<tr>
<th>Part No. full set with tiewrap plates</th>
<th>Part No. full set without tiewrap plates</th>
<th>Dim. A [mm]</th>
<th>Dim. B [mm]</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>080.10.12PZ</td>
<td>080.10.12</td>
<td>-</td>
<td>18,2</td>
<td>1</td>
</tr>
<tr>
<td>080.16.12PZ</td>
<td>080.16.12</td>
<td>-</td>
<td>24,2</td>
<td>2</td>
</tr>
<tr>
<td>080.20.12PZ</td>
<td>080.20.12</td>
<td>-</td>
<td>28,2</td>
<td>2</td>
</tr>
<tr>
<td>080.30.12PZ</td>
<td>080.30.12</td>
<td>22</td>
<td>38,2</td>
<td>3</td>
</tr>
<tr>
<td>080.40.12PZ</td>
<td>080.40.12</td>
<td>32</td>
<td>48,2</td>
<td>4</td>
</tr>
</tbody>
</table>

*Width available upon request, please consult igus® for delivery time.
Drilling pattern for Part No.: 080.10. - 080.20. center bores only / 080.30. - 080.40. all bores (see figure above)

Part No. structure
080.10. 12 PZ A1
A... must be indicated on preassembled configurations.
With strain relief tiewrap plates.

Mounting bracket for selected width index.

igus® GmbH Germany | Phone +49 2203 9649-800 | Fax -222 | info@igus.de | www.igus.eu

238 3D-CAD files, configurators, PDF ▶ www.igus.eu/094
E2 micro | Series B09 | Product range
Snap-open along outer radius, cost-effective
For new designs we recommend E2 micro "next generation": Series E2.15

--

Series B09 | Two-piece link design, snap-open along outer radius

<table>
<thead>
<tr>
<th>Snap-open along outer radius</th>
<th>Bi [mm]</th>
<th>Ba [mm]</th>
<th>R [mm]</th>
<th>Bending radii</th>
<th>Weight [kg/m]</th>
</tr>
</thead>
<tbody>
<tr>
<td>B09. 16.R,0</td>
<td>16</td>
<td>24,2</td>
<td></td>
<td></td>
<td>0,24</td>
</tr>
<tr>
<td>B09. 20.R,0</td>
<td>20</td>
<td>28,2</td>
<td></td>
<td></td>
<td>0,25</td>
</tr>
<tr>
<td>B09. 30.R,0</td>
<td>30</td>
<td>38,2</td>
<td></td>
<td></td>
<td>0,28</td>
</tr>
<tr>
<td>B09. 40.R,0</td>
<td>40</td>
<td>48,2</td>
<td></td>
<td></td>
<td>0,31</td>
</tr>
</tbody>
</table>

Supplement Part No. with required radius (R). Example: B09.40.038.0

Dimensions

<table>
<thead>
<tr>
<th>Width [mm]</th>
<th>Part No. full set with tiewrap plates</th>
<th>Part No. full set without tiewrap plates</th>
<th>Dim. A [mm]</th>
<th>Dim. B [mm]</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>080...16.PZ</td>
<td>080.16. 12.PZ</td>
<td>080.16. 12</td>
<td>24,2</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>080...20.PZ</td>
<td>080.20. 12.PZ</td>
<td>080.20. 12</td>
<td>28,2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>080...30.PZ</td>
<td>080.30. 12.PZ</td>
<td>080.30. 12</td>
<td>32</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

Drilling pattern for Part No.: 080.16. - 080.20. center bores only / 080.30. - 080.40. all bores (see figure above)

Part No. structure

Accessories

Mounting brackets, polymer one-piece | locking | More features ▶ www.igus.eu/B09

Moving end

Fixed end

Width Index

Part No. full set with tiewrap plates

Part No. full set without tiewrap plates

Dim. A [mm]

Dim. B [mm]

Number of teeth

Moving end

Fixed end

Dimensions

Angles

Inner height

Pitch

Links/m

Chain length

FLG

FLB

Unsuspended length

R

H

D

K

028

038

048

The required clearance height: \( h_c = H + 15 \) mm (with 0.3 kg/m fill weight)

240 3D-CAD files, configurators, PDF ▶ www.igus.eu/B09

igus® GmbH Germany | Phone +49 2203 9649-800 Fax -222 | info@igus.de | www.igus.eu
Series E2.15 | Snap-open along outer radius from both sides | Standard
Series E2.15 | Snap-open along inner radius from both sides
Series E2i.15 | One-piece, non-snap-open e-chain

### Dimensions

<table>
<thead>
<tr>
<th>Bi (mm)</th>
<th>Ba (mm)</th>
<th>R (mm)</th>
<th>E2.15 (kg/m)</th>
<th>E2i.15 (kg/m)</th>
<th>E2C.15 (kg/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E2.15.10.0</td>
<td>E2.15.10.0</td>
<td>E2C.15.10.0</td>
<td>10</td>
<td>17.8</td>
<td>028</td>
</tr>
<tr>
<td>E2.15.13.0</td>
<td>E2.15.13.0</td>
<td>E2C.15.13.0</td>
<td>13</td>
<td>20.8</td>
<td>028</td>
</tr>
<tr>
<td>E2.15.16.0</td>
<td>E2.15.16.0</td>
<td>E2C.15.16.0</td>
<td>16</td>
<td>23.8</td>
<td>028</td>
</tr>
<tr>
<td>E2.15.20.0</td>
<td>E2.15.20.0</td>
<td>E2C.15.20.0</td>
<td>20</td>
<td>27.8</td>
<td>028</td>
</tr>
<tr>
<td>E2.15.30.0</td>
<td>E2.15.30.0</td>
<td>E2C.15.30.0</td>
<td>30</td>
<td>37.8</td>
<td>028</td>
</tr>
<tr>
<td>E2.15.40.0</td>
<td>E2.15.40.0</td>
<td>E2C.15.40.0</td>
<td>40</td>
<td>47.8</td>
<td>028</td>
</tr>
<tr>
<td>E2.15.50.0</td>
<td>E2.15.50.0</td>
<td>E2C.15.50.0</td>
<td>50</td>
<td>57.8</td>
<td>028</td>
</tr>
</tbody>
</table>

Supplement Part No. with required radius (R). Example: E2.15.20.038.0

### Additional Features

E2 micro | Series E2.15 | Accessory

Moving end
- E2.150.3PZ
- E2.150.5PZ
- E2.150.1PZ
- E2.150.4PZ
- E2.150.5PZ

Fixed end
- E2.150.4PZ
- E2.150.5PZ

One-piece, non-snap-open e-chain

**ESD/ATEX permanently conductive e-chains** – Several widths with delivery from stock:
- Inner widths: Bi 16–30, radii R 028–048
- Full ESD product range: [www.igus.eu/ESD](http://www.igus.eu/ESD)

E2 micro | Series E2.15 | 3D-CAD files, configurators, PDF: [www.igus.eu/E2.15](http://www.igus.eu/E2.15)

---

* One-side pivoting: Pivot angle = bending radius.

**One-side or two-side pivoting**

### Part No. E2.150.12PZ

- E2.150.10.12PZ
- E2.150.13.12PZ
- E2.150.16.12PZ
- E2.150.20.12PZ
- E2.150.30.12PZ
- E2.150.40.12PZ
- E2.150.50.12PZ

**Part No. structure**

E2 micro | Series E2.15 | 3D-CAD files, configurators, PDF: [www.igus.eu/E2.15](http://www.igus.eu/E2.15)

---

* One-side pivoting: Pivot angle = bending radius.

**One-side or two-side pivoting**

### Part No. E2.150.12PZ

- E2.150.10.12PZ
- E2.150.13.12PZ
- E2.150.16.12PZ
- E2.150.20.12PZ
- E2.150.30.12PZ
- E2.150.40.12PZ
- E2.150.50.12PZ

**Part No. structure**

E2 micro | Series E2.15 | 3D-CAD files, configurators, PDF: [www.igus.eu/E2.15](http://www.igus.eu/E2.15)
**E2 micro | Series E2.15 | Accessories**

**Interior separation | New generation**

- **Note E2C.15:** For one-piece, non-snap-open please assemble the interior separation before fitting the e-chain!

- As standard separators are assembled every 2” e-chain link.

- **Standard - for any application**
  - Is used when vertical separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements. No snap-in option, freely movable.

- **Notch separator for notch crossbar**
  - Unassembled E2.15.5
  - Assembled E2.15.5.1

- **Locks safely onto in 2.5 mm increments**
  - For exact positioning in e-chains. Recommended for side-mounted applications. Abrasion-optimised, cable-friendly design of the separator.

- **Full-width shelf 110.X**
  - This option makes sense in applications with many thin cables with similar diameters. For a consequent subdivision.

**Full-width shelves**

<table>
<thead>
<tr>
<th>Width X [mm]</th>
<th>unassembled</th>
<th>assembled</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>110.10</td>
<td>111.10</td>
</tr>
<tr>
<td>013</td>
<td>110.13</td>
<td>111.13</td>
</tr>
<tr>
<td>016</td>
<td>110.16</td>
<td>111.16</td>
</tr>
</tbody>
</table>

**Save assembly time - Interior separation assembly tool for the E2 micro "next generation"**

- Convenient insertion of separators and shelves
- Significant assembly time reduction
- Grip and mount can be ordered separately and is easy to change

More information ➤ www.igus.eu/E2.1open

**e-chain opener for the E2 micro "next generation"**

An e-chain opener is included with every Series E2.10 and E2.15 that can be opened. The opening of the e-chain links at high speeds saves significant installation time. Open a long piece of e-chain in one go. It's the ideal tool for your own mounting or assembly lines to minimise processing time significantly.

More information ➤ www.igus.eu/E2.1open

**Up to 75% less wear - Increase the service life of cables even further**

- igus separators optimally adapted to cable geometry. They increase the service life of the cables up to factor 4.
- Abrasion-optimised, cable-friendly design
- Long service life
- Mounting-optimised - a simpler and faster assembly
- Easy-to-use interior separation range for any application
- Standard separator - no snap-in option, freely movable
- Notch separator - locks safely onto in 2.5 mm increments
- Partial horizontal subdivision is possible - Series E2.15

---

See complete information ➤ www.igus.eu
**Series 08 | One-piece, non snap-open e-chain**

<table>
<thead>
<tr>
<th>e-chain*</th>
<th>Bi</th>
<th>Ba</th>
<th>R</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>non snap-open</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>08 10</td>
<td>R,0</td>
<td>10</td>
<td>18.2</td>
<td>0.21</td>
</tr>
<tr>
<td>08 13</td>
<td>R,0</td>
<td>13</td>
<td>21.2</td>
<td>0.23</td>
</tr>
<tr>
<td>08 16</td>
<td>R,0</td>
<td>16</td>
<td>24.2</td>
<td>0.24</td>
</tr>
<tr>
<td>08 20</td>
<td>R,0</td>
<td>20</td>
<td>28.2</td>
<td>0.25</td>
</tr>
<tr>
<td>08 30</td>
<td>R,0</td>
<td>30</td>
<td>38.2</td>
<td>0.28</td>
</tr>
<tr>
<td>08 40</td>
<td>R,0</td>
<td>40</td>
<td>48.2</td>
<td>0.31</td>
</tr>
<tr>
<td>08 50</td>
<td>R,0</td>
<td>50</td>
<td>58.2</td>
<td>0.37</td>
</tr>
</tbody>
</table>

*Radius available upon request, please consult igus for delivery time.

Supplement Part No. with required radius (R). Example: 08.50.038.0

---

**Dimensions**

- **Inner height**: 15 mm
- **Pitch**: 20 mm/link
- **Links/m**: 50 (1000 mm)
- **Chain length**: \( \frac{S}{2} + K \)

---

**E2 micro | Series 08 | Accessories**

**Mounting brackets, polymer one-piece | locking | More features**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>full set with tiewrap plates</th>
<th>full set without tiewrap plates</th>
<th>Dim. A (mm)</th>
<th>Dim. B (mm)</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>080.10</td>
<td>12PZ</td>
<td>080.10.12</td>
<td>–</td>
<td>18.2</td>
<td>1</td>
</tr>
<tr>
<td>080.13</td>
<td>12PZ*</td>
<td>080.13.12</td>
<td>–</td>
<td>21.2</td>
<td>–</td>
</tr>
<tr>
<td>080.16</td>
<td>12PZ</td>
<td>080.16.12</td>
<td>–</td>
<td>24.2</td>
<td>2</td>
</tr>
<tr>
<td>080.20</td>
<td>12PZ</td>
<td>080.20.12</td>
<td>–</td>
<td>28.2</td>
<td>2</td>
</tr>
<tr>
<td>080.30</td>
<td>12PZ</td>
<td>080.30.12</td>
<td>22</td>
<td>38.2</td>
<td>3</td>
</tr>
<tr>
<td>080.40</td>
<td>12PZ</td>
<td>080.40.12</td>
<td>32</td>
<td>48.2</td>
<td>4</td>
</tr>
<tr>
<td>080.50</td>
<td>12PZ</td>
<td>080.50.12</td>
<td>42</td>
<td>58.2</td>
<td>5</td>
</tr>
</tbody>
</table>

*Radius available upon request, please consult igus for delivery time.

Drilling pattern for Part No.: 080.10 - 080.20. Center bores only / 080.30 - 080.50. All bores (see figure above).

**Interior separation**

- **Slotted separator B09.2**
  - Used when vertical separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.
  - Possible installation conditions for assembled mounting brackets.
  - Full-width shelf 110.X
  - This option makes sense in applications with many thin cables with similar diameters. For a consequent subdivision.

---

**Series 08 | One-piece, non snap-open e-chain**

- **R**
  - **Height**
  - **Bending radii**
  - **Weight**

- **Dimensions**

- **Inner height**: 15 mm
- **Pitch**: 20 mm/link
- **Links/m**: 50 (1000 mm)
- **Chain length**: \( \frac{S}{2} + K \)

---

**E2 micro | Series 08 | Accessories**

**Mounting brackets, polymer one-piece | locking | More features**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>full set with tiewrap plates</th>
<th>full set without tiewrap plates</th>
<th>Dim. A (mm)</th>
<th>Dim. B (mm)</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>080.10</td>
<td>12PZ</td>
<td>080.10.12</td>
<td>–</td>
<td>18.2</td>
<td>1</td>
</tr>
<tr>
<td>080.13</td>
<td>12PZ*</td>
<td>080.13.12</td>
<td>–</td>
<td>21.2</td>
<td>–</td>
</tr>
<tr>
<td>080.16</td>
<td>12PZ</td>
<td>080.16.12</td>
<td>–</td>
<td>24.2</td>
<td>2</td>
</tr>
<tr>
<td>080.20</td>
<td>12PZ</td>
<td>080.20.12</td>
<td>–</td>
<td>28.2</td>
<td>2</td>
</tr>
<tr>
<td>080.30</td>
<td>12PZ</td>
<td>080.30.12</td>
<td>22</td>
<td>38.2</td>
<td>3</td>
</tr>
<tr>
<td>080.40</td>
<td>12PZ</td>
<td>080.40.12</td>
<td>32</td>
<td>48.2</td>
<td>4</td>
</tr>
<tr>
<td>080.50</td>
<td>12PZ</td>
<td>080.50.12</td>
<td>42</td>
<td>58.2</td>
<td>5</td>
</tr>
</tbody>
</table>

*Radius available upon request, please consult igus for delivery time.

Drilling pattern for Part No.: 080.10 - 080.20. Center bores only / 080.30 - 080.50. All bores (see figure above).

**Interior separation**

- **Slotted separator B09.2**
  - Used when vertical separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.
  - Possible installation conditions for assembled mounting brackets.
  - Full-width shelf 110.X
  - This option makes sense in applications with many thin cables with similar diameters. For a consequent subdivision.

---

**Series 08 | One-piece, non snap-open e-chain**

- **R**
  - **Height**
  - **Bending radii**
  - **Weight**

- **Dimensions**

- **Inner height**: 15 mm
- **Pitch**: 20 mm/link
- **Links/m**: 50 (1000 mm)
- **Chain length**: \( \frac{S}{2} + K \)

---

**E2 micro | Series 08 | Accessories**

**Mounting brackets, polymer one-piece | locking | More features**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>full set with tiewrap plates</th>
<th>full set without tiewrap plates</th>
<th>Dim. A (mm)</th>
<th>Dim. B (mm)</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>080.10</td>
<td>12PZ</td>
<td>080.10.12</td>
<td>–</td>
<td>18.2</td>
<td>1</td>
</tr>
<tr>
<td>080.13</td>
<td>12PZ*</td>
<td>080.13.12</td>
<td>–</td>
<td>21.2</td>
<td>–</td>
</tr>
<tr>
<td>080.16</td>
<td>12PZ</td>
<td>080.16.12</td>
<td>–</td>
<td>24.2</td>
<td>2</td>
</tr>
<tr>
<td>080.20</td>
<td>12PZ</td>
<td>080.20.12</td>
<td>–</td>
<td>28.2</td>
<td>2</td>
</tr>
<tr>
<td>080.30</td>
<td>12PZ</td>
<td>080.30.12</td>
<td>22</td>
<td>38.2</td>
<td>3</td>
</tr>
<tr>
<td>080.40</td>
<td>12PZ</td>
<td>080.40.12</td>
<td>32</td>
<td>48.2</td>
<td>4</td>
</tr>
<tr>
<td>080.50</td>
<td>12PZ</td>
<td>080.50.12</td>
<td>42</td>
<td>58.2</td>
<td>5</td>
</tr>
</tbody>
</table>

*Radius available upon request, please consult igus for delivery time.

Drilling pattern for Part No.: 080.10 - 080.20. Center bores only / 080.30 - 080.50. All bores (see figure above).

**Interior separation**

- **Slotted separator B09.2**
  - Used when vertical separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.
  - Possible installation conditions for assembled mounting brackets.
  - Full-width shelf 110.X
  - This option makes sense in applications with many thin cables with similar diameters. For a consequent subdivision.
**Small and medium sizes - E2 mini**

**E2 mini** are small one-piece or two-piece e-chains®, recommended for high dynamic applications. igus® also offers a host of accessories and fixation options. "Upgrades" to openable versions are available for many types; they are interchangeable and can also serve as replacements.

- Space-efficient: Smallest inner heights and bending radii
- Smooth: Dirt-repellent exterior
- Quiet: Small pitch for smooth running
- Variations: Available as two-piece design, snap-open along inner radius (Series 14/F17)
- Special version: Available as one-piece design, non snap-open (Series 10/11.031/11.080/11.1/11.)
- Typical industries and applications:
  - Construction machinery
  - Handling
  - Furniture
  - Packaging machines
  - Textile machines
  - Vehicle construction
  - Woodworking machines
  - Glass machines
  - Automation
  - General machinery

**Variations:**
- Available as two-piece design, snap-open along inner radius (Series B15/B17)
- Available as two-piece design, snap-open along outer radius (Series B15/B17)
- Available as one-piece design, non snap-open (Series 10/11.031/11.080/11.1/11.)

- Cleanroom Class 1 (ISO class 3) for Series 10, tested by the Dryden Engineering Company, California
- UL94-V2 classification - for Series 14 and F17 (UL94-V0 upon request)
- Electrically conductive ESD/ATEX versions upon request

**Selection Table**

<table>
<thead>
<tr>
<th>Series</th>
<th>Inner height hi (mm)</th>
<th>Inner width Bi (mm)</th>
<th>Outer width Ba (mm)</th>
<th>Outer height ha (mm)</th>
<th>Bending radius R (mm)</th>
<th>Unsupported max. length (mm)</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>18</td>
<td>15 - 100</td>
<td>26 - 113</td>
<td>23</td>
<td>028 - 180</td>
<td>1.20</td>
<td>252</td>
</tr>
<tr>
<td>11.031</td>
<td>23</td>
<td>31</td>
<td>41.2</td>
<td>28</td>
<td>045 - 070</td>
<td>~1.35</td>
<td>254</td>
</tr>
<tr>
<td>11.080</td>
<td>28</td>
<td>80</td>
<td>93</td>
<td>33.4</td>
<td>038</td>
<td>1.50</td>
<td>256</td>
</tr>
<tr>
<td>11.1/11.2</td>
<td>41</td>
<td>15 - 25</td>
<td>25.5 - 35.5</td>
<td>46</td>
<td>040 - 100</td>
<td>~1.35</td>
<td>258</td>
</tr>
<tr>
<td>14</td>
<td>20</td>
<td>15 - 50</td>
<td>26 - 61</td>
<td>25</td>
<td>028 - 125</td>
<td>0.65</td>
<td>260</td>
</tr>
<tr>
<td>F17</td>
<td>32</td>
<td>15</td>
<td>26</td>
<td>39</td>
<td>048</td>
<td>1.20</td>
<td>266</td>
</tr>
<tr>
<td>B15</td>
<td>17</td>
<td>15 - 100</td>
<td>26.0 - 113</td>
<td>23</td>
<td>038 - 180</td>
<td>1.20</td>
<td>262</td>
</tr>
<tr>
<td>B17</td>
<td>32</td>
<td>15 - 100</td>
<td>25.5 - 113</td>
<td>39</td>
<td>048 - 125*</td>
<td>1.00</td>
<td>264</td>
</tr>
<tr>
<td>B15i</td>
<td>17</td>
<td>15 - 100</td>
<td>26.0 - 113</td>
<td>23</td>
<td>038 - 180</td>
<td>1.20</td>
<td>262</td>
</tr>
<tr>
<td>B17i</td>
<td>32</td>
<td>25 - 38</td>
<td>35.5 - 48.5</td>
<td>39</td>
<td>048 - 125*</td>
<td>1.00</td>
<td>264</td>
</tr>
</tbody>
</table>

*Radii for several widths available upon request (please see product range table).
### Technical Data

**Gilding speed / acceleration (maximum)**
- max. 3[m/s] / max. 10[m/s²]
- Speed / acceleration FLb max.
  - max. 20[m/s] / max. 200[m/s²]
- Speed / acceleration FLb max.
  - max. 3[m/s] / max. 6[m/s²]

**Material - permitted temperature °C, igumid G**
- -40° up to +120° C

**Material - permitted temperature °C, igumid NB (only Series 14)**
- -40° up to +80° C

**Material lower part - permitted temperature °C, igumid G (only Series B15/B15i, B17/B17i, F17)**
- -40° up to +120° C

**Material crossbar - permitted temperature °C, igumid NB (only Series B15/B15i, B17/B17i, F17)**
- -40° up to +80° C

**Flammability class:**
- igumid G = VDE 0304 IIC UL94-HB / igumid NB = VDE 0304 IIC UL94-V2

**Installation methods overview, maximum travels**

<table>
<thead>
<tr>
<th>e-chain® Series</th>
<th>Unsupported application</th>
<th>Vertical hanging</th>
<th>Vertical standing</th>
<th>Side mounted unsupported</th>
<th>Rotary application</th>
<th>Zip-tie application</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>≤ 1,20 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
<tr>
<td>11.031</td>
<td>≤ 1,35 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>–</td>
<td>upon request</td>
</tr>
<tr>
<td>11.080</td>
<td>≤ 1,50 m</td>
<td>upon request</td>
<td>upon request</td>
<td>–</td>
<td>–</td>
<td>upon request</td>
</tr>
<tr>
<td>11.1/11.2</td>
<td>≤ 1,35 m</td>
<td>upon request</td>
<td>upon request</td>
<td>–</td>
<td>–</td>
<td>upon request</td>
</tr>
<tr>
<td>14</td>
<td>≤ 0,65 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
<tr>
<td>B15 / B15</td>
<td>≤ 1,20 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
<tr>
<td>B17 / B17</td>
<td>≤ 1,00 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
<tr>
<td>F17</td>
<td>≤ 1,20 m</td>
<td>upon request</td>
<td>upon request</td>
<td>upon request</td>
<td>with rework</td>
<td>upon request</td>
</tr>
</tbody>
</table>

**Order example | Order key and colour options based on Series B15**

**Order example for complete e-chain® (1,0 m), colour black, with mounting brackets and interior separation:**

- Please indicate e-chain® length or number of links: 1,0 m or 33 links

| B15.025.038.0 | 1025.34PZ | 2 x 154 |

**Order text:**

1,0 m B15.025.038.0 + 1025.34PZ + 2 x 154
Series 10 | One-piece, non snap-open e-chain

- **e-chain**: Bi | Ba | R | Bending radii | Weight (kg/m)
  - 10.015.0 | R,0 | 15 | 26 | 028 | 038 | 048 | 075 | 100 | 110 | 125 | 145 | 180 | ≈ 0.35
  - 10.025.0 | R,0 | 25 | 36 | 028 | 038 | 048 | 075 | 100 | 110 | 125 | 145 | 180 | ≈ 0.40
  - 10.038.0 | R,0 | 38 | 49 | 028 | 038 | 048 | 075 | 100 | 110 | 125 | 145 | 180 | ≈ 0.46
  - 10.050.0 | R,0 | 50 | 61 | 028 | 038 | 048 | 075 | 100 | 110 | 125 | 145 | 180 | ≈ 0.52
  - 10.05.0 | R,0 | 63 | 76 | 028 | 038 | 048 | 075 | 100 | 110 | 125 | 145 | 180 | ≈ 0.63
  - 10.06.0 | R,0 | 80 | 94 | 028 | 038 | 048 | 075 | 100 | 110 | 125 | 145 | 180 | ≈ 0.70
  - 10.07.0 | R,0 | 100 | 113 | 028 | 038 | 048 | 075 | 100 | 110 | 125 | 145 | 180 | ≈ 0.76

Before using the Series on long travels, please consult igus.

Supplement Part No. with required radius (R). Example: 10.025.038.0

Dimensions

- **Inner height**: 18 mm
- **Pitch**: 30.5 mm/link
- **Links/m**: 33 (1006.5 mm)
- **Chain length**: \( \frac{3}{2} + K \)

**Flange connections**

- **Unsupported length** \( FL_B \)
- **Length of flange** \( FL_G \)

**Dimensions**

- **R**: 028 | 038 | 048 | 075 | 100 | 110 | 125 | 145 | 180
  - **H**: 79 | 99 | 119 | 173 | 223 | 243 | 273 | 313 | 383
  - **D**: 85 | 95 | 105 | 132 | 157 | 167 | 182 | 202 | 237
  - **K**: 150 | 185 | 215 | 300 | 380 | 410 | 455 | 520 | 630

The required clearance height: \( H_s = H + 20 \) mm (with 0.5 kg/m fill weight)

Mounting brackets, polymer one-piece | pivoting | locking

**Moving end**

- 10...3P(Z) / 10...1P(Z)
- Part No. full set pivoting:
  - with tiewrap plates
  - without tiewrap plates
- Part No. full set locking:
  - with tiewrap plates
  - without tiewrap plates
- Dim. A | Dim. B | Number of teeth
  - 015. | 1015.34PZ | 1015.34P | 1015.12PZ | 1015.12P | 23 | 5 | 2
  - 025. | 1025.34PZ | 1025.34P | 1025.12PZ | 1025.12P | 10 | 25 | 5 | 2
  - 038. | 1038.34PZ | 1038.34P | 1038.12PZ | 1038.12P | 23 | 4 | 1 | 4
  - 050. | 1050.34PZ | 1050.34P | 1050.12PZ | 1050.12P | 10 | 48 | 1 | 5
  - 07. | 107.34PZ | 107.34P | 107.12PZ | 107.12P | 10 | 112 | 1 | 10

**Fixed end**

- 10...4P(Z) / 10...2P(Z)
- Part No. full set pivoting:
  - with tiewrap plates
  - without tiewrap plates
- Part No. full set locking:
  - with tiewrap plates
  - without tiewrap plates
- Dim. A | Dim. B | Number of teeth
  - 015. | 1015.12PZ | 1015.12P | 1015.12PZ | 1015.12P | 23 | 5 | 2
  - 025. | 1025.12PZ | 1025.12P | 1025.12PZ | 1025.12P | 10 | 25 | 5 | 2
  - 038. | 1038.12PZ | 1038.12P | 1038.12PZ | 1038.12P | 23 | 4 | 1 | 4
  - 050. | 1050.12PZ | 1050.12P | 1050.12PZ | 1050.12P | 10 | 48 | 1 | 5
  - 07. | 107.12PZ | 107.12P | 107.12PZ | 107.12P | 10 | 112 | 1 | 10

**Dimensions**

- **Width index**
  - 0.025.038.0
  - 105./106./107.*
  - 1050.34P**
  - 105./106./107.*
  - 1050.34P**

**Possible installation conditions for assembled mounting brackets.**

**Interior separation**

- **Separator 101**
  - For a simple vertical subdivision on e-chains. Separators can be arranged anywhere in the e-chain cross section.
  - Interior separation for Series 10.015.R.0 not possible!
Series 11.031 | One-piece, non snap-open e-chain®

<table>
<thead>
<tr>
<th>e-chain</th>
<th>Bi [mm]</th>
<th>Ba [mm]</th>
<th>R [mm]</th>
<th>Weight [kg/m]</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.031</td>
<td>31</td>
<td>41.2</td>
<td>045</td>
<td>070</td>
</tr>
</tbody>
</table>

Supplement Part No. with required radius (R). Example: 11.031.045.0

Dimensions

- Inner height: 23 mm
- Pitch: 30.5 mm/link
- Links/m: 33 (0.0065 mm)
- Chain length: \( S/2 + K \)

Part No. structure

**11.031.12PZ**

Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index A2 or A4.

The required clearance height: \( H_F = H + 20 \) mm (with 0.5 kg/m fill weight)
### E2 mini | Series 11.080 | Product range

Large inner height, asymmetric design

### E2 mini | Series 11.080 | Accessories

Mounting brackets, polymer one-piece | pivoting

#### Series 11.080 | Non snap-open e-chain® with moulded-in vertical separation

<table>
<thead>
<tr>
<th>e-chain®</th>
<th>Bi</th>
<th>Ba</th>
<th>R</th>
<th>Bending radii</th>
</tr>
</thead>
<tbody>
<tr>
<td>non snap-open</td>
<td>[mm]</td>
<td>[mm]</td>
<td>[mm]</td>
<td></td>
</tr>
<tr>
<td>11.080.0</td>
<td>80</td>
<td>93</td>
<td>038</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>46</td>
<td>32</td>
<td>~ 0.73</td>
</tr>
</tbody>
</table>

Supplement Part No. with required radius (R). Example: 11.080.0038.0

#### Dimensions

- Inner height: 28 mm
- Pitch: 30.5 mm/link
- Links/m: 33 (1006.5 mm)
- Chain length: S/2 + K

- Moving end
- Fixed end

#### Moving end

Moving end

11...1P(Z)

#### Fixed end

Fixed end

11...2P(Z)

#### Width

<table>
<thead>
<tr>
<th>Index</th>
<th>Part No. full set with tiewrap plates</th>
<th>Part No. full set without tiewrap plates</th>
<th>Dim. A [mm]</th>
<th>Dim. B [mm]</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>038</td>
<td>11.080.012PZ</td>
<td>11.080.012P</td>
<td>65</td>
<td>93</td>
<td>8</td>
</tr>
</tbody>
</table>

#### Part No. structure

11.080.12PZ A2

Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index A2.

#### Full set pivoting

Mounting bracket for selected width index

R 038
H 119
D 105
K 185

The required clearance height: Hf = H + 20 mm (with 0.5 kg/m fill weight)

256 3D-CAD files, configurators, PDF | www.igus.eu/11.080
Series 11.1·11.2 | One-piece, non snap-open e-chain®

e-chain® non snap-open

<table>
<thead>
<tr>
<th>Bi</th>
<th>Ba</th>
<th>R</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.1 R.0</td>
<td>15</td>
<td>25.5</td>
<td>0.50</td>
</tr>
<tr>
<td>11.2 R.0</td>
<td>25</td>
<td>35.5</td>
<td>0.53</td>
</tr>
</tbody>
</table>

Supplement Part No. with required radius (R). Example: **11.1.040.0**

**Dimensions**

- **Inner height**: 41 mm
- **Pitch**: 30.5 mm/link
- **Links/m**: 33 (1006.5 mm)
- **Chain length**: S/2 + K

**Moving end**

- **R**
  - **H**: 149
  - **D**: 120
  - **K**: 190

- **040**
  - **063**: 195
  - **075**: 219
  - **100**: 269

**Fixed end**

- **H**: 149
  - **D**: 120
  - **K**: 190

- **040**
  - **063**: 195
  - **075**: 219
  - **100**: 269

The required clearance height: \( H_p = H + 20 \text{ mm} \) (with 0.5 kg/m fill weight)

---

**Mounting brackets, polymer one-piece | locking**

<table>
<thead>
<tr>
<th>Width index</th>
<th>Part No. full set with</th>
<th>Part No. full set without</th>
<th>Dim. A</th>
<th>Dim. B</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 11...1P(Z)</td>
<td>101.12PZ 101.12P</td>
<td>- 26 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. 11...2P(Z)</td>
<td>102.12PZ 102.12P</td>
<td>10 36 3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Part No. structure**

**A**...must be indicated on preassembled configurations.

**With strain relief tiewrap plates**

**Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index A4**
**Series 14 | One-piece, snap-open along inner radius with film-hinge**

Supplement Part No. with required radius (R). Example: **14.2.038.0**

**Dimensions**

- **Inner height:** 20 mm
- **Pitch:** 30.5 mm/link
- **Links/m:** 33 (1006.5 mm)
- **Chain length:** $\frac{S}{2} + K$

**Part No. structure**

**E2 mini Series 14**

Accessories

Mounting brackets, polymer one-piece | locking | More features: [www.igus.eu/14](http://www.igus.eu/14)

**Moving end**

114...1P(Z)

- **Fixed end**

114...2P(Z)

**Width Index**

<table>
<thead>
<tr>
<th>Width Index</th>
<th>Part No. full set with tiewrap plates</th>
<th>Part No. full set without tiewrap plates</th>
<th>Dim. A [mm]</th>
<th>Dim. B [mm]</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. A1</td>
<td>114.1.12PZ</td>
<td>114.1.12P</td>
<td>–</td>
<td>26.3</td>
<td>2</td>
</tr>
<tr>
<td>2. A2</td>
<td>114.2.12PZ</td>
<td>114.2.12P</td>
<td>10</td>
<td>36.3</td>
<td>3</td>
</tr>
<tr>
<td>3. A3</td>
<td>114.3.12PZ</td>
<td>114.3.12P</td>
<td>23</td>
<td>49.3</td>
<td>4</td>
</tr>
<tr>
<td>4. A4</td>
<td>114.4.12PZ</td>
<td>114.4.12P</td>
<td>35</td>
<td>61.3</td>
<td>5</td>
</tr>
</tbody>
</table>

Material mounting bracket - igumid G, temperature: -40° up to +120° C, VDE 0304 IIC UL94-HB

**Possible installation conditions for assembled mounting brackets.**

For the **preassembled** mode please add index A1...A4.

**Part No.**

114.2.12PZ A1

A... must be indicated on preassembled configurations.

With strain relief tiewrap plates.

Full set pivoting mounting bracket for selected width index.

**Web Resources**

- 3D-CAD files, configurators, PDF: [www.igus.eu/14](http://www.igus.eu/14)

**Contact Information**

igus® GmbH Germany | Phone +49 2203 9649-200 | Fax -222 | info@igus.de | [www.igus.eu](http://www.igus.eu)
### E2 mini | Series B17i-B17 | Product range

Snap-open along inner and outer radius

**Series B17i snap-open along inner radius | Series B17 along outer radius | Standard**

<table>
<thead>
<tr>
<th>Bi</th>
<th>B17i</th>
<th>B17</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>B17.1</td>
<td>B17.1</td>
</tr>
<tr>
<td>R</td>
<td>B17.2</td>
<td>B17.2</td>
</tr>
<tr>
<td>R</td>
<td>B17.3</td>
<td>B17.3</td>
</tr>
<tr>
<td>R</td>
<td>B17.4</td>
<td>B17.4</td>
</tr>
<tr>
<td>R</td>
<td>B17.5</td>
<td>B17.5</td>
</tr>
<tr>
<td>R</td>
<td>B17.6</td>
<td>B17.6</td>
</tr>
<tr>
<td>R</td>
<td>B17.7</td>
<td>B17.7</td>
</tr>
</tbody>
</table>

**Bending radii:**

<table>
<thead>
<tr>
<th>Bi</th>
<th>R</th>
<th>B17i</th>
<th>B17</th>
</tr>
</thead>
<tbody>
<tr>
<td>R</td>
<td>0.0</td>
<td>0.0</td>
<td></td>
</tr>
</tbody>
</table>

**Width X:**

<table>
<thead>
<tr>
<th>Dim. A</th>
<th>Dim. B</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>117.12P</td>
<td>117.12P</td>
<td>2</td>
</tr>
<tr>
<td>B17.12P</td>
<td>B17.12P</td>
<td>3</td>
</tr>
<tr>
<td>B17.312P</td>
<td>B17.312P</td>
<td>4</td>
</tr>
<tr>
<td>B17.412P</td>
<td>B17.412P</td>
<td>5</td>
</tr>
<tr>
<td>B17.512P</td>
<td>B17.512P</td>
<td>6</td>
</tr>
<tr>
<td>B17.612P</td>
<td>B17.612P</td>
<td>8</td>
</tr>
<tr>
<td>B17.712P</td>
<td>B17.712P</td>
<td>10</td>
</tr>
</tbody>
</table>

**Drilling pattern for Part No.:**

- 117.1, center bores only
- 117.2-117.7, outer bores only (see figure above)

**Supplementary Part No. with required radius (R):**

Example: B17.2.048.0

---

### E2 mini | Series B17i-B17 | Accessories

**Mounting brackets, polymer one-piece | locking**

**Moving end**

<table>
<thead>
<tr>
<th>Part No. full set with tiewrap plates</th>
<th>Part No. full set without tiewrap plates</th>
<th>Dim. A</th>
<th>Dim. B</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>117...1P(Z)</td>
<td>117...1P(Z)</td>
<td>117.12P</td>
<td>B17.12P</td>
<td>2</td>
</tr>
<tr>
<td>117...2P(Z)</td>
<td>117...2P(Z)</td>
<td>117.312P</td>
<td>B17.312P</td>
<td>3</td>
</tr>
<tr>
<td>117...3P(Z)</td>
<td>117...3P(Z)</td>
<td>117.412P</td>
<td>B17.412P</td>
<td>4</td>
</tr>
<tr>
<td>117...4P(Z)</td>
<td>117...4P(Z)</td>
<td>117.512P</td>
<td>B17.512P</td>
<td>5</td>
</tr>
<tr>
<td>117...5P(Z)</td>
<td>117...5P(Z)</td>
<td>117.612P</td>
<td>B17.612P</td>
<td>6</td>
</tr>
<tr>
<td>117...6P(Z)</td>
<td>117...6P(Z)</td>
<td>117.712P</td>
<td>B17.712P</td>
<td>10</td>
</tr>
</tbody>
</table>

**Fixed end**

**Possible installation conditions for assembled mounting brackets.**

For the preassembled mode please add index A1...A4.

**Dimensions**

- Inner height: 32 mm
- Pitch: 30.5 mm
- Links/m: 33 (0.0065 mm)
- Chain length: \( \frac{1}{2} \) + K

**Indexes**

- Bi: shaded bend radii
- Ba: shaded bending radii

**Indexes**

- Bi: shaded bend radii
- Ba: shaded bending radii

**Supplementary Part No. with required radius (R):**

Example: B17.2.048.0

---

### E2 mini | Series B17i-B17 | Accessories

**Full-width shelves for e-chains**

- 110.X

**Width X:**

- 110.X: 110.15 - 110.15
- 111.25: 111.25 - 111.25
- 111.38: 111.38 - 111.38
- 111.80: 111.80

---

### E2 mini | Series B17i-B17 | Accessories

**Slotted separator 171B (B17.1 up to B17.4)**

- Is used when vertical separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

**Slotted separator 173B (B17.5 up to B17.7)**

- Is used when vertical separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

---

**Dimensions:**

- Width X: 110.X

**Width X:**

- 110.X: 110.15 - 110.15
- 111.25: 111.25 - 111.25
- 111.38: 111.38 - 111.38
- 111.80: 111.80
E2 mini Series F17 | Product range
Large inner height, small outer width, outer radius closed

Series F17 | One-piece, snap-open along inner radius with film-hinge

<table>
<thead>
<tr>
<th>Snap-open along inner radius</th>
<th>Bi [mm]</th>
<th>Ba [mm]</th>
<th>R [mm]</th>
<th>Bending radii</th>
<th>Weight [g/m]</th>
</tr>
</thead>
<tbody>
<tr>
<td>F17.015.R.0</td>
<td>15</td>
<td>26</td>
<td>048</td>
<td>063</td>
<td>075</td>
</tr>
</tbody>
</table>

*Radius available upon request, please consult igus® for delivery time.

Supplement Part No. with required radius (R). Example: F17.015.048.0

Dimensions

Inner height: 32 mm
Pitch: 30.5 mm/link
Links/m: 33 (1006.5 mm)
Chain length: $\frac{S}{2} + K$

<table>
<thead>
<tr>
<th>R</th>
<th>H</th>
<th>D</th>
<th>K</th>
</tr>
</thead>
<tbody>
<tr>
<td>048</td>
<td>135</td>
<td>113</td>
<td>215</td>
</tr>
<tr>
<td>063</td>
<td>165</td>
<td>128</td>
<td>260</td>
</tr>
<tr>
<td>075</td>
<td>189</td>
<td>140</td>
<td>300</td>
</tr>
<tr>
<td>100</td>
<td>239</td>
<td>165</td>
<td>380</td>
</tr>
<tr>
<td>125</td>
<td>289</td>
<td>190</td>
<td>455</td>
</tr>
</tbody>
</table>

The required clearance height: $H_s = H + 30 \, \text{mm}$ (with 0.5 kg/m fill weight)

E2 mini Series F17 | Accessories

Mounting brackets, polymer one-piece | locking

Fixed end 117...1P(Z)  Moving end 117...2P(Z)

Width Index  Part No. full set with tiewrap plates  Part No. full set without tiewrap plates  Dim. A [mm]  Dim. B [mm]  Number of teeth
015 117.015.12PZ 117.015.12P  – 27.7 2

Material mounting bracket - igumid G, temperature: -40° up to +120° C, VDE 0304 IIC UL94-HB

Supplement Part No. with required radius (R). Example: F17.015.048.0

Possible installation conditions for assembled mounting brackets.
For the preassembled mode please add index A1...A4.

Interior separation

Slotted separator R171
Is used when vertical separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

Full-width shelf 110.X
This option makes sense in applications with many thin cables with similar diameters. For a consequent subdivision, full-width shelves can be arranged at 5 different heights (in 5 mm increments).

Full-width shelves

<table>
<thead>
<tr>
<th>Width X [mm]</th>
<th>unassembled</th>
<th>assembled</th>
</tr>
</thead>
<tbody>
<tr>
<td>015</td>
<td>110.15</td>
<td>111.15</td>
</tr>
</tbody>
</table>
E2/000 | Introduction | Advantages

Allrounder for a wide range of applications - System E2/000

The E2/000 Series is igus® fourth generation in this popular size range. All past experiences went into this Series: easy and versatile assembly combined with ruggedness - high stability paired with quieter motion - long cable life and many fixation options. The design is consistent within all E2/000 variations. It is the standard product for machine builders around the world.

Typical industries and applications
- Material handling
- Construction machinery
- Woodworking machines
- Glass machines
- Plastic machines
- Long travel applications in many industries
- Semicon
- Theatre, entertainment and amusement parks
- Vehicles
- General machinery

Long lifetime:
- Lateral gliding surfaces

High stability:
- Large pin "snap fastener" with high clamping force

Easy to assemble:
- Opening system from left or right

Universal:
- Many mounting options with or without strain relief

Variations:
- e-chain® or e-tube, openable at the inner or outer radius

High unsupported lengths:
- Due to a double, square stop dog

Long unsupported lengths:
- Due to a double, square stop dog

Fast closing by hand - secure fit without additional locking devices

Strain relief e.g. clamps, tie-wrap plates, nuts and plug-in clips

Closed e-tube - Fully enclosed in outer radius, choice of snap-open on left or right

Open E2/000 in a flash with the e-chain® opener – www.igus.eu/savetime

Hinged crossbar can be swiveled by more than 180° on both sides

Secure fit of separators and interior separation even when e-chain® is open

Snap-open mechanism, choice of snap-open on left or right

Rapid opening with a screwdriver or the e-chain® opener

Half-tube - Fully enclosed in outer radius, choice of snap-open on left or right

Hinged crossbar can be swiveled by more than 180° on both sides

Secure fit of separators and interior separation even when e-chain® is open

Fast closing by hand - secure fit without additional locking devices

Strain relief e.g. clamps, tie-wrap plates, nuts and plug-in clips – from page 656

Aluminium "SuperTrough"® - The igus® standard guide trough – from page 690

Extender crossbars - Enormous increase of the interior

IPA Qualification Certificate - Report IG 1303-640-1:
ISO Class 2, according to DIN EN ISO 14644-1 for System E2/000, Series 1500.050.038.0 at v = 0.5 / 1.0 / 2.0 m/s

IPA Qualification Certificate - Report IG 1303-640-1:
ISO Class 2, according to DIN EN ISO 14644-1 for System E2/000, Series 1500.050.038.0 at v = 0.5 / 1.0 / 2.0 m/s

IPA Qualification Certificate - Report IG 1303-640-1:
ISO Class 2, according to DIN EN ISO 14644-1 for System E2/000, Series 1500.050.038.0 at v = 0.5 / 1.0 / 2.0 m/s

IPA Qualification Certificate - Report IG 1303-640-1:
ISO Class 2, according to DIN EN ISO 14644-1 for System E2/000, Series 1500.050.038.0 at v = 0.5 / 1.0 / 2.0 m/s

IPA Qualification Certificate - Report IG 1303-640-1:
ISO Class 2, according to DIN EN ISO 14644-1 for System E2/000, Series 1500.050.038.0 at v = 0.5 / 1.0 / 2.0 m/s

IPA Qualification Certificate - Report IG 1303-640-1:
ISO Class 2, according to DIN EN ISO 14644-1 for System E2/000, Series 1500.050.038.0 at v = 0.5 / 1.0 / 2.0 m/s

IPA Qualification Certificate - Report IG 1303-640-1:
ISO Class 2, according to DIN EN ISO 14644-1 for System E2/000, Series 1500.050.038.0 at v = 0.5 / 1.0 / 2.0 m/s

IPA Qualification Certificate - Report IG 1303-640-1:
ISO Class 2, according to DIN EN ISO 14644-1 for System E2/000, Series 1500.050.038.0 at v = 0.5 / 1.0 / 2.0 m/s

IPA Qualification Certificate - Report IG 1303-640-1:
ISO Class 2, according to DIN EN ISO 14644-1 for System E2/000, Series 1500.050.038.0 at v = 0.5 / 1.0 / 2.0 m/s

IPA Qualification Certificate - Report IG 1303-640-1:
ISO Class 2, according to DIN EN ISO 14644-1 for System E2/000, Series 1500.050.038.0 at v = 0.5 / 1.0 / 2.0 m/s
### E2/000 Selection Table

<table>
<thead>
<tr>
<th>Series</th>
<th>Inner height (hi) [mm]</th>
<th>Inner width (Bi) [mm]</th>
<th>Outer width (Ba) [mm]</th>
<th>Outer height (ha) [mm]</th>
<th>Bending radius (R) [mm]</th>
<th>Unsupported max. length (m)</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500</td>
<td>21</td>
<td>15 - 125</td>
<td>28.5 - 138.5</td>
<td>28</td>
<td>35 - 180</td>
<td>1.75</td>
<td>274</td>
</tr>
<tr>
<td>2500</td>
<td>25</td>
<td>25 - 125</td>
<td>41 - 141</td>
<td>35</td>
<td>55 - 250</td>
<td>2.25</td>
<td>286</td>
</tr>
<tr>
<td>2700</td>
<td>35</td>
<td>50 - 175</td>
<td>66 - 194</td>
<td>50</td>
<td>63 - 250</td>
<td>2.75</td>
<td>298</td>
</tr>
<tr>
<td>3500</td>
<td>45</td>
<td>50 - 250</td>
<td>70 - 270</td>
<td>64</td>
<td>75 - 300</td>
<td>3.00</td>
<td>310</td>
</tr>
<tr>
<td>255</td>
<td>24</td>
<td>38 - 103</td>
<td>54 - 119</td>
<td>35</td>
<td>55 - 250</td>
<td>1.80</td>
<td>322</td>
</tr>
</tbody>
</table>

#### E2/000 e-chains® Standard for System E2

- **Snap-open along outer radius from both sides**

#### E2/000 e-chains®

- **Snap-open along inner radius from both sides**

#### Half e-tubes

- **Snap-open along inner radius from both sides**

#### Full e-tubes

- **Snap-open along inner radius from both sides**

---

### E2/000 Technical Data Overview

#### Technical Data

- **Gilding speed / acceleration (maximum)**
  - FLG: max. 10 [m/s] / max. 50 [m/s²]

- **Speed / acceleration FLG max.**
  - FLG: max. 3 [m/s] / max. 6 [m/s²]

- **Material - permitted temperature °C, igumid G**
  - 40° up to +120° C

- **Flammability class, igumid G**
  - VDE 0304 IIC UL94-HB

#### Installation methods overview, maximum travels

<table>
<thead>
<tr>
<th>e-chain / e-tube Series</th>
<th>Unsupported application</th>
<th>Gilding application</th>
<th>Vertical hanging</th>
<th>Vertical standing</th>
<th>Side mounted unsupported</th>
<th>Rotary application</th>
<th>Zip-stay application</th>
<th>Unsupported length lower run</th>
</tr>
</thead>
<tbody>
<tr>
<td>1400/1500/1450/1480</td>
<td>≤ 1.75 m</td>
<td>≤ 75 m</td>
<td>≤ 20 m</td>
<td>≤ 2.0 m</td>
<td>≤ 0.7 m</td>
<td>with rework</td>
<td>upon request</td>
<td>upon request</td>
</tr>
<tr>
<td>2400/2500/2450/2480</td>
<td>≤ 2.25 m</td>
<td>≤ 100 m</td>
<td>≤ 40 m</td>
<td>≤ 3.0 m</td>
<td>≤ 1.0 m</td>
<td>with rework</td>
<td>upon request</td>
<td>upon request</td>
</tr>
<tr>
<td>2600/2700/2650/2680</td>
<td>≤ 2.75 m</td>
<td>≤ 120 m</td>
<td>≤ 50 m</td>
<td>≤ 3.0 m</td>
<td>≤ 1.0 m</td>
<td>with rework</td>
<td>upon request</td>
<td>upon request</td>
</tr>
<tr>
<td>3400/3500/3450/3480</td>
<td>≤ 3.00 m</td>
<td>≤ 150 m</td>
<td>≤ 80 m</td>
<td>≤ 3.0 m</td>
<td>≤ 1.0 m</td>
<td>with rework</td>
<td>upon request</td>
<td>upon request</td>
</tr>
<tr>
<td>255</td>
<td>≤ 1.80 m</td>
<td>≤ 100 m</td>
<td>≤ 40 m</td>
<td>≤ 3.0 m</td>
<td>≤ 1.0 m</td>
<td>with rework</td>
<td>upon request</td>
<td>upon request</td>
</tr>
</tbody>
</table>
Options with order keys | based on Series 2400/2500/2450/2480

**Standard**
- Part No.: Standard
- Additional noise dampening with pads
- NC-Version - (no camber) without pretension
- Reverse bending radius for circular movements

**2400.03.R.0**
- e-chain® snap-open along inner radius
- Delivery time: upon request

**2500.03.R.0**
- e-chain® snap-open along outer radius
- Delivery time: upon request

**2450.03.R.0**
- Half-tube snap-open along inner radius
- Delivery time: upon request

**2480.03.R.0**
- e-tube snap-open along inner radius
- Delivery time: upon request

**Part No.**
- **Low noise (with pads)**
- **NC-Version**
- **RBR**

**Delivery from stock**
- Delivery time: upon request

**UnsUPPORTED**
- Part No.: RBR
- Order key: RBR
- Options: RBR

**Order key and colour options | based on Series 2400/2500/2450/2480**

**Order example**
- e-chain® (1.0 m), colour black, with mounting brackets and interior separation:
  - Please indicate e-chain® length or number of links: 1.0 m or 22 links
  - 1) Before using this Series in gliding applications, please consult igus®
  - 2) Delivery time: upon request
  - 3) Lower part made of XXL-Material

**General igus® colour options for e-chains® and e-tubes**
- **Colours**
  - Standard, from stock
  - Only for e-chains®
  - Only for e-tubes

**Delivery time**
- 1) Delivery time: upon request
- 2) Delivery time: Several series from stock

---

**MAGNETICALLY DETECTABLE PLASTIC E-CHAiNS®**
- For the food- and tobacco industry

- The material igumid DT is detected to the tiniest fragment all common metal detection systems and can therefore be selected automatically.

More information: [www.igus.eu/detectable-chain](http://www.igus.eu/detectable-chain)
## e-chains® Series 1400

<table>
<thead>
<tr>
<th>Inner radius</th>
<th>Outer radius</th>
<th>1400</th>
<th>1500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bi</td>
<td>Ba</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1400.015.R0</td>
<td>1500.015.R0</td>
<td>15</td>
<td>28.5</td>
</tr>
<tr>
<td>1400.020.R0</td>
<td>1500.020.R0</td>
<td>20</td>
<td>33.5</td>
</tr>
<tr>
<td>1400.025.R0</td>
<td>1500.025.R0</td>
<td>25</td>
<td>38.5</td>
</tr>
<tr>
<td>1400.035.R0</td>
<td>1500.035.R0</td>
<td>38</td>
<td>51.5</td>
</tr>
<tr>
<td>1400.065.R0</td>
<td>1500.065.R0</td>
<td>50</td>
<td>63.5</td>
</tr>
<tr>
<td>1400.085.R0</td>
<td>1500.085.R0</td>
<td>80</td>
<td>93.5</td>
</tr>
<tr>
<td>1400.105.R0</td>
<td>1500.105.R0</td>
<td>100</td>
<td>113.5</td>
</tr>
<tr>
<td>1400.125.R0</td>
<td>1500.125.R0</td>
<td>125</td>
<td>138.5</td>
</tr>
</tbody>
</table>

**Edition**: E2/000 | e-chains® 1400-1500

**Small radii, high stability**

---

**ESD/ATEX permanently conductive e-chains®** - 1500 several widths with delivery from stock:
- Inner widths Bi 15 - 80, radii Ba 038 - 145.
- Full ESD product range → www.igus.eu/ESD

---

**Open e-chains® in a flash with the igus® e-chain® opener**

Reduce assembly time from 33 to 2 sec. with the igus® e-chain® Opener. Open a long piece of e-chain® in one go. Part No. 908.254.1400 for Series 1400/1500.

For widths Bi (mm): 20, 50, 68, 80, 100.

More information and video → www.igus.eu/savetime

---

**Dimensions**

**Unsupported applications | Short travels**

<table>
<thead>
<tr>
<th>Chain length</th>
<th>FLB</th>
<th>FLG</th>
</tr>
</thead>
<tbody>
<tr>
<td>035</td>
<td>100</td>
<td>125</td>
</tr>
<tr>
<td>038</td>
<td>100</td>
<td>125</td>
</tr>
<tr>
<td>048</td>
<td>100</td>
<td>125</td>
</tr>
<tr>
<td>075</td>
<td>100</td>
<td>145</td>
</tr>
<tr>
<td>100</td>
<td>125</td>
<td>145</td>
</tr>
<tr>
<td>125</td>
<td>125</td>
<td>145</td>
</tr>
</tbody>
</table>

**The required clearance height:** \( H_0 = H + 25 \text{ mm} \) (with 0.5 kg/m fill weight)

Before using Series 1400 on long travels, please consult igus®.

**Gilding applications | Long travels from 10 m to max. 75 m**

**Note:** For long travel (gilding) applications, please consult igus®.

For long travels, igus® specifies **Series 1500** that snaps open along the outer radius.

In case of travels between 4 and 10 m we recommend a longer unsupported length. **Chain length** \( \frac{H}{2} + K_2 \)

**Example:**

<table>
<thead>
<tr>
<th>R</th>
<th>H_2</th>
<th>D_2</th>
<th>K_2</th>
<th>ΔCL</th>
</tr>
</thead>
<tbody>
<tr>
<td>035</td>
<td>70</td>
<td>99</td>
<td>180</td>
<td>-</td>
</tr>
<tr>
<td>038</td>
<td>76</td>
<td>102</td>
<td>190</td>
<td>-</td>
</tr>
<tr>
<td>048</td>
<td>96</td>
<td>112</td>
<td>220</td>
<td>-</td>
</tr>
<tr>
<td>075</td>
<td>150</td>
<td>113</td>
<td>305</td>
<td>179</td>
</tr>
<tr>
<td>100</td>
<td>100</td>
<td>125</td>
<td>340</td>
<td>100</td>
</tr>
<tr>
<td>125</td>
<td>100</td>
<td>145</td>
<td>495</td>
<td>145</td>
</tr>
<tr>
<td>145</td>
<td>100</td>
<td>150</td>
<td>540</td>
<td>145</td>
</tr>
<tr>
<td>180</td>
<td>100</td>
<td>150</td>
<td>690</td>
<td>180</td>
</tr>
</tbody>
</table>

**ESD/ATEX version available from stock**

**ESD/ATEX permanently conductive e-chains®**

- 1400·1400 several widths with delivery from stock:
  - Inner widths Bi 15 - 80, radii Ba 038 - 145.
  - Full ESD product range → www.igus.eu/ESD

**Open e-chains® in a flash with the igus® e-chain® opener**

Reduce assembly time from 33 to 2 sec. with the igus® e-chain® Opener. Open a long piece of e-chain® in one go. Part No. 908.254.1400 for Series 1400/1500.

For widths Bi (mm): 20, 50, 68, 80, 100.

More information and video → www.igus.eu/savetime

---

**www.igus.eu/savetime**
Polymer pivoting | Recommended for unsupported and gliding applications | Standard

Polymer locking | Recommended for vertical hanging and applications

### Possible installation conditions for assembled mounting brackets.

For the **preassembled** mode please add index A1...A4.

### Polymer pivoting | Recommended for unsupported and gliding applications

### For tight installation conditions

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>.015</td>
<td>14015.34PZ</td>
<td>14015.12PZ</td>
<td>-</td>
<td>28.5</td>
<td>2</td>
</tr>
<tr>
<td>.020</td>
<td>14020.34PZ</td>
<td>14020.12PZ</td>
<td>-</td>
<td>33.5</td>
<td>2</td>
</tr>
<tr>
<td>.025</td>
<td>14025.34PZ</td>
<td>14025.12PZ</td>
<td>13</td>
<td>36.5</td>
<td>2</td>
</tr>
<tr>
<td>.030</td>
<td>14030.34PZ</td>
<td>14030.12PZ</td>
<td>24</td>
<td>51.5</td>
<td>4</td>
</tr>
<tr>
<td>.035</td>
<td>14035.34PZ</td>
<td>14035.12PZ</td>
<td>36</td>
<td>63.5</td>
<td>5</td>
</tr>
<tr>
<td>.040</td>
<td>14040.34PZ</td>
<td>14040.12PZ</td>
<td>54</td>
<td>81.5</td>
<td>7</td>
</tr>
<tr>
<td>.050</td>
<td>14050.34PZ</td>
<td>14050.12PZ</td>
<td>66</td>
<td>93.5</td>
<td>8</td>
</tr>
<tr>
<td>.060</td>
<td>14060.34PZ</td>
<td>14060.12PZ</td>
<td>86</td>
<td>113.5</td>
<td>10</td>
</tr>
<tr>
<td>.075</td>
<td>14075.34PZ</td>
<td>14075.12PZ</td>
<td>111</td>
<td>138.5</td>
<td>13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>.015</td>
<td>14000.12 - 34PZ A1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>.020</td>
<td>14005.34PZ</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>.025</td>
<td>14010.34PZ</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>.030</td>
<td>14015.34PZ</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>.035</td>
<td>14020.34PZ</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>.040</td>
<td>14025.34PZ</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>.050</td>
<td>14030.34PZ</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>.060</td>
<td>14035.34PZ</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>.075</td>
<td>14040.34PZ</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Note:
Mounting brackets not to assemble at the gable end

### Possible installation conditions for assembled mounting brackets.

For the **preassembled** mode please add index A1...A4.

### Option: Steel locking Part No. 14000.12 - For e-chains® and e-tubes available

- Locked connections • One part (2-piece) for all e-chain® widths • Electrically conductive

### Strain relief e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options from page 656

### Accessories

Mounting brackets, polymer | pivoting

### Moving end

<table>
<thead>
<tr>
<th>14...3PZ / 14...1PZ</th>
</tr>
</thead>
</table>

### Fixed end

<table>
<thead>
<tr>
<th>14...4PZ / 14...2PZ</th>
</tr>
</thead>
</table>

### Accessories

Mounting brackets, polymer | pivoting

### Moving end

<table>
<thead>
<tr>
<th>15000...3PZ(B)</th>
</tr>
</thead>
</table>

### Fixed end

<table>
<thead>
<tr>
<th>15000...4PZ(B)</th>
</tr>
</thead>
</table>

### Possible installation conditions for assembled mounting brackets.

For the **preassembled** mode please add index A1...A4.

### Option: Steel locking Part No. 14000.12 - For e-chains® and e-tubes available

- Locked connections • One part (2-piece) for all e-chain® widths • Electrically conductive

### Strain relief e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options from page 656

### Accessories

Mounting brackets, polymer | pivoting

### Moving end

<table>
<thead>
<tr>
<th>15000...3PZ(B)</th>
</tr>
</thead>
</table>

### Fixed end

<table>
<thead>
<tr>
<th>15000...4PZ(B)</th>
</tr>
</thead>
</table>

### Possible installation conditions for assembled mounting brackets.

For the **preassembled** mode please add index A1...A4.

### Option: Steel locking Part No. 14000.12 - For e-chains® and e-tubes available

- Locked connections • One part (2-piece) for all e-chain® widths • Electrically conductive

### Strain relief e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options from page 656

### Accessories

Mounting brackets, polymer | pivoting

### Moving end

<table>
<thead>
<tr>
<th>15000...3PZ(B)</th>
</tr>
</thead>
</table>

### Fixed end

<table>
<thead>
<tr>
<th>15000...4PZ(B)</th>
</tr>
</thead>
</table>

### Possible installation conditions for assembled mounting brackets.

For the **preassembled** mode please add index A1...A4.

### Option: Steel locking Part No. 14000.12 - For e-chains® and e-tubes available

- Locked connections • One part (2-piece) for all e-chain® widths • Electrically conductive

### Strain relief e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options from page 656

### Accessories

Mounting brackets, polymer | pivoting

### Moving end

<table>
<thead>
<tr>
<th>15000...3PZ(B)</th>
</tr>
</thead>
</table>

### Fixed end

<table>
<thead>
<tr>
<th>15000...4PZ(B)</th>
</tr>
</thead>
</table>

### Possible installation conditions for assembled mounting brackets.

For the **preassembled** mode please add index A1...A4.

### Option: Steel locking Part No. 14000.12 - For e-chains® and e-tubes available

- Locked connections • One part (2-piece) for all e-chain® widths • Electrically conductive

### Strain relief e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options from page 656

### Accessories

Mounting brackets, polymer | pivoting

### Moving end

<table>
<thead>
<tr>
<th>15000...3PZ(B)</th>
</tr>
</thead>
</table>

### Fixed end

<table>
<thead>
<tr>
<th>15000...4PZ(B)</th>
</tr>
</thead>
</table>
Interior separation | New generation

No lateral spacing to side links necessary.
As standard separators are assembled every 2nd e-chain link.

Standard - for any application
Separator with wide base for maximum locking strength and safe standing in e-chains of.

For even faster installation
Firm hold to one side with a wide base, narrow on opposed side for easy cable assembly.

For many thin cables
Separator with a narrow base for a large number of thin cables side by side. Saves space in e-chains of.

For side-mounted applications
Asymmetrical separator, for defined distance. No additional spacers necessary.

Horizontal separation
Full-width shelf locks safely into separators on both ends, fixed width possible. Separators can be moved freely over the shelf in horizontal direction. Can be used at one height.

Separator with integrated strain relief
Strain relief part No. 21.1.Z can be integrated into the mounting bracket and can be placed at any point of the e-chain. It combines strain relief and interior separation, it can be installed on the first or last e-chain link and is easy to assemble without any screws. More information from page 676.

Optional: Support tray kit - for support of the lower run
Simple one-piece support trays according to your requirements and specification
Easy installation onto your machine, on profiles or wall-mount brackets
Igus support tray - available in 2 types and 4 options
More information from page 740
### Chip protection

#### 1450/1480 Product range

**Half e-tubes**
- Series 1450 snap-open along inner radius, closed along outer radius

**Full e-tubes**
- Series 1480 snap-open along inner radius, fully enclosed

#### Dimensions

<table>
<thead>
<tr>
<th>Bi</th>
<th>Ba</th>
<th>R</th>
<th>1450</th>
<th>1480</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>[kg/m]</td>
<td>[kg/m]</td>
</tr>
</tbody>
</table>

- **1450.015, R.0**: 1480.015, R.0
- 15.0  28.5  | 035*| 038*| 048*| 075| 100| 125| 145| 180 | = 0.48 | = 0.50 |
- **1450.020, R.0**
- 20.0  33.5  | 035*| 038*| 048*| 075| 100| 125| 145| 180 | = 0.51 | = 0.53 |
- **1450.025, R.0**: 1480.025, R.0
- 25.0  38.5  | 035*| 038*| 048*| 075| 100| 125| 145| 180 | = 0.54 | = 0.57 |
- **1450.038, R.0**: 1480.038, R.0
- 38.0  51.5  | 035*| 038*| 048*| 075| 100| 125| 145| 180 | = 0.59 | = 0.61 |
- **1450.050, R.0**
- 50.0  63.5  | 035*| 038*| 048*| 075| 100| 125| 145| 180 | = 0.65 | = 0.67 |
- **1450.068, R.0**: 1480.068, R.0
- 68.0  81.5  | 035*| 038*| 048*| 075| 100| 125| 145| 180 | = 0.74 | = 0.77 |
- **1450.080, R.0**
- 80.0  93.5  | 035*| 038*| 048*| 075| 100| 125| 145| 180 | = 0.80 | = 0.84 |
- **1450.100, R.0**: 1480.100, R.0
- 100.0 113.5 | 035*| 038*| 048*| 075| 100| 125| 145| 180 | = 0.90 | = 0.95 |
- **1450.125, R.0**: 1480.125, R.0
- 125.0 138.5 | 035*| 038*| 048*| 075| 100| 125| 145| 180 | = 1.03 | = 1.08 |

*Width available upon request, please consult igus* ® for delivery time

*Radius available upon request, please consult igus* ® for delivery time

For radii 035, 038, 048 the e-tube is not fully enclosed. Please consult igus®.

Supplement Part No. with required radius (R). Example: 1450.038,100.0

---

**Open e-chains* in a flash with the igus® e-chain® opener**

Reduce assembly time from 33 to 2 sec. with the igus® e-chain® opener. Open a long piece of e-chain® in one go. Part No. 908.254.1400 for Series 1450. For widths Bi [mm]: 20, 50, 68, 80, 100.

More information and video: [www.igus.eu/savetime](http://www.igus.eu/savetime)

---

**Unsupported applications | Short travels**

The required clearance height: \( H_f = H + 25 \text{ mm} \) (with 0.5 kg/m fill weight)

*Radius available upon request, please consult igus* ® for delivery time

Before using Series 1450/1480 on long travels please consult igus®.

---

**3D-CAD files, configurators, PDF**

[www.igus.eu/1450](http://www.igus.eu/1450) | [www.igus.eu/1480](http://www.igus.eu/1480)
**Polymer pivoting | Recommended for unsupported applications | Standard**  
**Polymer locking | Recommended for vertical hanging and standing applications**

### Width Index  
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>.015. 14015.34PZ</td>
<td>14015.12PZ</td>
<td>–</td>
<td>28.5</td>
<td>2</td>
</tr>
<tr>
<td>.020. 14020.34PZ</td>
<td>14020.12PZ</td>
<td>–</td>
<td>33.5</td>
<td>2</td>
</tr>
<tr>
<td>.025. 14025.34PZ</td>
<td>14025.12PZ</td>
<td>13</td>
<td>36.5</td>
<td>2</td>
</tr>
<tr>
<td>.038. 14038.34PZ</td>
<td>14038.12PZ</td>
<td>24</td>
<td>51.5</td>
<td>4</td>
</tr>
<tr>
<td>.050. 14050.34PZ</td>
<td>14050.12PZ</td>
<td>36</td>
<td>63.5</td>
<td>5</td>
</tr>
<tr>
<td>.068. 14068.34PZ</td>
<td>14068.12PZ</td>
<td>54</td>
<td>81.5</td>
<td>7</td>
</tr>
<tr>
<td>.080. 14080.34PZ</td>
<td>14080.12PZ</td>
<td>66</td>
<td>93.5</td>
<td>8</td>
</tr>
<tr>
<td>.100. 14100.34PZ</td>
<td>14100.12PZ</td>
<td>86</td>
<td>113.5</td>
<td>10</td>
</tr>
<tr>
<td>.125. 14125.34PZ</td>
<td>14125.12PZ</td>
<td>111</td>
<td>138.5</td>
<td>13</td>
</tr>
</tbody>
</table>

### Part No. structure  
| 14038.34 PZ A1 | A1... must be indicated on preassembled configurations |

Possible installation conditions for assembled mounting brackets.  
For the preassembled mode please add index A1... A4.
Slotted separator 14501
Is used when vertical separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

Full-width shelf 110.X
This option makes sense in applications with many thin cables with similar diameters. For a consequent subdivision, full-width shelves can be arranged at 3 different heights (in 5.75 mm increments).

Full-width shelves

<table>
<thead>
<tr>
<th>Width X [mm]</th>
<th>unassembled</th>
<th>assembled</th>
</tr>
</thead>
<tbody>
<tr>
<td>015</td>
<td>110.15</td>
<td>111.15</td>
</tr>
<tr>
<td>020</td>
<td>110.20</td>
<td>111.20</td>
</tr>
<tr>
<td>025</td>
<td>110.25</td>
<td>111.25</td>
</tr>
</tbody>
</table>

Optional: Support tray kit - for support of the lower run
- Simple one-piece support trays according to your requirements and specification
- Easy installation onto your machine, on profiles or wall-mount brackets
- Igu's support tray - available in 2 types and 4 options

More information from page 740
Before using Series 2400 on long travels please consult igus®.

For long travel (gliding) applications, please consult igus®.

In case of travels between 4 and 10 m we recommend a longer unsupported length. Chain length $\frac{3}{2} + K_2$.

The required clearance height: $H = H + 25$ mm (with 1.5 kg/m fill weight)

Gliding applications | Long travels from 10 m to max. 100 m

Note: For long travel (gliding) applications, please consult igus®.

For long travels, igus® specifies Series 2500 that snaps open along the outer radius.

Reduction assembly time from 33 to 2 sec. with the igus® e-chain® Opener. Open a long piece of e-chain® in one go. Part No. 908.254.2400 for Series 2400/2500.

For width $Bi$ [mm] 05, 07, 09

More information and video ▶ www.igus.eu/savetime

before using Series 2400 on long travels please consult igus®.
**Polymer pivoting** | **Recommended for unsupported and gliding applications**  
**Polymer locking** | **Recommended for vertical hanging and standing applications**

### Table: Possible installation conditions for assembled mounting brackets.

<table>
<thead>
<tr>
<th>Width Index</th>
<th>Part No. full set pivoting:</th>
<th>Part No. full set locking:</th>
<th>Dim. A [mm]</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>with tiewrap plates</td>
<td>without tiewrap plates</td>
<td></td>
<td></td>
</tr>
<tr>
<td>.03</td>
<td>2030.34PZB + 2030.34PZ+</td>
<td>2030.12PZB + 2030.12PZ+</td>
<td>25</td>
<td>4</td>
</tr>
<tr>
<td>.05</td>
<td>2050.34PZB + 2050.34PZ+</td>
<td>2050.12PZB + 2050.12PZ+</td>
<td>44</td>
<td>6</td>
</tr>
<tr>
<td>.07</td>
<td>2070.34PZB + 2070.34PZ+</td>
<td>2070.12PZB + 2070.12PZ+</td>
<td>64</td>
<td>8</td>
</tr>
<tr>
<td>.09</td>
<td>2090.34PZB + 2090.34PZ+</td>
<td>2090.12PZB + 2090.12PZ+</td>
<td>77</td>
<td>9</td>
</tr>
<tr>
<td>.10</td>
<td>2100.34PZB + 2100.34PZ+</td>
<td>2100.12PZB + 2100.12PZ+</td>
<td>90</td>
<td>10</td>
</tr>
<tr>
<td>.12</td>
<td>2125.34PZB + 2125.34PZ+</td>
<td>2125.12PZB + 2125.12PZ+</td>
<td>112</td>
<td>12</td>
</tr>
</tbody>
</table>

Full set with tiewrap plate + 10 cable tiewraps, please add index K1+ — e.g. 2020.34PZB K1+.

---

**Polymer pivoting** | **Recommended for unsupported and gliding applications**  
**Polymer locking** | **Recommended for vertical hanging and standing applications**

### Table: Possible installation conditions for assembled mounting brackets.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>with tiewrap plates</td>
<td>without tiewrap plates</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>.02</td>
<td>2401.02.12ZB 2401.02.12ZB</td>
<td>2401.02.12ZB 2401.02.12ZB</td>
<td>36</td>
<td>44</td>
<td>2</td>
</tr>
<tr>
<td>.03</td>
<td>2401.03.12ZB 2401.03.12ZB</td>
<td>2401.03.12ZB 2401.03.12ZB</td>
<td>49</td>
<td>57</td>
<td>4</td>
</tr>
<tr>
<td>.05</td>
<td>2401.05.12ZB 2401.05.12ZB</td>
<td>2401.05.12ZB 2401.05.12ZB</td>
<td>68</td>
<td>76</td>
<td>6</td>
</tr>
<tr>
<td>.07</td>
<td>2401.07.12ZB 2401.07.12ZB</td>
<td>2401.07.12ZB 2401.07.12ZB</td>
<td>88</td>
<td>86</td>
<td>7</td>
</tr>
<tr>
<td>.09</td>
<td>2401.09.12ZB 2401.09.12ZB</td>
<td>2401.09.12ZB 2401.09.12ZB</td>
<td>100</td>
<td>108</td>
<td>9</td>
</tr>
<tr>
<td>.10</td>
<td>2401.10.12ZB 2401.10.12ZB</td>
<td>2401.10.12ZB 2401.10.12ZB</td>
<td>114</td>
<td>122</td>
<td>10</td>
</tr>
</tbody>
</table>

(KMA = Polymer Metal Mounting Bracket)

---

**Options**: Steel pivoting Part No. 2000.32 - For e-chains® and e-tubes available  
- Pivotable connections  
- One part (2-piece) for all e-chain® widths  
- Electrically conductive

---

**Strain relief**: e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options from page 656

---

**igus® GmbH Germany**  
Phone +49 2203 9649-800  
Fax -222  
info@igus.de  
www.igus.eu

---

**igus® GmbH Germany**  
Phone +49 2203 9649-800  
Fax -222  
info@igus.de  
www.igus.eu
E2/000 | e-chains® 2400-2500 | Accessories

Interior separation | New generation

Previous interior separation with optional elements | www.igus.eu/2400 | www.igus.eu/2500

No lateral spacing to side links necessary.

As standard separators are assembled every 2nd e-chain link.

Standard - for any application
Separator with a wide base for maximum locking strength and safe standing in e-chains*.

For even faster installation
Firm hold to one side with a wide base, narrow on opposed side for easy cable assembly.

For many thin cables
Separator with a narrow base for a large number of thin cables side by side. Saves space in e-chains*.

For side-mounted applications
Asymmetrical separator, for defined distance. No additional spacers necessary.

Horizontal separation
Full-width shelf locks safely into separators on both ends, fixed width possible. Separators can be moved freely over the shelf in horizontal direction. Can be used at one height.

Lockable full-width shelves - for the standard interior separation

<table>
<thead>
<tr>
<th>Width X (mm)</th>
<th>unassembled</th>
<th>assembled</th>
</tr>
</thead>
<tbody>
<tr>
<td>015</td>
<td>2300.015</td>
<td>2310.015</td>
</tr>
<tr>
<td>025</td>
<td>2300.025</td>
<td>2310.025</td>
</tr>
<tr>
<td>030</td>
<td>2300.030</td>
<td>2310.030</td>
</tr>
<tr>
<td>038</td>
<td>2300.038</td>
<td>2310.038</td>
</tr>
<tr>
<td>040</td>
<td>2300.040</td>
<td>2310.040</td>
</tr>
<tr>
<td>057</td>
<td>2300.057</td>
<td>2310.057</td>
</tr>
</tbody>
</table>

Strain relief separator Part No. 2020.Z can be integrated into the mounting bracket and can be placed at any point of the e-chain. It combines strain relief and interior separation, it can be installed on the first or last e-chain link and is easy to assemble without any screws. More information from page 676.

Optional: Support tray kit - for support of the lower run

- Simple one-piece support trays, according to your requirements and specification
- Easy installation onto your machine, on profiles or wall-mount brackets
- igus® support tray - available in 2 types and 4 options
- More information from page 740
Open e-chains® in a flash with the igus® e-chain® opener

Reduce assembly time from 33 to 2 sec. with the igus® e-chain® Opener. Open a long piece of e-chain® in one go.
Part No. 908.254.2400 for Series 2450. For widths Bi [mm]: 05, 07, 09
More information and video www.igus.eu/savetime

E2/000 | e-tubes 2450-2480 | Product range

Chip protection

Half e-tubes | Series 2450 snap-open along inner radius, closed along outer radius

Full e-tubes | Series 2480 snap-open along inner radius, fully enclosed

Open e-chains® in a flash with the igus® e-chain® opener

Reduce assembly time from 33 to 2 sec. with the igus® e-chain® Opener. Open a long piece of e-chain® in one go.
Part No. 908.254.2400 for Series 2450. For widths Bi [mm]: 05, 07, 09
More information and video www.igus.eu/savetime

Unsupported applications | Short travels

The required clearance height: $H_F = H + 25$ mm (with 1.5 kg/m fill weight)

*Radii available upon request, please consult igus® for delivery time

Before using Series 2450/2480 on long travels please consult igus®.
KMA pivoting | Recommended for unsupported applications

Polymer pivoting | Recommended for vertical hanging and standing applications

Recommended for unsupported applications

KMA locking | Recommended for vertical hanging and standing applications

E2/000 | e-tubes 2450-2480 | Accessories

Mounting brackets, polymer | pivoting | locking

Moving end
2...3PZB(B)+ / 2...4PZB(B)+
Fixed end
2...3PZB(B) / 2...4PZB(B)

Part No. full set pivoting:

<table>
<thead>
<tr>
<th>Width</th>
<th>Part No. full set pivoting: with tiewrap plates</th>
<th>Part No. full set locking: with bearing plates</th>
<th>Dim. A (mm)</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.02</td>
<td>2030.34PZB+ 2030.34PZ+ 2030.12PZB+ 2030.12PZ+</td>
<td>2020.34PZB+ 2020.12PZB+</td>
<td>12</td>
<td>3</td>
</tr>
<tr>
<td>0.03</td>
<td>2040.34PZB+ 2040.34PZ+ 2040.12PZB+ 2040.12PZ+</td>
<td>2020.34PZB+ 2020.12PZB+</td>
<td>15</td>
<td>4</td>
</tr>
<tr>
<td>0.05</td>
<td>2050.34PZB+ 2050.34PZ+ 2050.12PZB+ 2050.12PZ+</td>
<td>2020.34PZB+ 2020.12PZB+</td>
<td>17</td>
<td>4</td>
</tr>
<tr>
<td>0.07</td>
<td>2070.34PZB+ 2070.34PZ+ 2070.12PZB+ 2070.12PZ+</td>
<td>2020.34PZB+ 2020.12PZB+</td>
<td>19</td>
<td>4</td>
</tr>
<tr>
<td>0.09</td>
<td>2090.34PZB+ 2090.34PZ+ 2090.12PZB+ 2090.12PZ+</td>
<td>2020.34PZB+ 2020.12PZB+</td>
<td>21</td>
<td>4</td>
</tr>
<tr>
<td>0.10</td>
<td>2100.34PZB+ 2100.34PZ+ 2100.12PZB+ 2100.12PZ+</td>
<td>2020.34PZB+ 2020.12PZB+</td>
<td>23</td>
<td>4</td>
</tr>
<tr>
<td>0.12</td>
<td>2125.34PZB+ 2125.34PZ+ 2125.12PZB+ 2125.12PZ+</td>
<td>2020.34PZB+ 2020.12PZB+</td>
<td>25</td>
<td>4</td>
</tr>
</tbody>
</table>

Full set with tiewrap plate + 10 cable tiewraps, please add index K1+  e.g. 2020.34PZB+K1+

Polymer locking | Recommended for unsupported applications

Recommended for unsupported applications

KMA locking | Recommended for vertical hanging and standing applications

Recommended for unsupported applications

KMA pivoting | Recommended for vertical hanging and standing applications

Recommended for unsupported applications

KMA locking | Recommended for vertical hanging and standing applications

Moving end
2450 = 24501...1/24511...1 2450 = 24501...2/24511...2
Fixed end
2480 = 24801...1/24811...1 2480 = 24801...2/24811...2

Part No. structure
2400.02.12ZBA

Part No. structure
2400.02.12ZBA

These attachment types are set automatically in the choice of the KMA mounting bracket.
For the preassembled mode please add index A.

Option: Steel pivoting Part No. 2000.32 - For e-chains® and e-tubes available
  - | Pivotig connections | One part (2-piece) for all e-chain® widths | Electrically conductive

Strain relief e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options from page 656
No lateral spacing to side links necessary.
As standard separators are assembled every 2nd e-chain link.

Slotted separator 24501
Is used when vertical separation is required. Due to its slot, it allows basic vertical/horizontal shelving arrangements.

Full-width shelf 220.X
This option makes sense in applications with many thin cables with similar diameters. For a consequent subdivision, full-width shelves can be arranged at 3 different heights (in 5 mm increments).

Full-width shelves

<table>
<thead>
<tr>
<th>Width X [mm]</th>
<th>unassembled</th>
<th>assembled</th>
</tr>
</thead>
<tbody>
<tr>
<td>025</td>
<td>220.25</td>
<td>221.25</td>
</tr>
<tr>
<td>038</td>
<td>220.38</td>
<td>221.38</td>
</tr>
<tr>
<td>057</td>
<td>220.57</td>
<td>221.57</td>
</tr>
</tbody>
</table>

Extender crossbars
Suitable for hoses with an outer diameter of max. 36 mm.

Separator with integrated strain relief
Strain relief separator Part No. 2020.ZR can be integrated into the mounting bracket and can be placed at any point of the e-chain®. It combines strain relief and interior separation, it can be installed on the first or last e-chain® link and is easy to assemble without any screws. More information ▶ from page 676

Optional: Support tray kit - for support of the lower run
- Simple one-piece support trays according to your requirements and specification
- Easy installation onto your machine, on profiles or wall-mount brackets
- igus® support tray - available in 2 types and 4 options
More information ▶ from page 740

Supplement Part No. with required radius (R). Example: 2450.05D36.100.0

<table>
<thead>
<tr>
<th>Extender crossbars for half-e-tubes snap-open along inner radius</th>
<th>Bi</th>
<th>Ba</th>
<th>R Bending radii</th>
</tr>
</thead>
<tbody>
<tr>
<td>2450.05 D3R.R0</td>
<td>57</td>
<td>73</td>
<td>075 100 125 150 175 200 225 250</td>
</tr>
<tr>
<td>2450.10 D3R.R0</td>
<td>103</td>
<td>119</td>
<td>075 100 125 150 175 200 225 250</td>
</tr>
</tbody>
</table>
**E2/000 | e-chains® 2600-2700**

*Medium inner height, high stability*

---

**e-chains® Series 2600** snap-open along inner radius

**e-chains® Series 2700** snap-open along outer radius

<table>
<thead>
<tr>
<th>Bi (mm)</th>
<th>Ba (mm)</th>
<th>R (mm)</th>
<th>2600</th>
<th>2700</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>66</td>
<td>0.05</td>
<td>0.17</td>
<td>0.17</td>
</tr>
<tr>
<td>65</td>
<td>81</td>
<td>0.06</td>
<td>0.19</td>
<td>0.24</td>
</tr>
<tr>
<td>75</td>
<td>91</td>
<td>0.07</td>
<td>0.20</td>
<td>0.30</td>
</tr>
<tr>
<td>90</td>
<td>106</td>
<td>0.09</td>
<td>0.22</td>
<td>0.37</td>
</tr>
<tr>
<td>100</td>
<td>116</td>
<td>0.10</td>
<td>0.25</td>
<td>0.39</td>
</tr>
<tr>
<td>125</td>
<td>141</td>
<td>0.12</td>
<td>0.48</td>
<td>0.48</td>
</tr>
<tr>
<td>150</td>
<td>166</td>
<td>0.15</td>
<td>0.62</td>
<td>0.62</td>
</tr>
<tr>
<td>175</td>
<td>194</td>
<td>0.17</td>
<td>0.85</td>
<td>0.85</td>
</tr>
</tbody>
</table>

1. ESD/ATEX version available from stock.

Half e-tubes, Series 2600 and full e-tubes Series 2680 from page 304

Non-snap-open e-chains® E2 medium classics, Series 2600 from igus.eu/26

Supplement Part No. with required radius (R). Example: 2700.05.100.0

**ESD/ATEX permanently conductive e-chains® - 2700 several widths with delivery from stock:**

Inner widths Bi 50 - 125, radii R 063 - 150. Full ESD product range at www.igus.eu/ESD

---

**Open e-chains® in a flash with the igus® e-chain® opener**

Reduce assembly time from 33 to 2 sec. with the igus® e-chain® Opener. Open a long piece of e-chain® in one go. Part No. 908.254.2600 for Series 2600/2700. For width Bi (mm) 06, 07, 09, 10. More information and video at www.igus.eu/savetime

---

**Note:** For long travel (gliding) applications, please consult igus®.

For long travels, igus® specifies Series 2700 that snap-open along the outer radius. In case of travels between 5 and 10 m we recommend a longer unsupported length. **Chain length \( \frac{R}{2} + K \)**

---

**Before using Series 2600 on long travels, please consult igus®**.
Polymer pivoting | Recommended for unsupported and gliding applications | Standard Polymer locking | Recommended for vertical hanging and standing applications

<table>
<thead>
<tr>
<th>Width Index</th>
<th>Part No. full set pivoting:</th>
<th>Part No. full set locking:</th>
<th>Dim. A [mm]</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>.05</td>
<td>2605.34PZB</td>
<td>2605.12PZB</td>
<td>30</td>
<td>5</td>
</tr>
<tr>
<td>.06</td>
<td>2606.34PZB</td>
<td>2606.12PZB</td>
<td>45</td>
<td>5</td>
</tr>
<tr>
<td>.07</td>
<td>2607.34PZB</td>
<td>2607.12PZB</td>
<td>55</td>
<td>7</td>
</tr>
<tr>
<td>.09</td>
<td>2609.34PZB</td>
<td>2609.12PZB</td>
<td>70</td>
<td>9</td>
</tr>
<tr>
<td>.10</td>
<td>2610.34PZB</td>
<td>2610.12PZB</td>
<td>80</td>
<td>10</td>
</tr>
<tr>
<td>.12</td>
<td>2612.34PZB</td>
<td>2612.12PZB</td>
<td>105</td>
<td>12</td>
</tr>
<tr>
<td>.15</td>
<td>2615.34PZB</td>
<td>2615.12PZB</td>
<td>130</td>
<td>15</td>
</tr>
<tr>
<td>.17</td>
<td>2617.34PZB</td>
<td>2617.12PZB</td>
<td>155</td>
<td>17</td>
</tr>
</tbody>
</table>

Full set with tiewrap plate + 10 cable tiewraps, please add index K1. e.g. 2605.34PZB K1.

Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index A1... A4.

KMA pivoting to one side: Moving end 26101...3 / Fixed end 26101...4

Option: Steel locking Part No. 260.12 - For e-chains® and e-tubes available

E2/000 | e-chains® 2600-2700 | Accessories

Mounting brackets, polymer | pivoting | locking

E2/000 | e-chains® 2600-2700 | Accessories

KMA mounting brackets | Attachment on all sides | pivoting | locking

Moving end 26001...1 / 26001...1
Fixed end 26001...2 / 26001...2
Frontal view of KMA

Part No. structure 26001.05.12 C A

Part No. structure 26001.05.12 C A

A...must be indicated on preassembled configurations.
With strain relief tiewrap plates
Full set pivoting = 34
Mounting bracket for selected width index

Part No. structure 26001.05.12 C A

These attachment types are set automatically in the choice of the KMA mounting bracket.
For the preassembled mode please add index A.

igus® GmbH Germany | Phone +49 2203 9649-800 Fax -222 | info@igus.de | www.igus.eu

3D-CAD files, configurators, PDF | www.igus.eu/2600 | www.igus.eu/2700

Strain relief: e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options >>> from page 656

Strain relief: e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options >>> from page 656
**E2/000 | e-chains® 2600-2700 | Accessories**

**Interior separation | New generation**

Previous interior separation with optional elements: [www.igus.eu/2600](http://www.igus.eu/2600) | [www.igus.eu/2700](http://www.igus.eu/2700)

---

**Standard - for any application**
Separator with a wide base for maximum locking strength and safe standing in e-chains*.

**For even faster installation**
Firm hold to one side with a wide base, narrow on opposed side for easy cable assembly.

**For many thin cables**
Separator with a narrow base for a large number of thin cables side by side. Saves space in e-chains*.

**For side-mounted applications**
Asymmetrical separator, for defined distance. No additional spacers necessary.

---

**New in this catalogue**
Locks safely in 2.5 mm increments
Notch separator for exact positioning in e-chains®
Recommended for side-mounted applications.

---

**Horizontal separation**
Full-width shelf locks safely into separators on both ends, fixed width possible. To be used as full-width shelf for a consequent subdivision or as shelf for a pattern system in 3 levels.

---

**Separator with integrated strain relief**
Strain relief separator Part No. 262.Z can be integrated into the mounting bracket and can be placed at any point of the e-chain*. It combines strain relief and interior separation, it can be installed on the first or last e-chain® link and is easy to assemble without any screws. More information from page 676

---

**Optional: Support tray kit - for support of the lower run**
- Simple one-piece support trays, according to your requirements and specification
- Easy installation onto your machine, on profiles or wall-mount brackets
- igus® support tray - available in 2 types and 4 options

More information from page 740

---

**Extender crossbars**
- Enormous increase of the interior for the smooth guiding of larger hoses.
- Suitable for hoses with an outer diameter of max. 58 mm.

---

**Interior separation for extender crossbars**
Standard separator, wide base
For maximum locking strength and safe standing in standard configuration separators are assembled every 2nd link.

---

**Horizontal separation**
Full-width shelf locks safely into separators on both ends, fixed width possible. Separators can be moved freely over the shelf in horizontal direction. Can be arranged at 5 different heights.

---

**E2/000 | e-chains® 2600-2700 | Further Accessories**

---

**Bending radii**
- Suitable for hoses with an outer diameter of max. 58 mm.
- Extender crossbars - Enormous increase of the interior for the smooth guiding of larger hoses.
- Suitable for hoses with an outer diameter of max. 58 mm.
## Dimensions

### Unsupported applications | Short travels

<table>
<thead>
<tr>
<th>R</th>
<th>063*</th>
<th>075*</th>
<th>100</th>
<th>125</th>
<th>150</th>
<th>175</th>
<th>200</th>
<th>250</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>176</td>
<td>200</td>
<td>250</td>
<td>300</td>
<td>350</td>
<td>400</td>
<td>450</td>
<td>550</td>
</tr>
<tr>
<td>D</td>
<td>172</td>
<td>184</td>
<td>209</td>
<td>234</td>
<td>259</td>
<td>284</td>
<td>309</td>
<td>359</td>
</tr>
<tr>
<td>K</td>
<td>310</td>
<td>350</td>
<td>430</td>
<td>505</td>
<td>585</td>
<td>665</td>
<td>745</td>
<td>900</td>
</tr>
</tbody>
</table>

The required clearance height: \( HF = H + 35 \text{ mm} \) (with 2.0 kg/m fill weight)

*Radius available upon request, please consult igus® for delivery time. Before using Series 2650/2680 on long travels please consult igus®.

### Fill weight \([\text{kg/m}]\)

- Unsupported length: \( FL_G = FL_B \)
- Length of travel: \( S \)

### Unsupported length \( FL_G / FL_B \) [m]

<table>
<thead>
<tr>
<th>Length of travel ( S ) [m]</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
</tr>
<tr>
<td>30</td>
</tr>
<tr>
<td>40</td>
</tr>
<tr>
<td>50</td>
</tr>
</tbody>
</table>

### Length of travel \( S \) [m]

<table>
<thead>
<tr>
<th>Length of travel ( S ) [m]</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
</tr>
<tr>
<td>30</td>
</tr>
<tr>
<td>40</td>
</tr>
<tr>
<td>50</td>
</tr>
</tbody>
</table>

### Unsupported length \( FL_G / FL_B \) [m]

<table>
<thead>
<tr>
<th>Unsupported length ( FL_G / FL_B ) [m]</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
</tr>
<tr>
<td>30</td>
</tr>
<tr>
<td>40</td>
</tr>
<tr>
<td>50</td>
</tr>
</tbody>
</table>

### Radii 063, 075: the e-tube is not completely enclosed. Please consult igus®

*Radius available upon request, please consult igus® for delivery time.

Supplement Part No. with required radius (R). Example: 2650.05.100.0

---

### Open e-chains in a flash with the igus® e-chain® opener

Reduce assembly time from 33 to 2 sec. with the igus® e-chain® opener. Open a long piece of e-chain® in one go. Part No. 908.254.2600 for Series 2650. For widths Bi [mm] 06, 07, 09, 10

More information and video: www.igus.eu/savetime

---

### E2/000 | e-tubes 2650-2680

**Chip protection**

**Half e-tubes | Series 2650 snap-open along inner radius, closed along outer radius**

**Full e-tubes | Series 2680 snap-open along inner radius, fully enclosed**

<table>
<thead>
<tr>
<th>Half e-tubes (Bi)</th>
<th>Full e-tubes (Bi)</th>
<th>R</th>
<th>2650</th>
<th>2680</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bi [mm]</td>
<td>Bi [mm]</td>
<td></td>
<td>[kg/m]</td>
<td>[kg/m]</td>
</tr>
<tr>
<td>2650.05.R0</td>
<td>2680.05.R0</td>
<td>50</td>
<td>66</td>
<td>1.25</td>
</tr>
<tr>
<td>2650.06.R0</td>
<td>2680.06.R0</td>
<td>65</td>
<td>81</td>
<td>1.36</td>
</tr>
<tr>
<td>2650.07.R0</td>
<td>2680.07.R0</td>
<td>75</td>
<td>91</td>
<td>1.40</td>
</tr>
<tr>
<td>2650.09.R0</td>
<td>2680.09.R0</td>
<td>90</td>
<td>106</td>
<td>1.55</td>
</tr>
<tr>
<td>2650.10.R0</td>
<td>2680.10.R0</td>
<td>100</td>
<td>116</td>
<td>1.61</td>
</tr>
<tr>
<td>2650.12.R0</td>
<td>2680.12.R0</td>
<td>125</td>
<td>141</td>
<td>1.70</td>
</tr>
<tr>
<td>2650.15.R0</td>
<td>2680.15.R0</td>
<td>150</td>
<td>166</td>
<td>1.80</td>
</tr>
<tr>
<td>2650.17.R0</td>
<td>2680.17.R0</td>
<td>175</td>
<td>194</td>
<td>2.00</td>
</tr>
</tbody>
</table>

*Radius available upon request, please consult igus® for delivery time.

Radii 063, 075: the e-tube is not completely enclosed. Please consult igus®.
E2/000 | e-tubes 2650-2680 | Accessories
Mounting brackets, polymer | pivoting | locking

### Polymer pivoting | Recommended for unsupported applications | Standard
Polymer locking | Recommended for vertical hanging and standing applications

<table>
<thead>
<tr>
<th>Width index</th>
<th>Part No. full set pivoting: with tiewrap plates</th>
<th>Part No. full set locking: with tiewrap plates</th>
<th>Dim. A [mm]</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>.05</td>
<td>2605.34PZB 2605.34PZ 2605.12PZb 2605.12PZ</td>
<td>2605.12PZb 2605.12PZ</td>
<td>30</td>
<td>5</td>
</tr>
<tr>
<td>.06</td>
<td>2606.34PZB 2606.34PZ 2606.12PZb 2606.12PZ</td>
<td>2606.12PZb 2606.12PZ</td>
<td>45</td>
<td>7</td>
</tr>
<tr>
<td>.07</td>
<td>2607.34PZB 2607.34PZ 2607.12PZb 2607.12PZ</td>
<td>2607.12PZb 2607.12PZ</td>
<td>55</td>
<td>7</td>
</tr>
<tr>
<td>.09</td>
<td>2609.34PZB 2609.34PZ 2609.12PZb 2609.12PZ</td>
<td>2609.12PZb 2609.12PZ</td>
<td>70</td>
<td>9</td>
</tr>
<tr>
<td>.10</td>
<td>2610.34PZB 2610.34PZ 2610.12PZb 2610.12PZ</td>
<td>2610.12PZb 2610.12PZ</td>
<td>80</td>
<td>10</td>
</tr>
<tr>
<td>.12</td>
<td>2612.34PZB 2612.34PZ 2612.12PZb 2612.12PZ</td>
<td>2612.12PZb 2612.12PZ</td>
<td>105</td>
<td>13</td>
</tr>
<tr>
<td>.15</td>
<td>2615.34PZB 2615.34PZ 2615.12PZb 2615.12PZ</td>
<td>2615.12PZb 2615.12PZ</td>
<td>130</td>
<td>15</td>
</tr>
<tr>
<td>.17</td>
<td>2617.34PZB 2617.34PZ 2617.12PZb 2617.12PZ</td>
<td>2617.12PZb 2617.12PZ</td>
<td>155</td>
<td>17</td>
</tr>
</tbody>
</table>

Full set with tiewrap plate + 10 cable tiewraps, please add index K1. e.g. 2605.34PZB K1.

Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index A1...A4.

### KMA pivoting | Recommended for unsupported applications
KMA locking | Recommended for vertical hanging and standing applications

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>.05</td>
<td>265001 268000.05.12.C 268000.05.12.C 26510 26810.05.12.C 26510 26810.05.12.C</td>
<td>265001 268000.05.12.C 268000.05.12.C 26510 26810.05.12.C 26510 26810.05.12.C</td>
<td>58</td>
<td>69</td>
</tr>
</tbody>
</table>

KMA pivoting: Part No. 265001... for half e-tube Series 2650 / Part No. 268000... for full e-tube Series 2680
KMA locking: Part No. 26510... for half e-tube Series 2650 / Part No. 26810... for full e-tube Series 2680

(KMA = Polymer Metal Mounting Bracket)

---

Strain relief e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options from page 656.
E2/000 | e-tubes 2650-2680 | Accessories

**Interior separation | New generation**

New in this catalogue for e-tubes

Previous interior separation with optional elements: www.igus.eu/2650 | www.igus.eu/2680

No lateral spacing to side links necessary.

As standard separators are assembled every 2nd e-chain link.

---

**Standard - for any application**

Separator with a wide base for maximum locking strength and safe standing in e-chains.

For even faster installation:

Firm hold to one side with a wide base, narrow on opposed side for easy cable assembly.

For many thin cables:

Separator with a narrow base for a large number of thin cables side by side. Saves space in e-chains.

For side-mounted applications:

Asymmetrical separator, for defined distance. No additional spacers necessary.

**New** in this catalogue

Locks safely in 2,5 mm increments

Notch separator for exact positioning in e-chains.

Recommended for side-mounted applications.

**Horizontal separation**

Full-width shelf locks safely into separators on both ends, fixed width possible. Can be arranged at 5 different heights.

---

**E2/000 e-tubes 2650-2680 Further Accessories**

**Extender crossbars**

Extender crossbars only for Series 2650 - Enormous increase of the interior for the smooth guiding of larger hoses.

Suitable for hoses with an outer diameter of max. 58 mm.

Supplement Part No. with required radius (R). Example: 2650.15D58.R0

---

**Interior separation for extender crossbars**

Standard separator; wide base

For maximum locking strength and safe standing in e-chains.

---

**Horizontal separation**

Full-width shelf locks safely into separators on both ends, fixed width possible. Separators can be moved freely over the shelf in horizontal direction. Can be arranged at 5 different heights.

---

**Optional: Support tray kit - for support of the lower run**

- Simple one-piece support trays according to your requirements and specification
- Easy installation onto your machine, on profiles or wall-mount brackets
- igus® support tray - available in 2 types and 4 options

More information from page 740
e-chains\(^*\) Series 3400 snap-open along inner radius

e-chains\(^*\) Series 3500 snap-open along outer radius

<table>
<thead>
<tr>
<th>e-chains(^*) snap-open along inner radius</th>
<th>e-chains(^*) snap-open along outer radius</th>
<th>(B_{i})</th>
<th>(B_{a})</th>
<th>(R)</th>
<th>Bending radii</th>
<th>(3400)</th>
<th>(3500)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(3400) 050.R.O</td>
<td>(3500) 050,R.O</td>
<td>50</td>
<td>70</td>
<td>075</td>
<td>100</td>
<td>125</td>
<td>150</td>
</tr>
<tr>
<td>(3400) 075.R.O</td>
<td>(3500) 075,R.O</td>
<td>75</td>
<td>95</td>
<td>075</td>
<td>100</td>
<td>125</td>
<td>150</td>
</tr>
<tr>
<td>(3400) 100.R.O</td>
<td>(3500) 100,R.O</td>
<td>100</td>
<td>120</td>
<td>075</td>
<td>100</td>
<td>125</td>
<td>150</td>
</tr>
<tr>
<td>(3400) 115,R.O</td>
<td>(3500) 115,R.O</td>
<td>115</td>
<td>135</td>
<td>075</td>
<td>100</td>
<td>125</td>
<td>150</td>
</tr>
<tr>
<td>(3400) 125,R.O</td>
<td>(3500) 125,R.O</td>
<td>125</td>
<td>145</td>
<td>075</td>
<td>100</td>
<td>125</td>
<td>150</td>
</tr>
<tr>
<td>(3400) 150,R.O</td>
<td>(3500) 150,R.O</td>
<td>150</td>
<td>170</td>
<td>075</td>
<td>100</td>
<td>125</td>
<td>150</td>
</tr>
<tr>
<td>(3400) 175,R.O</td>
<td>(3500) 175,R.O</td>
<td>175</td>
<td>195</td>
<td>075</td>
<td>100</td>
<td>125</td>
<td>150</td>
</tr>
<tr>
<td>(3400) 200,R.O</td>
<td>(3500) 200,R.O</td>
<td>200</td>
<td>220</td>
<td>075</td>
<td>100</td>
<td>125</td>
<td>150</td>
</tr>
<tr>
<td>(3400) 225,R.O</td>
<td>(3500) 225,R.O</td>
<td>225</td>
<td>245</td>
<td>075</td>
<td>100</td>
<td>125</td>
<td>150</td>
</tr>
<tr>
<td>(3400) 250,R.O</td>
<td>(3500) 250,R.O</td>
<td>250</td>
<td>270</td>
<td>075</td>
<td>100</td>
<td>125</td>
<td>150</td>
</tr>
</tbody>
</table>

Half e-tubes, Series 3450 and full e-tubes Series 3400 \(\text{from page 316}\)

Supplement Part No. with required radius \((\text{R})\). Example: 3500.075.200.0

Open e-chains\(^*\) in a flash with the igus\(^*\) e-chain opener

Reduce assembly time from 33 to 2 sec. with the igus\(^*\) e-chain Opener. Open a long piece of e-chain\(^*\) in one go. Part No. 908.254.3400 for Series 3400/3500.

For width \((B)\) [mm]: 050, 075, 100, 115.

More information and video [www.igus.eu/savetime](http://www.igus.eu/savetime)

Before using Series 3400 on long travels, please consult igus\(^*\). Before using Series 3400 on long travels, please consult igus\(^*\).
### Polymer pivoting | Recommended for unsupported and gliding applications | Standard Polymers

<table>
<thead>
<tr>
<th>Width Index</th>
<th>Part No. full set pivoting:</th>
<th>Part No. full set locking:</th>
<th>Dim. A (mm)</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>.050</td>
<td>3050.34PZB</td>
<td>3050.12PZ</td>
<td>28</td>
<td>5</td>
</tr>
<tr>
<td>.075</td>
<td>3075.34PZB</td>
<td>3075.12PZ</td>
<td>53</td>
<td>7</td>
</tr>
<tr>
<td>.100</td>
<td>3100.34PZB</td>
<td>3100.12PZ</td>
<td>78</td>
<td>10</td>
</tr>
<tr>
<td>.115</td>
<td>3115.34PZB</td>
<td>3115.12PZ</td>
<td>93</td>
<td>11</td>
</tr>
<tr>
<td>.125</td>
<td>3125.34PZB</td>
<td>3125.12PZ</td>
<td>103</td>
<td>12</td>
</tr>
<tr>
<td>.150</td>
<td>3150.34PZB</td>
<td>3150.12PZ</td>
<td>128</td>
<td>15</td>
</tr>
<tr>
<td>.175</td>
<td>3175.34PZB</td>
<td>3175.12PZ</td>
<td>153</td>
<td>17</td>
</tr>
<tr>
<td>.200</td>
<td>3200.34PZB</td>
<td>3200.12PZ</td>
<td>178</td>
<td>20</td>
</tr>
<tr>
<td>.225</td>
<td>3225.34PZB</td>
<td>3225.12PZ</td>
<td>203</td>
<td>22</td>
</tr>
<tr>
<td>.250</td>
<td>3250.34PZB</td>
<td>3250.12PZ</td>
<td>228</td>
<td>25</td>
</tr>
</tbody>
</table>

Full set with tiewrap plate + 10 cable tiewraps, please add index K1. e.g. 3250.34PZB K1.

---

### KMA pivoting | Recommended for unsupported and gliding applications | KMA Locking | Recommended for vertical hanging and standing applications

<table>
<thead>
<tr>
<th>Width Index</th>
<th>Part No. full set KMA pivoting:</th>
<th>Part No. full set KMA locking:</th>
<th>Dim. A (mm)</th>
<th>Dim. B (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>.050</td>
<td>3401.050.12C</td>
<td>3401.050.12</td>
<td>63</td>
<td>74</td>
</tr>
<tr>
<td>.075</td>
<td>3401.075.12C</td>
<td>3401.075.12</td>
<td>88</td>
<td>99</td>
</tr>
<tr>
<td>.100</td>
<td>3401.100.12C</td>
<td>3401.100.12</td>
<td>113</td>
<td>124</td>
</tr>
<tr>
<td>.115</td>
<td>3401.115.12C</td>
<td>3401.115.12</td>
<td>128</td>
<td>139</td>
</tr>
<tr>
<td>.125</td>
<td>3401.125.12C</td>
<td>3401.125.12</td>
<td>138</td>
<td>149</td>
</tr>
<tr>
<td>.150</td>
<td>3401.150.12C</td>
<td>3401.150.12</td>
<td>163</td>
<td>174</td>
</tr>
<tr>
<td>.175</td>
<td>3401.175.12C</td>
<td>3401.175.12</td>
<td>188</td>
<td>199</td>
</tr>
<tr>
<td>.200</td>
<td>3401.200.12C</td>
<td>3401.200.12</td>
<td>213</td>
<td>224</td>
</tr>
<tr>
<td>.225</td>
<td>3401.225.12C</td>
<td>3401.225.12</td>
<td>238</td>
<td>249</td>
</tr>
<tr>
<td>.250</td>
<td>3401.250.12C</td>
<td>3401.250.12</td>
<td>263</td>
<td>274</td>
</tr>
</tbody>
</table>

KMA pivoting to one side: Moving end 34001/34101...3/ Fixed end 34001...4

---

### Strain relief e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options from page 656.

### Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index A1...A4.

---

### Options Steel pivoting Part No. 3000.12 - For e-chains’ and e-tubes available
- Pivoting connections | One part (2-piece) for all e-chain widths | Electrical conductive.

---

### Strain relief e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options from page 656.
**E2/000** | e-chains® 3400-3500 | Accessories

**Interior separation | New generation**

Previous interior separation with optional elements ➤ www.igus.eu/3400 ➤ www.igus.eu/3500

---

**Standard - for any application**
Separator with a wide base for maximum locking strength and safe standing in e-chains®.

**For even faster installation**
Firm hold to one side with a wide base, narrow on opposed side for easy cable assembly.

**For many thin cables**
Separator with a narrow base for a large number of thin cables side by side. Saves space in e-chains®.

**For side-mounted applications**
Asymmetrical separator, for defined distance. No additional spacers necessary.

**Horizontal separation**
Full-width shelf locks safely into separators on both ends, fixed width possible. To be used as full-width shelf for a consequent subdivision or as shelf for a pattern system in 3 levels.

---

**Extender crossbars**

Suitable for hoses with an outer diameter of max. 80 mm.

Extender crossbars
- Enormous increase of the interior for the smooth guiding of larger hoses.
- For maximum locking strength and safe standing in e-chains®. Standard - for any application
Separator with a wide base for maximum locking strength and safe standing in e-chains®.

**Interior separation for extender crossbars**

For maximum locking strength and safe standing. In standard configuration separators are assembled every 2nd link.

---

**Separator with integrated strain relief**
Strain relief separator Part No. 301.Z can be integrated into the mounting bracket and can be placed at any point of the e-chain®. It combines strain relief and interior separation, it can be installed on the first or last e-chain® link and is easy to assemble without any screws. 

**Optional: Support tray kit - for support of the lower run**
- Simple one-piece support trays, according to your requirements and specification
- Easy installation onto your machine, on profiles or wall-mount brackets
- igus® support tray - available in 2 types and 4 options

More information ➤ from page 740
## E2/000 | e-tubes 3450-3480

### Half e-tubes

**Series 3450** snap-open along inner radius, closed along outer radius

**Series 3480** snap-open along inner radius, fully enclosed

<table>
<thead>
<tr>
<th>Half e-tubes</th>
<th>Full e-tubes 3450-3450</th>
<th>Bi</th>
<th>Ba</th>
<th>R</th>
<th>Bending radii</th>
<th>3450</th>
<th>3480</th>
</tr>
</thead>
<tbody>
<tr>
<td>3450.050.R0</td>
<td>3450.050.R0</td>
<td>50</td>
<td>70</td>
<td></td>
<td>75</td>
<td>105</td>
<td>109</td>
</tr>
<tr>
<td>3450.075.R0</td>
<td>3450.075.R0</td>
<td>75</td>
<td>95</td>
<td></td>
<td>105</td>
<td>175</td>
<td>179</td>
</tr>
<tr>
<td>3450.100.R0</td>
<td>3450.100.R0</td>
<td>100</td>
<td>120</td>
<td></td>
<td>105</td>
<td>195</td>
<td>199</td>
</tr>
<tr>
<td>3450.115.R0</td>
<td>3450.115.R0</td>
<td>115</td>
<td>135</td>
<td></td>
<td>105</td>
<td>205</td>
<td>209</td>
</tr>
<tr>
<td>3450.125.R0</td>
<td>3450.125.R0</td>
<td>125</td>
<td>145</td>
<td></td>
<td>105</td>
<td>225</td>
<td>229</td>
</tr>
<tr>
<td>3450.150.R0</td>
<td>3450.150.R0</td>
<td>150</td>
<td>170</td>
<td></td>
<td>105</td>
<td>245</td>
<td>249</td>
</tr>
<tr>
<td>3450.175.R0</td>
<td>3450.175.R0</td>
<td>175</td>
<td>195</td>
<td></td>
<td>105</td>
<td>265</td>
<td>269</td>
</tr>
<tr>
<td>3450.200.R0</td>
<td>3450.200.R0</td>
<td>200</td>
<td>220</td>
<td></td>
<td>105</td>
<td>285</td>
<td>289</td>
</tr>
<tr>
<td>3450.225.R0</td>
<td>3450.225.R0</td>
<td>225</td>
<td>245</td>
<td></td>
<td>105</td>
<td>305</td>
<td>309</td>
</tr>
<tr>
<td>3450.250.R0</td>
<td>3450.250.R0</td>
<td>250</td>
<td>270</td>
<td></td>
<td>105</td>
<td>325</td>
<td>329</td>
</tr>
</tbody>
</table>

| 3480.050.R0  | 3480.050.R0            | 50 | 70 |   | 75             | 105  | 109  |
| 3480.075.R0  | 3480.075.R0            | 75 | 95 |   | 105            | 175  | 179  |
| 3480.100.R0  | 3480.100.R0            | 100| 120|   | 105            | 195  | 199  |
| 3480.115.R0  | 3480.115.R0            | 115| 135|   | 105            | 205  | 209  |
| 3480.125.R0  | 3480.125.R0            | 125| 145|   | 105            | 225  | 229  |
| 3480.150.R0  | 3480.150.R0            | 150| 170|   | 105            | 245  | 249  |
| 3480.175.R0  | 3480.175.R0            | 175| 195|   | 105            | 265  | 269  |
| 3480.200.R0  | 3480.200.R0            | 200| 220|   | 105            | 285  | 289  |
| 3480.225.R0  | 3480.225.R0            | 225| 245|   | 105            | 305  | 309  |
| 3480.250.R0  | 3480.250.R0            | 250| 270|   | 105            | 325  | 329  |

*Radius available upon request, please consult igus* for delivery time

Radi 075, 100: the e-tube is not completely enclosed. Please consult igus.

Supplement Part No. with required radius (R). Example: 3450.075.R000.0

## Dimensions

### Unsupported applications | Short travels

<table>
<thead>
<tr>
<th>R</th>
<th>075*</th>
<th>100*</th>
<th>125</th>
<th>150</th>
<th>200</th>
<th>250</th>
<th>300</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>214</td>
<td>264</td>
<td>314</td>
<td>364</td>
<td>464</td>
<td>564</td>
<td>664</td>
</tr>
<tr>
<td>D</td>
<td>208</td>
<td>233</td>
<td>258</td>
<td>283</td>
<td>333</td>
<td>383</td>
<td>433</td>
</tr>
<tr>
<td>K</td>
<td>370</td>
<td>450</td>
<td>530</td>
<td>610</td>
<td>765</td>
<td>920</td>
<td>1080</td>
</tr>
</tbody>
</table>

The required clearance height: \( H_0 = H + 40 \text{ mm} \) (with 2.5 kg/m fill weight)

*Radius available upon request, please consult igus* for delivery time

Before using Series 3450/3480 on long travels please consult igus.

---

**Open-e-chains** in a flash with the igus® e-chain® opener

Reduce assembly time from 33 to 2 sec. with the igus® e-chain® opener. Open a long piece of e-chain® in one go. Part No. 908.254.3400 for Series 3450. For widths Bi (mm) 050, 075, 100, 115.

More information and video ➤ [www.igus.eu/savetime](http://www.igus.eu/savetime)
E2/000 | e-tubes 3450-3480 | Accessories

Polymer pivoting | Recommended for unsupported applications | Standard
Polymer locking | Recommended for vertical hanging and standing applications

<table>
<thead>
<tr>
<th>Width Index</th>
<th>Part No. full set pivoting: with bearing plates</th>
<th>Part No. full set locking: with bearing plates</th>
<th>Dim. A</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>.050.</td>
<td>3050.34PZB</td>
<td>3050.34PZB</td>
<td>28</td>
<td>5</td>
</tr>
<tr>
<td>.075.</td>
<td>3075.34PZB</td>
<td>3075.34PZB</td>
<td>53</td>
<td>7</td>
</tr>
<tr>
<td>.100.</td>
<td>3100.34PZB</td>
<td>3100.34PZB</td>
<td>78</td>
<td>10</td>
</tr>
<tr>
<td>.115.</td>
<td>3115.34PZB</td>
<td>3115.34PZB</td>
<td>93</td>
<td>11</td>
</tr>
<tr>
<td>.125.</td>
<td>3125.34PZB</td>
<td>3125.34PZB</td>
<td>103</td>
<td>12</td>
</tr>
<tr>
<td>.150.</td>
<td>3150.34PZB</td>
<td>3150.34PZB</td>
<td>128</td>
<td>15</td>
</tr>
<tr>
<td>.175.</td>
<td>3175.34PZB</td>
<td>3175.34PZB</td>
<td>153</td>
<td>17</td>
</tr>
<tr>
<td>.200.</td>
<td>3200.34PZB</td>
<td>3200.34PZB</td>
<td>178</td>
<td>20</td>
</tr>
<tr>
<td>.225.</td>
<td>3225.34PZB</td>
<td>3225.34PZB</td>
<td>203</td>
<td>22</td>
</tr>
<tr>
<td>.250.</td>
<td>3250.34PZB</td>
<td>3250.34PZB</td>
<td>228</td>
<td>25</td>
</tr>
</tbody>
</table>

Full set with tiewrap plate + 10 cable tieswaps, please add index K1 | e.g. 3250.34PZBK1

Part No. structure
3075.34PZB | A

A... must be indicated in preassembled configurations
With strain relief tiewrap plates
Full set pivoting = 34
Mounting bracket for selected width index

Moving end
\[3\ldots 3PZ(B)\]/3\ldots 4PZ(B)

Fixed end
\[3\ldots 4PZ(B)\]/2\ldots 2PZ(B)

KMA pivoting | Recommended for unsupported applications
KMA locking | Recommended for vertical hanging and standing applications

<table>
<thead>
<tr>
<th>Width Index</th>
<th>Part No. full set KMA pivoting: with C-profile</th>
<th>Part No. full set KMA locking: with C-profile</th>
<th>Dim. A</th>
<th>Dim. B</th>
</tr>
</thead>
<tbody>
<tr>
<td>.050.</td>
<td>345001</td>
<td>345100</td>
<td>63</td>
<td>74</td>
</tr>
<tr>
<td>.075.</td>
<td>345007</td>
<td>345107</td>
<td>88</td>
<td>99</td>
</tr>
<tr>
<td>.100.</td>
<td>345010</td>
<td>345110</td>
<td>113</td>
<td>124</td>
</tr>
<tr>
<td>.115.</td>
<td>345015</td>
<td>345115</td>
<td>128</td>
<td>139</td>
</tr>
<tr>
<td>.125.</td>
<td>345025</td>
<td>345125</td>
<td>138</td>
<td>149</td>
</tr>
<tr>
<td>.150.</td>
<td>345035</td>
<td>345135</td>
<td>163</td>
<td>174</td>
</tr>
<tr>
<td>.175.</td>
<td>345055</td>
<td>345155</td>
<td>188</td>
<td>199</td>
</tr>
<tr>
<td>.200.</td>
<td>345070</td>
<td>345170</td>
<td>213</td>
<td>224</td>
</tr>
<tr>
<td>.225.</td>
<td>345095</td>
<td>345205</td>
<td>238</td>
<td>249</td>
</tr>
<tr>
<td>.250.</td>
<td>345120</td>
<td>345250</td>
<td>263</td>
<td>274</td>
</tr>
</tbody>
</table>

KMA pivoting: Part No. 345000... for half e-tube Series 3450 / Part No. 348000... for full e-tube Series 3480
KMA locking: Part No. 345100... for half e-tube Series 3450 / Part No. 348100... for full e-tube Series 3480

(KMA = Polymer Metal Mounting Bracket)

Part No. structure
34800 075.12C | A

A... must be indicated in preassembled configurations

With integrated C-profile

Full set with integrated C-profile

KMA pivoting

Strain relief e.g. clamps, tiewrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options | from page 656

igus® GmbH Germany | Phone +49 2203 9649-900 Fax -222 | info@igus.de | www.igus.eu
E2/000 | e-tubes 3450-3480 | Accessories

Interior separation | New generation

Previous interior separation with optional elements | www.igus.eu/3450 | www.igus.eu/3480

No lateral spacing to side links necessary. As standard separators are assembled every 2nd e-chain link.

Standard - for any application
Separator with a wide base for maximum locking strength and safe standing in e-chains.

For even faster installation
Firm hold to one side with a wide base, narrow on opposed side for easy cable assembly.

For many thin cables
Separator with a narrow base for a large number of thin cables side by side. Saves space in e-chains.

For side-mounted applications
Asymmetrical separator, for defined distance. No additional spacers necessary.

Horizontal separation
Full-width shelf locks safely into separators on both ends, fixed width possible. To be used as full-width shelf for a consequent subdivision or as shelf for a pattern system in 3 levels.

Separator with integrated strain relief
Strain relief separator Part No.: 3450.1.Z can be integrated into the mounting bracket and can be placed at any point of the e-chain. It combines strain relief and interior separation, it can be installed on the first or last e-chain link and is easy to assemble without any screws. More information | from page 676

Optional: Support tray kit - for support of the lower run
- Simple one-piece support trays, according to your requirements and specification
- Easy installation onto your machine, on profiles or wall-mount brackets
- igus® support tray - available in 2 types and 4 options
More information | from page 740

Extender crossbars

Extender crossbars only for Series 3450 - Enormous increase of the interior for the smooth guiding of larger hoses. Suitable for hoses with an outer diameter of max. 80 mm.

Extender crossbars for half e-tubes snap-open along inner radius
Bi | Ba | R Bending radii
--- | --- | ---
3450.100.D80 | 80 | 100 120 125 150 200 250 300
3450.200.D80 | 80 | 200 220 125 150 200 250 300

Supplement Part No. with required radius (R). Example: 3450.100.D80,200.0

Interior separation for extender crossbars

Standard separator; wide base
For maximum locking strength and safe standing. Standard configuration separators are assembled every 2nd link.

Separator, narrow head
For side-mounted applications

Separator, asymmetrical
For many thin cables

Full-width shelf, lockable
Horizontal separation
Full-width shelf locks safely into separators on both ends, fixed width possible. Can be arranged at 7 different heights.

Lockable full-width shelves - for the standard interior separation

<table>
<thead>
<tr>
<th>Width X</th>
<th>unassembled</th>
<th>assembled</th>
</tr>
</thead>
<tbody>
<tr>
<td>050</td>
<td>3200.050</td>
<td>3210.050</td>
</tr>
<tr>
<td>075</td>
<td>3200.075</td>
<td>3210.075</td>
</tr>
<tr>
<td>100</td>
<td>3200.100</td>
<td>3210.100</td>
</tr>
<tr>
<td>115</td>
<td>3200.115</td>
<td>3210.115</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Width X</th>
<th>unassembled</th>
<th>assembled</th>
</tr>
</thead>
<tbody>
<tr>
<td>125</td>
<td>3200.125</td>
<td>3210.125</td>
</tr>
<tr>
<td>150</td>
<td>3200.150</td>
<td>3210.150</td>
</tr>
<tr>
<td>175</td>
<td>3200.175</td>
<td>3210.175</td>
</tr>
<tr>
<td>200</td>
<td>3200.200</td>
<td>3210.200</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Width X</th>
<th>unassembled</th>
<th>assembled</th>
</tr>
</thead>
<tbody>
<tr>
<td>225</td>
<td>3200.225</td>
<td>3210.225</td>
</tr>
<tr>
<td>225</td>
<td>3200.225</td>
<td>3210.225</td>
</tr>
<tr>
<td>250</td>
<td>3200.250</td>
<td>3210.250</td>
</tr>
</tbody>
</table>

---

More information:
www.igus.eu
Phone +49 2203 9649-800
Fax -222
info@igus.de
GmbH Germany

320 3D-CAD files, configurators, PDF | www.igus.eu/3450 | www.igus.eu/3480

321 igus’ GmbH Germany | Phone +49 2203 9649-800 | Fax -222 | info@igus.de | www.igus.eu

Previous interior separation with optional elements
www.igus.eu/3450 www.igus.eu/3480
**Series 255 | Snap-open along outer radius**

<table>
<thead>
<tr>
<th>B&lt;sub&gt;i&lt;/sub&gt;</th>
<th>B&lt;sub&gt;a&lt;/sub&gt;</th>
<th>R</th>
<th>Weight (kg/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>255. 03. R.0</td>
<td>38</td>
<td>54</td>
<td>0.055</td>
</tr>
<tr>
<td>255. 05. R.0</td>
<td>57</td>
<td>73</td>
<td>0.055</td>
</tr>
<tr>
<td>255. 07. R.0</td>
<td>77</td>
<td>93</td>
<td>0.055</td>
</tr>
<tr>
<td>255. 10. R.0</td>
<td>103</td>
<td>119</td>
<td>0.055</td>
</tr>
</tbody>
</table>

Supplement Part No. with required radius (R). Example: 255.10.200.0

---

**Unsupported applications | Short travels**

<table>
<thead>
<tr>
<th>FL&lt;sub&gt;G&lt;/sub&gt;</th>
<th>FL&lt;sub&gt;B&lt;/sub&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>0</td>
<td>30</td>
</tr>
<tr>
<td>0</td>
<td>40</td>
</tr>
<tr>
<td>0</td>
<td>50</td>
</tr>
<tr>
<td>0</td>
<td>60</td>
</tr>
</tbody>
</table>

 Unsupported length FL<sub>G</sub> / FL<sub>B</sub> [mm] Length of travel S [m] 

<table>
<thead>
<tr>
<th>R</th>
<th>055</th>
<th>075</th>
<th>100</th>
<th>125</th>
<th>150</th>
<th>175</th>
<th>200</th>
<th>225</th>
<th>250</th>
</tr>
</thead>
<tbody>
<tr>
<td>H&lt;sub&gt;i&lt;/sub&gt;</td>
<td>145</td>
<td>185</td>
<td>235</td>
<td>285</td>
<td>335</td>
<td>385</td>
<td>435</td>
<td>485</td>
<td>535</td>
</tr>
<tr>
<td>D</td>
<td>114</td>
<td>134</td>
<td>159</td>
<td>184</td>
<td>209</td>
<td>234</td>
<td>259</td>
<td>284</td>
<td>309</td>
</tr>
<tr>
<td>K</td>
<td>230</td>
<td>295</td>
<td>370</td>
<td>450</td>
<td>530</td>
<td>610</td>
<td>685</td>
<td>765</td>
<td>845</td>
</tr>
</tbody>
</table>

The required clearance height: H<sub>f</sub> = H + 25 mm (with 1.5 kg/m fill weight)

**Gliding applications | Long travels from 10 m to max. 100 m**

<table>
<thead>
<tr>
<th>ΔCL</th>
<th>S/2</th>
<th>S/2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moving end</td>
<td>Fixed end</td>
<td></td>
</tr>
</tbody>
</table>

 ΔCL = Offset fixed point

Note: For long travel (gliding) applications, please consult igus®.
In case of travels between 4 and 10 m we recommend a longer unsupported length. Chain length S/2 + K<sub>2</sub>

<table>
<thead>
<tr>
<th>R</th>
<th>055</th>
<th>075</th>
<th>100</th>
<th>125</th>
<th>150</th>
<th>175</th>
<th>200</th>
<th>225</th>
<th>250</th>
</tr>
</thead>
<tbody>
<tr>
<td>H&lt;sub&gt;i&lt;/sub&gt;</td>
<td>110</td>
<td>150</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>D&lt;sub&gt;2&lt;/sub&gt;</td>
<td>114</td>
<td>134</td>
<td>380</td>
<td>495</td>
<td>570</td>
<td>665</td>
<td>740</td>
<td>1040</td>
<td>1130</td>
</tr>
<tr>
<td>K&lt;sub&gt;2&lt;/sub&gt;</td>
<td>230</td>
<td>295</td>
<td>612</td>
<td>806</td>
<td>945</td>
<td>1112</td>
<td>1223</td>
<td>1610</td>
<td>1779</td>
</tr>
<tr>
<td>ΔCL</td>
<td>-</td>
<td>222</td>
<td>322</td>
<td>372</td>
<td>437</td>
<td>497</td>
<td>*</td>
<td>822</td>
<td></td>
</tr>
</tbody>
</table>

*Values upon request.
E2 medium | Series 255 | Accessories
Mounting brackets, polymer | pivoting | locking

Polymer pivoting | Recommended for unsupported and gliding applications | Standard Polymer locking | Recommended for vertical hanging and standing applications

<table>
<thead>
<tr>
<th>Width Index</th>
<th>Part No. full set pivoting:</th>
<th>Part No. full set locking:</th>
<th>Dim. A [mm]</th>
<th>Number of teeth</th>
</tr>
</thead>
<tbody>
<tr>
<td>.03</td>
<td>2030.34PZ1B</td>
<td>2030.12PZ1B</td>
<td>2030.12PZ1B</td>
<td>90</td>
</tr>
<tr>
<td>.05</td>
<td>2050.34PZ1B</td>
<td>2050.12PZ1B</td>
<td>2050.12PZ1B</td>
<td>64</td>
</tr>
<tr>
<td>.07</td>
<td>2070.34PZ1B</td>
<td>2070.12PZ1B</td>
<td>2070.12PZ1B</td>
<td>44</td>
</tr>
<tr>
<td>.10</td>
<td>2100.34PZ1B</td>
<td>2100.12PZ1B</td>
<td>2100.12PZ1B</td>
<td>25</td>
</tr>
</tbody>
</table>

Full set with tie-wrap plate + 10 cable tiewraps, please add index K1 e.g. 2030.34PZ1BK1.

Part No. structure

A1 A2 A3 A4

Possible installation conditions for assembled mounting brackets. For the preassembled mode please add index A1...A4.

Moving end
2...3PZ1B(1) / 2...1PZ1B(1)

Fixed end
2...4PZ1B(1) / 2...2PZ1B(1)

Pivot

Standard slotted separator 2551
Due to its slot, it allows basic vertical/horizontal shelving arrangements (determining which type of separator to use depends on any potential retrofit requirements).

Full-width shelf 220.X
This option makes sense in applications with many thin cables with similar diameters. For a consequent subdivision, full-width shelves can be arranged at 3 different heights (in 5 mm increments).hths (in 5 mm increments).

Width X [mm] unassembled assembled
038 220.38 221.38
057 220.57 221.57

Slotted separator for e-chains

Shelves

Slotted separator for e-chains

Due to its slot, it allows basic vertical/horizontal shelving arrangements (determining which type of separator to use depends on any potential retrofit requirements).

Standard slotted separator 2553
Due to its slot, it allows basic vertical/horizontal shelving arrangements (determining which type of separator to use depends on any potential retrofit requirements).

Shelf 2200.X
For applications involving many cables with different diameters, shelves can be arranged at alternate heights. They can be arranged at 3 different heights (in 5 mm increments).

Width X [mm] unassembled assembled
018 2200.18 2210.18
023 2200.23 2210.23
028 2200.28 2210.28
033 2200.33 2210.33

No lateral spacing to side links necessary.
As standard separators are assembled every 2nd e-chain link.

Strain relief e.g. clamps, tie-wrap plates, nuggets and plug-in clips are available from stock. The complete chainfix range with order options from page 656.