Energy Chain Systems®
E-Z Chain

- Series E03
- Series E04
- Series E/Z045
- Series E/Z06
- Series E/Z08
- Series E/Z14
- Series E/Z200
- Series E/Z16
- Series E/Z26
- Series E/Z300

- Fast cable accessibility without opening and closing lids
- Torsional movements permitted
- Available with integrated interior separation
- Mounting brackets available with integrated strain relief
- Time-saving accessories such as Quickfix and Quicksnap
- Low price

Product Range
Inner widths from .20” to 5.59”
Inner heights from .20” to 1.91”

Interior Separation
Single or multi-chamber system with separation options

Mounting Brackets
Mounting brackets available with or without integrated tie-wrap plates

Order Example
“E” Series is suitable for some gliding applications; “Z” Series is not suitable

Installation
Layout out cables and/or hoses along inner or outer radius

Guide Troughs
Guide troughs are available upon request
Series E03 "E-Z Chain"

Product Range:
- Inner Widths (W) inches (mm): .20 (05), .28 (07*), .39 (10*)
- Bending Radii (R) inches (mm): .39 (010), .47 (012), .59 (015), .71 (018), 1.10 (028)
- Pitch: .39 (10 mm)/Links = 30.47 links/ft (100 Links/m)

When to use the Series E03:
- If filling is required without opening
- If price is an issue
- If quiet operation is required

When not to use the Series E03:
- If long unsupported travels are required
  - Series 03 "E2 micro", Chapter 4

"E-Z Chain" is a line of Energy Chains® designed for easy handling. Cables and hoses can be inserted directly into these Energy Chains® through a split, memory-retaining crossbar. The split crossbar is available along the outer radius ("E") of the chain. E-Z Chains are ideal for short-cycle, low-speed applications. Because of its design, this line of Energy Chains® is also capable of handling torque in an application. All "E-Z Chain" Energy Chains® are made of a fire-retardant material.
Series E03 “E-Z Chain”

E03 (split crossbar along the outer radius)

Installation Dimensions

R

H

D

K

Pitch: = .39 (10 mm) per link
Links per ft (m): = 30.47 (100)
Chain length: = S/2 + K

Bending Radii for ALL Widths

R = .39 (010) .47 (012) .59 (015)

H = 1.18 (30) 1.34 (34) 1.57 (40)

D = 2.17 (55) 2.36 (60) 2.76 (70)

K = 1.10 (028)

*The required clearance height is HF = H + 10 with .067 lbs/ft (0.1 kg/m) fill weight. Please consult igus® if space is particularly restricted.

Mounting Brackets

Polymer, One Piece

- One-piece mounting bracket
- Corrosion resistant
- Available pre-assembled
- Rapid installation through adaptor plate

Chain Type Part No. Dimension B Part No. 03-10-QF

<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Part No. Full Set</th>
<th>in (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E03-05</td>
<td>03-05-12Z</td>
<td>.34 (8.7)</td>
</tr>
<tr>
<td>E03-07</td>
<td>03-07-12Z</td>
<td>.42 (10.7)</td>
</tr>
<tr>
<td>E03-10</td>
<td>03-10-12Z</td>
<td>.54 (13.7)</td>
</tr>
</tbody>
</table>

03-10-QF = Adapter plate for all sizes

The adapter has broken edges, so that it can be adapted to the respective chain width. It is not absolutely necessary for attaching the mounting brackets. The mounting brackets can also be screwed on without the adapter plate.
Order Example and Technical Data:
Series E03 "E-Z Chain"

Order example

1. Chain selection:

03-05-028-0

2. Mounting brackets:

03-05-12Z

For 2.62 ft (0.8 m) chain, color black, with mounting brackets:
2.62 ft (0.8 m) E03-05-028-0 and 03-05-12Z

80 links — 30.47 links/ft (100 links/m)

Technical Data

<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Weight Per Link (oz.)</th>
<th>Weight Per Link (g)</th>
<th>Weight (lbs/ft)</th>
<th>Weight (kg/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E03-05</td>
<td>0.014</td>
<td>0.022</td>
<td>0.022</td>
<td>0.032</td>
</tr>
<tr>
<td>E03-07</td>
<td>0.018</td>
<td>0.027</td>
<td>0.027</td>
<td>0.040</td>
</tr>
<tr>
<td>E03-10</td>
<td>0.021</td>
<td>0.032</td>
<td>0.032</td>
<td>0.048</td>
</tr>
</tbody>
</table>

Material (chain)          igumid NB
Material (mounting brackets)* igumid G
Permitted temperature     -22°F/212°F (-30°C/+100°C)
Gliding speed max.        Conditionally suitable
Unsupported v max.        32.8 ft/s (10m/s)
Flammability class (chain) VDE 0304 IIC UL94 V2
Flammability class (mounting brackets)* VDE 0304 IIC UL94 HB

*Available in igumid NB upon request, please consult igus® for delivery time

Details of material properties
Design, Chapter 1
Series E04 “E-Z Chain”

**When to use the Series E04:**
- If fast and easy cable and hose installation is required
- If price is an issue
- If torsional rigidity and torque resistance are required
- If very quiet operation is required

**When not to use the Series E04:**
- If long unsupported travels are required
  - Series 06 “E2 micro”, Chapter 4

**Product Range:**
- **Inner Widths (Bi inches (mm):** 0.28 (07)
- **Bending Radii (R) inches (mm):** 0.59 (015), 0.71 (018), 1.10 (028), 1.50 (038), 1.89 (048)
- **Pitch:** 0.66 (16.7 mm)/link = 18.29 links/ft (60 links/m)

**Unsupported length**
- FLB = unsupported with permitted sag
- FLG = unsupported with straight upper run

**Fill weight in (lbs/ft)**

<table>
<thead>
<tr>
<th>FLB</th>
<th>FLG</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0.17</td>
</tr>
<tr>
<td>0.82</td>
<td>0.34</td>
</tr>
<tr>
<td>1.64</td>
<td>0.50</td>
</tr>
</tbody>
</table>

**Unsupported length ft FLB / FLG**

<table>
<thead>
<tr>
<th>FLB</th>
<th>FLG</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0.82</td>
</tr>
<tr>
<td>1.64</td>
<td>1.64</td>
</tr>
<tr>
<td>2.46</td>
<td>2.46</td>
</tr>
</tbody>
</table>

**Length of travel S in ft**

**Quickfix: mounting bracket with pin**
Call for availability

**Quicksnap: the complete unit, detachable by hand**
Call for availability

Click Here for Specs & CAD Files
Series E04 “E-Z Chain”

### Installation dimensions

- **Pitch:** \( \frac{66}{(16.7 \text{ mm})} \) per link
- **Links per ft (m):** 18.29 (60)
- **Chain length:** \( \frac{S}{2} + K \)

### Bending Radii for ALL Widths

- **R:**
  - 0.59 (0.15)
  - 0.71 (0.18)
  - 1.10 (0.28)
- **H:**
  - 1.65 (42)
  - 1.89 (48)
  - 2.68 (68)
- **D:**
  - 1.46 (37)
  - 1.57 (40)
  - 1.97 (50)
- **K:**
  - 3.15 (80)
  - 3.54 (90)
  - 4.92 (125)

### Mounting Brackets

**Standard mounting bracket**
- One-piece mounting bracket
- Corrosion resistant
- Available pre-assembled

### Linking and Dimensions

**040...1**
- Moving end

**040...2**
- Fixed end

### Chain Type

- **Part No.**
  - Full Set: 040-07-12
  - 040-07

### Specifications

- **Bending Radii**
  - For example: E04-07-028-0

**Please consult igus® if space is particularly restricted.**
Order Example and Technical Data: Series E04 "E-Z Chain"

Order example

1. Chain selection:

E04-07-038-0
- Color
- Radius
- Width
- Chain type

For 2.62 ft (0.8 m) chain, color black, with mounting brackets:
2.62 ft (0.8 m) E04-07-038-0 and 040-07-12
- 48 links — 18.29 links/ft (60 links/m)

Technical data

<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Weight Per Link (oz.)</th>
<th>Weight Per Link (g)</th>
<th>Weight (lbs/ft)</th>
<th>Weight (kg/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E04-07</td>
<td>0.049</td>
<td>(≈ 1.40)</td>
<td>0.033</td>
<td>(≈ 0.05)</td>
</tr>
</tbody>
</table>

Material (chain) igumid NB
Material (mounting brackets)* igumid G
Permitted temperature -22°F/212°F (-30°C/+100°C)
Glidng speed max. Conditionally suitable
Unsupported v max. 32.8 ft/s (10m/s)
Flammability class (chain) VDE 0304 IIC UL94 V2
Flammability class (mounting brackets)* VDE 0304 IIC UL94 HB

*Available in igumid NB upon request, please consult igus® for delivery time

Details of material properties

Design, Chapter 1
Series E045/Z045 “E-Z Chain”

Product Range:
- Inner Widths (B) inches (mm): .63 (16)
- Bending Radii (R) inches (mm): .71 (18), 1.10 (28), 1.50 (38)
- Pitch: .51 in (13 mm)/link = 23.47 links/ft (77 links/m)

When to use the Series E045/Z045:
- If fast and easy installation of cables and hoses is required
- If a very small pitch is required

When not to use the Series E045/Z045:
- If very quiet operation is required
  - Series 045 “micro”, Chapter 4
- If high stability is required
  - Series 06 “micro”, Chapter 4
Series E045/Z045 “E-Z Chain”

**Part No. | Bi | Ba**
--- | --- | ---
E045-16 | .63 (16) | .91 (23)

**Bending Radii for ALL Widths**
- .71 (018)
- 1.10 (028)
- 1.50 (038)

Supplement part number with required radius for example, E045-16-028-0

**Part No. | Bi | Ba**
--- | --- | ---
Z045-16 | .63 (16) | .91 (23)

**Bending Radii for ALL Widths**
- .71 (018)
- 1.10 (028)
- 1.50 (038)

Supplement part number with required radius for example, Z045-16-028-0

**Installation Dimensions**

**R**
- .71 (018)
- 1.10 (028)
- 1.50 (038)

**H**
- 1.97 (50)
- 2.76 (70)
- 3.54 (90)

**D**
- 1.57 (40)
- 1.97 (50)
- 2.36 (60)

**K**
- 3.74 (95)
- 4.72 (120)
- 5.71 (145)

*The required clearance height is \( HF = H + .39 \) (10) with .07 lbs/ft (0.1 kg/m) fill weight. Please consult igus® if space is particularly restricted.

**Pitch:**
\[ \text{Pitch: } = \frac{.51}{13 \text{ mm}} \text{ per link} \]

**Links per ft (m):**
\[ \text{Links per ft (m): } = 23.47 (77) \]

**Chain length:**
\[ \text{Chain length: } = \frac{R}{2} + K \]

**Mounting Brackets**

**Standard mounting bracket**
- One-piece locked, mounting bracket
- Corrosion resistant
- Available pre-assembled

**Chain Type | Part No. | Dimension B**
--- | --- | ---
E/Z045-16 | 0450-16-12 | .87 (22)

045...12 = Full set, each part with pin/bore
045... 1 = Mounting bracket with bore
045... 2 = Mounting bracket with pin

PDF: www.igus.com/echainpdf.asp
Specs/CAD/RFQ: www.igus.com/echain.asp
RoHS info: www.igus.com/RoHS.asp
Order Example and Technical Data:
Series E045/Z045 “E-Z Chain”

Order example

1. Chain selection:
   - E045-16-038-0
     - Color
     - Radius
     - Width
     - Chain type

2. Mounting brackets:
   - 0450-16-12
     - Full set
     - Chain width

For 2.62 ft (0.8 m) chain, color black, with mounting brackets:
2.62 ft (0.8 m) E045-16-038-0 and 0450-20-12

48 links — 18.29 links/ft (60 links/m)

Technical data

<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Weight Per Link (oz.)</th>
<th>Weight Per Link (g)</th>
<th>Weight Per Link (lbs/ft)</th>
<th>Weight Per Link (kg/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E045-16</td>
<td>0.049</td>
<td>~1.40</td>
<td>0.073</td>
<td>~0.11</td>
</tr>
</tbody>
</table>

Material (chain)     igumid NB
Material (mounting brackets)* igumid G
Permitted temperature -22°F/212°F (-30°C/+100°C)
Gliding speed max. Conditionally suitable
Unsupported v max. 32.8 ft/s (10 m/s)
Flammability class (chain) VDE 0304 IIC UL94 V2
Flammability class (mounting brackets)* VDE 0304 IIC UL94 HB

*Available in igumid NB upon request, please consult igus® for delivery time
Series E06/Z06 “E-Z Chain”

When to use the Series E06/Z06:
- If price is an issue
- If fast and easy cable and hose accessibility is required
- If torsional rigidity and torque resistance are required
- If very quiet operation is required

When not to use the Series E06/Z06:
- If a long unsupported length is required
  - Series 08, Chapter 4
- “Z” Series is unsuitable for gliding applications
  - Series 07, Chapter 3

Product Range:
| Inner Widths (Bi) inches (mm): | .39 (10), .63 (16) |
| Bending Radii (R) inches (mm): | .71 (18), 1.10 (28), 1.50 (38) |
| Pitch: | .79 in (20 mm)/link = 15.24 links/ft (50 links/m) |

Price Index

Quickfix: mounting bracket with dowel
Call for availability

Quicksnap: the complete unit, detachable by hand
Call for availability

Very easy to install cables and hoses – ideal for applications with pre-assembled connectors

Unsupported length
- FLB = unsupported with permitted sag
- FLG = unsupported with straight upper run

Unsupported length in ft FLB / FLG

Length of travel S in m

Click Here for Specs & CAD Files
Series E06/Z06 “E-Z Chain”

E06 (split crossbar along the outer radius)

Z06 (split crossbar along the inner radius)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Bi</th>
<th>Ba</th>
</tr>
</thead>
<tbody>
<tr>
<td>E06-10</td>
<td>.39 (10)</td>
<td>.65 (16.5)</td>
</tr>
<tr>
<td>E06-16</td>
<td>.63 (16)</td>
<td>.86 (22.5)</td>
</tr>
</tbody>
</table>

Bending Radii for ALL Widths

<table>
<thead>
<tr>
<th>Radius</th>
<th>018</th>
<th>028</th>
<th>038</th>
</tr>
</thead>
<tbody>
<tr>
<td>.71</td>
<td>1.10</td>
<td>1.50</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Supplement part number with required radius for example, E06-16-028-0

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Bi</th>
<th>Ba</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z06-10</td>
<td>.39 (10)</td>
<td>.65 (16.5)</td>
</tr>
<tr>
<td>Z06-16</td>
<td>.63 (16)</td>
<td>.86 (22.5)</td>
</tr>
</tbody>
</table>

Bending Radii for ALL Widths

<table>
<thead>
<tr>
<th>Radius</th>
<th>018</th>
<th>028</th>
<th>038</th>
</tr>
</thead>
<tbody>
<tr>
<td>.71</td>
<td>1.10</td>
<td>1.50</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Supplement part number with required radius for example, Z06-16-028-0

Installation Dimensions

<table>
<thead>
<tr>
<th>R</th>
<th>018</th>
<th>028</th>
<th>038</th>
</tr>
</thead>
<tbody>
<tr>
<td>.71</td>
<td>1.10</td>
<td>1.50</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>H*</th>
<th>52</th>
<th>70</th>
<th>90</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.04</td>
<td>2.76</td>
<td>3.54</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D</th>
<th>40</th>
<th>50</th>
<th>60</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.57</td>
<td>1.97</td>
<td>2.36</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>K</th>
<th>95</th>
<th>120</th>
<th>145</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.74</td>
<td>4.72</td>
<td>5.71</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*The required clearance height is \( HF = H + .39 \) (10) with .13 lbs/ft (0.2 kg/m) fill weight.
Please consult igus® if space is particularly restricted.

Pitch: \( = .79 \) (20 mm) per link

Links per ft (m): \( = 15.24 \) (50)

Chain length: \( = \frac{S}{2} + K \)

Mounting Brackets

<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Part No.</th>
<th>Set</th>
<th>Part No.</th>
<th>Mounting Bracket Set</th>
<th>Number of Teeth</th>
<th>Dimensions B</th>
</tr>
</thead>
<tbody>
<tr>
<td>E06/Z06-10</td>
<td>060-10-12</td>
<td>PZ</td>
<td>060-10-12</td>
<td></td>
<td>1</td>
<td>.65 (16.5)</td>
</tr>
<tr>
<td>E06/Z06-16</td>
<td>060-16-12</td>
<td>PZ</td>
<td>060-16-12</td>
<td></td>
<td>2</td>
<td>.88 (22.5)</td>
</tr>
</tbody>
</table>

060...12 = Full set, each part with pin/bore
060... 1 = Mounting bracket with bore
060... 2 = Mounting bracket with pin

Standard mounting bracket

- One-piece, locking mounting bracket
- Corrosion-resistant
- Available pre-assembled
- Inner and outer attachment possible
- Available with integrated strain relief tiewrap plates

Option 1: Without tiewrap plate

Option 2: With tiewrap plate

Click Here for Specs & CAD Files
Order Example and Technical Data:
Series E06/Z06 “E-Z Chain”

Order Example

1. Chain selection:

E06-20-038-0

Color  
Radius  
Width  
Chain type

2. Mounting brackets:

060-20-12 - with strain relief tiewrap plate

For 2.62 ft (0.8 m) chain, color black, with mounting brackets:
2.62 ft (0.8 m) E06-20-038-0 and 060-20-12PZ

40 links — 15.24 links/ft (50 links/m)

Technical data

<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Weight Per Link</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(oz.)</td>
<td>(g)</td>
</tr>
<tr>
<td>E06/Z06-06-10</td>
<td>0.049</td>
<td>(≈2.8)</td>
</tr>
<tr>
<td>E06/Z06-06-16</td>
<td>0.112</td>
<td>(≈3.2)</td>
</tr>
</tbody>
</table>

- Material (chain): igumid NB
- Material (mounting brackets)*: igumid G
- Permitted temperature: -22°F/212°F (-30°C/+100°C)
- Gliding speed max.: Conditionally suitable
- Unsupported v max.: 32.8 ft/s (10m/s)
- Flammability class (chain): VDE 0304 IIC UL94 V2
- Flammability class (mounting brackets)*: VDE 0304 IIC UL94 HB

*Available in igumid NB upon request, please consult igus® for delivery time

Details of material properties
Design, Chapter 1
Series E08/Z08 “E-Z Chain”

**Product range:**

- **Inner Widths (B) inches (mm):** .39 (10), .63 (16), .79 (20), 1.18 (30), 1.57 (40), 1.97 (50)
- **Bending Radii (R) inches (mm):** 1.10 (28), 1.50 (38), 1.89 (48)
- **Pitch:** .79 (20 mm)/link = 15.24 links/ft (50 links/m)

**When to use the Series E08/Z08:**

- If price is an issue
- If fast and easy cable and hose accessibility is required
- If torsional rigidity and torque resistance are required
- If very quiet operation is required

**When not to use the Series E08/Z08:**

- If a long unsupported length is required
  - Series 09, Chapter 3
- "Z" Series unsuitable for gliding applications
  - Series 09, Chapter 3

**Unsupported length**

- **FL_B** = unsupported with permitted sag
- **FL_G** = unsupported with straight upper run

**Fill weight lbs/ft**

- **Unsupported length in ft FL_B / FL_G**
- **Length of travel S in ft**
Series E08/Z08 “E-Z Chain”

E08 (split crossbar along outer radius)

Z08 (split crossbar along inner radius)

Part No. Bi Ba

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Bi</th>
<th>Ba</th>
</tr>
</thead>
<tbody>
<tr>
<td>E08-10-</td>
<td>.39 (10)</td>
<td>.72 (18.2)</td>
</tr>
<tr>
<td>E08-16-</td>
<td>.63 (16)</td>
<td>.95 (24.2)</td>
</tr>
<tr>
<td>E08-20-</td>
<td>.79 (20)</td>
<td>1.11 (28.2)</td>
</tr>
<tr>
<td>E08-30-</td>
<td>1.18 (30)</td>
<td>1.50 (38.2)</td>
</tr>
<tr>
<td>E08-40-</td>
<td>1.57 (40)</td>
<td>1.90 (48.2)</td>
</tr>
<tr>
<td>E08-50-</td>
<td>1.97 (50)</td>
<td>2.29 (58.2)</td>
</tr>
</tbody>
</table>

Bending Radii for ALL Widths

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Bi</th>
<th>Ba</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z08-10-</td>
<td>.39 (10)</td>
<td>.72 (18.2)</td>
</tr>
<tr>
<td>Z08-16-</td>
<td>.63 (16)</td>
<td>.95 (24.2)</td>
</tr>
<tr>
<td>Z08-20-</td>
<td>.79 (20)</td>
<td>1.11 (28.2)</td>
</tr>
<tr>
<td>Z08-30-</td>
<td>1.18 (30)</td>
<td>1.50 (38.2)</td>
</tr>
<tr>
<td>Z08-40-</td>
<td>1.57 (40)</td>
<td>1.90 (48.2)</td>
</tr>
<tr>
<td>Z08-50-</td>
<td>1.97 (50)</td>
<td>2.29 (58.2)</td>
</tr>
</tbody>
</table>

Supplement part number with required radius
for example, E08-20-038-0

Installation Dimensions

R = 1.10 (028) 1.50 (038) 1.89 (048)
H* = 2.99 (76) 3.78 (96) 4.57 (116)
D = 2.36 (60) 2.75 (70) 3.15 (80)
K = 5.12 (130) 6.30 (160) 7.48 (190)

Pitch: = .79 (20 mm) per link
Links per ft (m): = 15.24 (50)
Chain length: = \( \frac{R}{2} + K \)

*The required clearance height is HF = H + .59 (15) with .20 lbs/ft (0.3 kg/m) fill weight. Please consult igus® if space is particularly restricted.

*For the -10 and -16 sizes the crossbars DO NOT overlap. There is a small gap between the crossbars.

Mounting Brackets

Option 1: Without tiewrap plate
Option 2: With tiewrap plate

Standard mounting bracket

- One-piece, locking bracket
- Corrosion-resistant
- Available pre-assembled
- Inner and outer attachment possible
- Bolting faces suitable for inside/outside
- Available with integrated tiewrap plates

<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Part No. Set Full set with Tiewrap Plate</th>
<th>Part No. Mounting Bracket Set</th>
<th>Number of Teeth</th>
<th>Dimension A in. (mm)</th>
<th>Dimensions B in. (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E08/Z08-10</td>
<td>080-10-12 PZ 080-10-12</td>
<td>080-10-12</td>
<td>1</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>E08/Z08-16</td>
<td>080-16-12 PZ 080-16-12</td>
<td>080-16-12</td>
<td>2</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>E08/Z08-20</td>
<td>080-20-12 PZ 080-20-12</td>
<td>080-20-12</td>
<td>2</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>E08/Z08-30</td>
<td>080-30-12 PZ 080-30-12</td>
<td>080-30-12</td>
<td>3</td>
<td>.87 (22)</td>
<td>1.50 (38.2)</td>
</tr>
<tr>
<td>E08/Z08-40</td>
<td>080-40-12 PZ 080-40-12</td>
<td>080-40-12</td>
<td>4</td>
<td>1.26 (32)</td>
<td>1.90 (48.2)</td>
</tr>
<tr>
<td>E08/Z08-50</td>
<td>080-50-12 PZ 080-50-12</td>
<td>080-50-12</td>
<td>5</td>
<td>1.65 (42)</td>
<td>2.29 (58.2)</td>
</tr>
</tbody>
</table>

080...12 = Full set, each part with pin/bore
080... 1 = Mounting bracket with bore
080... 2 = Mounting bracket with pin

Supplement part number with required radius
for example, Z08-20-038-0

Bending Radii for ALL Widths

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Bi</th>
<th>Ba</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z08-10-</td>
<td>.39 (10)</td>
<td>.72 (18.2)</td>
</tr>
<tr>
<td>Z08-16-</td>
<td>.63 (16)</td>
<td>.95 (24.2)</td>
</tr>
<tr>
<td>Z08-20-</td>
<td>.79 (20)</td>
<td>1.11 (28.2)</td>
</tr>
<tr>
<td>Z08-30-</td>
<td>1.18 (30)</td>
<td>1.50 (38.2)</td>
</tr>
<tr>
<td>Z08-40-</td>
<td>1.57 (40)</td>
<td>1.90 (48.2)</td>
</tr>
<tr>
<td>Z08-50-</td>
<td>1.97 (50)</td>
<td>2.29 (58.2)</td>
</tr>
</tbody>
</table>

Supplement part number with required radius
for example, Z08-20-038-0

R = 1.10 (028) 1.50 (038) 1.89 (048)
H* = 2.99 (76) 3.78 (96) 4.57 (116)
D = 2.36 (60) 2.75 (70) 3.15 (80)
K = 5.12 (130) 6.30 (160) 7.48 (190)
Order Example and Technical Data:
Series E08/Z08 “E-Z Chain”

Order example

1. Chain selection:

E08-30-038-0

<table>
<thead>
<tr>
<th>Color</th>
<th>Radius</th>
<th>Width</th>
<th>Chain type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For 16.4 ft (5m) chain, color black, with mounting brackets:
16.4 ft (5m) E08-30-038-0 and 0850-30-12 PZ

2. Mounting brackets:

080-30-12 PZ - With integrated strain relief tiewrap plate

Full set
Chain width

Technical data

<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Weight Per Link</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(oz.)</td>
<td>(g)</td>
</tr>
<tr>
<td>E08/Z08-10</td>
<td>0.09 (≈ 2.7)</td>
<td>0.141 (≈ 0.21)</td>
</tr>
<tr>
<td>E08/Z08-16</td>
<td>0.11 (≈ 3.1)</td>
<td>0.161 (≈ 0.24)</td>
</tr>
<tr>
<td>E08/Z08-20</td>
<td>0.11 (≈ 3.2)</td>
<td>0.168 (≈ 0.25)</td>
</tr>
<tr>
<td>E08/Z08-30</td>
<td>0.13 (≈ 3.6)</td>
<td>0.188 (≈ 0.28)</td>
</tr>
<tr>
<td>E08/Z08-40</td>
<td>0.14 (≈ 4.0)</td>
<td>0.208 (≈ 0.31)</td>
</tr>
<tr>
<td>E08/Z08-50</td>
<td>0.17 (≈ 4.8)</td>
<td>0.249 (≈ 0.37)</td>
</tr>
</tbody>
</table>

Material (chain) igumid NB
Material (mounting brackets)* igumid G
Permitted temperature -22°F/212°F (-30°C/+100°C)
Gliding speed max. Conditionally suitable
Unsupported v max. 32.8 ft/s (10m/s)
Flammability class (chain) VDE 0304 IIC UL94 V2
Flammability class (mounting brackets)* VDE 0304 IIC UL94 HB

*Available in igumid NB upon request, please consult igus® for delivery time

- Details of material properties
- Design, Chapter 1
Price Index

4 Widths and 6 Bending Radii

Very easy to install cables and hoses - ideal for applications with pre-assembled connectors

Product range:

| Inner Widths (B) inches (mm): | .59 (15), .98 (25), 1.50 (38), 1.97 (50) |
| Bending Radii (R) inches (mm): | 1.10 (028), 1.50 (038), 1.89 (048), 2.95 (075), 3.94 (100), 4.92 (125) |
| Pitch: | 1.20 (30.5 mm)/link=10.06 links/ft (33 link/m) |
| | 39.6 in. (1006.5 mm) |

When to use the Series E14/Z14:

- If price is an issue
- If fast and easy cable and hose accessibility is required
- If torsional rigidity and torque resistance are required
- If very quiet operation is required

When not to use the Series E14/Z14:

- If a long unsupported length is required
  - Series B15, Chapter 4
- “Z” Series is unsuitable for gliding applications
  - Series B15, Chapter 4

Unsupported length

- FLB = unsupported with permitted sag
- FLG = unsupported with straight upper run

Unsupported length in ft FLB / FLG

 Unsupported length

<table>
<thead>
<tr>
<th>FLB</th>
<th>FLG</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>.75</td>
<td>.75</td>
</tr>
<tr>
<td>1.64</td>
<td>1.64</td>
</tr>
<tr>
<td>3.28</td>
<td>3.28</td>
</tr>
<tr>
<td>4.92</td>
<td>4.92</td>
</tr>
<tr>
<td>8.20</td>
<td>8.20</td>
</tr>
<tr>
<td>10.84</td>
<td>10.84</td>
</tr>
</tbody>
</table>

Length of travel S in ft

<table>
<thead>
<tr>
<th>S (FLB)</th>
<th>S (FLG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>.82</td>
<td>.82</td>
</tr>
<tr>
<td>1.64</td>
<td>1.64</td>
</tr>
<tr>
<td>2.46</td>
<td>2.46</td>
</tr>
<tr>
<td>3.28</td>
<td>3.28</td>
</tr>
<tr>
<td>4.10</td>
<td>4.10</td>
</tr>
<tr>
<td>4.92</td>
<td>4.92</td>
</tr>
<tr>
<td>5.74</td>
<td>5.74</td>
</tr>
<tr>
<td>6.56</td>
<td>6.56</td>
</tr>
<tr>
<td>7.38</td>
<td>7.38</td>
</tr>
<tr>
<td>8.20</td>
<td>8.20</td>
</tr>
<tr>
<td>9.02</td>
<td>9.02</td>
</tr>
<tr>
<td>9.84</td>
<td>9.84</td>
</tr>
</tbody>
</table>

When not to use the Series E14/Z14:

- If a long unsupported length is required
  - Series B15, Chapter 4
- “Z” Series is unsuitable for gliding applications
  - Series B15, Chapter 4

Call for availability
Series E14/Z14 “E-Z Chain”

E14 (split crossbar along outer radius)

- Part No. | Bi | Ba
- E14-1   | .59 (15) | 1.06 (27)
- E14-2   | .98 (25) | 1.46 (37)
- E14-3   | 1.50 (38) | 1.97 (50)
- E14-4   | 1.97 (50) | 2.44 (62)

Bending Radii for ALL Widths
- 1.10 (028)
- 1.50 (038)
- 1.89 (048)
- 2.95 (075)
- 3.94 (100)
- 4.92 (125)

Supplement part number with required radius for example, E14-2-028-0

Z14 (split crossbar along inner radius)

- Part No. | Bi | Ba
- Z14-1   | .59 (15) | 1.06 (27)
- Z14-2   | .98 (25) | 1.46 (37)
- Z14-3   | 1.50 (38) | 1.97 (50)
- Z14-4   | 1.97 (50) | 2.44 (62)

Bending Radii for ALL Widths
- 1.10 (028)
- 1.50 (038)
- 1.89 (048)
- 2.95 (075)
- 3.94 (100)
- 4.92 (125)

Supplement part number with required radius for example, Z14-2-028-0

Installation Dimensions

- Pitch: 1.20 (30.5 mm) per link
- Links per ft (m): 10.06 (33)
- Chain length: \( \frac{S}{2} + K \)

*The required clearance height is \( H = H + .39 \) (10) with .13 lbs/ft (0.2 kg/m) fill weight. Please consult igus® if space is particularly restricted.

Mounting Brackets

- Option 1: Without tiewrap plate
- Option 2: With tiewrap plate

<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Part No. Set Full Set with Tiewrap Plate</th>
<th>Part No. Mounting Bracket Set</th>
<th>Dimension A in. (mm)</th>
<th>Dimensions B in. (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E14/Z14-1</td>
<td>114-1-12PZ</td>
<td>114-1-12P</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>E14/Z14-2</td>
<td>114-2-12PZ</td>
<td>114-2-12P</td>
<td>.39 (10)</td>
<td>1.42 (36)</td>
</tr>
<tr>
<td>E14/Z14-3</td>
<td>114-3-12PZ</td>
<td>114-3-12P</td>
<td>.91 (23)</td>
<td>1.93 (49)</td>
</tr>
<tr>
<td>E14/Z14-4</td>
<td>114-4-12PZ</td>
<td>114-4-12P</td>
<td>1.38 (35)</td>
<td>2.40 (61)</td>
</tr>
</tbody>
</table>

114...12 = Full set, each part with pin/bore
114... 1 = Mounting bracket with bore
114... 2 = Mounting bracket with pin

Standard mounting bracket
- One-piece, locking bracket
- Corrosion-resistant
- Available pre-assembled
- Inner and outer attachment possible
- Available with integrated strain relief tiewrap plate
Order Example and Technical Data:
Series E14/Z14 “E-Z Chain”

Order example

1. Chain selection:
   - E14-3-038-0
   - Color
   - Radius
   - Width
   - Chain type

For 2.62 ft (0.8 m) chain, color black, with mounting brackets:
2.62 ft (0.8 m) E14-3-038-0 and 114-3-12PZ

27 links — 10.06 links/ft (33 links/m)

Technical data

<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Weight Per Link</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(oz.)</td>
<td>(lbs/ft)</td>
</tr>
<tr>
<td>E14-1/Z14-1</td>
<td>0.032 (~ 0.93)</td>
<td>0.208 (~ 0.31)</td>
</tr>
<tr>
<td>E14-2/Z14-2</td>
<td>0.033 (~ 0.96)</td>
<td>0.215 (~ 0.32)</td>
</tr>
<tr>
<td>E14-3/Z14-3</td>
<td>0.042 (~ 1.20)</td>
<td>0.269 (~ 0.40)</td>
</tr>
<tr>
<td>E14-4/Z14-4</td>
<td>0.047 (~ 1.33)</td>
<td>0.296 (~ 0.44)</td>
</tr>
</tbody>
</table>

Material (chain) igumid NB
Material (mounting brackets)* igumid G
Permitted temperature -22°F/212°F (-30°C/+100°C)
Gliding speed max. Conditionally suitable
Unsupported v max. 32.8 ft/s (10m/s)
Flammability class (chain) VDE 0304 IIC UL94 V2
Flammability class (mounting brackets)* VDE 0304 IIC UL94 HB

*Available in igumid NB upon request, please consult igus® for delivery time

Details of material properties
Design, Chapter 1
Series E200/Z200 “E-Z Chain”

Product range:
- Inner Widths (B) inches (mm): 1x2.24 (1x57), 2x1.46 (2x37), 2x1.97 (2x50)
- Bending Radii (R) inches (mm): 2.17 (55), 2.95 (75), 3.94 (100), 5.91 (150), 7.87 (200)
- Pitch: 1.81 (46 mm)/link = 6.71 links/ft (22 link/m)
- 40 in. (1012 mm)

When to use the Series E200/Z200:
- If price is an issue
- If fast and easy cable and hose accessibility is required
- If torsional rigidity and torque resistance are required
- If very quiet operation is required
- Further information  Design, Chapter 1

When not to use the Series E200/Z200:
- If a long unsupported length is required
  - Series 200/240/250, Chapter 4
- If single-extrusion crossbars are required
  - Series 200/240/250, Chapter 4
- “Z” Series is unsuitable for gliding applications
  - Series B15, Chapter

Unsupported Energy Chain®
- Design, Chapter 1, feature positive camber over short travels. This must be accounted for when specifying the clearance height. Please refer to Installation dimensions for more details.

If the unsupported length is exceeded, the Energy Chain® must glide on itself. This requires a guide trough. Design, Chapter 1.

The “E” Series is conditionally suitable for gliding applications. The “Z” Series is not suitable.

Other Installation Methods:
- Vertical, hanging = max. 32.8 ft (10 m)
- Vertical standing = max. 4.92 ft (1.5 m)
- Side-mounted, unsupported = max. 1.64 ft (0.5 m)
- Rotary = requires further calculation

Click Here for Specs & CAD Files
Series E200/Z200 “E-Z Chain”

**E200** (split crossbar along outer radius)

![Diagram of E200](image)

**Z200** (split crossbar along inner radius)

![Diagram of Z200](image)

**E200** (with 2 chamber system)

![Diagram of E200 with 2 chambers](image)

**Z200** (with 2 chamber system)

![Diagram of Z200 with 2 chambers](image)

Supplement part number with required radius for example, E200-05-100-0

Bending Radii for ALL Widths

- 2.17 (055)
- 2.95 (075)
- 3.94 (100)
- 5.91 (150)
- 7.87 (200)

Bending Radii for ALL Widths

- 2.17 (055)
- 2.95 (075)
- 3.94 (100)
- 5.91 (150)
- 7.87 (200)

Bending Radii for ALL Widths

- 2.17 (055)
- 2.95 (075)
- 3.94 (100)
- 5.91 (150)
- 7.87 (200)

Bending Radii for ALL Widths

- 2.17 (055)
- 2.95 (075)
- 3.94 (100)
- 5.91 (150)
- 7.87 (200)
Series E200/Z200 “E-Z Chain”

Installation Dimensions

Pitch: \(= 1.81 \text{ (46 mm) per link}\)

Links per ft (m): \(= 6.71 \text{ (22)}\)

Chain length: \(= S/2 + K\)

| \(R\) | \(2.16 \text{ (55)}\) | \(2.95 \text{ (75)}\) | \(3.94 \text{ (100)}\) |
| \(H\) | \(5.71 \text{ (145)}\) | \(7.28 \text{ (185)}\) | \(9.25 \text{ (235)}\) |
| \(D\) | \(4.92 \text{ (125)}\) | \(5.91 \text{ (150)}\) | \(6.69 \text{ (170)}\) |
| \(K\) | \(10.87 \text{ (276)}\) | \(13.62 \text{ (346)}\) | \(16.30 \text{ (414)}\) |

| \(R\) | \(5.91 \text{ (150)}\) | \(7.87 \text{ (200)}\) |
| \(H\) | \(13.19 \text{ (335)}\) | \(17.12 \text{ (435)}\) |
| \(D\) | \(8.66 \text{ (220)}\) | \(10.63 \text{ (270)}\) |
| \(K\) | \(22.76 \text{ (578)}\) | \(29.21 \text{ (742)}\) |

*The required clearance height HF = H +1.57 (40 mm) with 1.68 lbs/ft (2.5 kg/m) fill weight. Please consult igus® if space is particularly restricted.

Mounting Brackets

Option 1: polymer pivoting

- Standard
- Pivoting
- Short and long travels
- Space-restricted conditions
- Corrosion-resistant

Chain Type | Part No. | Part No. | Part No. | Dimension A |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Full Set with Tiewrap Plate</td>
<td>with Tiewrap Plate and 10 Cable Tiewraps</td>
<td>Mounting Brackets</td>
<td>in. (mm)</td>
</tr>
<tr>
<td>E200-05</td>
<td>2050-34PZB</td>
<td>2050-34PZBK1</td>
<td>2050-34PZ</td>
<td>1.73 (44)</td>
</tr>
<tr>
<td>E200-2/35</td>
<td>2070-34PZB</td>
<td>2070-34PZBK1</td>
<td>2070-34PZ</td>
<td>2.52 (64)</td>
</tr>
<tr>
<td>E200-2/50</td>
<td>2100-34PZB</td>
<td>2100-34PZBK1</td>
<td>2100-34PZ</td>
<td>3.54 (90)</td>
</tr>
</tbody>
</table>

2...34 PZB = Full set, each part with pin, including tiewrap plate / bore, including tiewrap plate
2...3 PZB  = Mounting bracket with bore, including tiewrap plate
2...4 PZB  = Mounting bracket with pin, including tiewrap plate

* Photograph shows chain link of Series 250 with identical mounting brackets

Click Here for Specs & CAD Files
Series E200/Z200 “E-Z Chain”

Mounting Brackets: Series E200/Z200 “E-Z Chain”

Option 2: polymer locking

- Locked connections
- Vertical hanging / standing travel
- High accelerations
- Corrosion-resistant

Strain Relief for Polymer Mounting Brackets (pivoting or locking)

The strain relief tiewrap plates can be directly snapped onto the mounting bracket. After bolting the mounting brackets to the machine, the strain relief tiewrap plates are also firmly connected to the base. They do not need to be bolted on separately. Cable tiewraps secured around the tiewrap plate “teeth” and the cable provide proper strain relief and save time.

Tiewrap plate as an individual part

Cable tiewraps as individual parts

<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Part Number</th>
<th>Part Number</th>
<th>Part No. Mounting Brackets</th>
<th>Dimension A in. (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z200-05</td>
<td>2050-12PZB</td>
<td>2050-12PZBK1</td>
<td>2050-12PZ</td>
<td>1.73 (44)</td>
</tr>
<tr>
<td>Z200-2/35</td>
<td>2070-12PZB</td>
<td>2070-12PZBK1</td>
<td>2070-12PZ</td>
<td>2.52 (64)</td>
</tr>
<tr>
<td>Z200-2/50</td>
<td>2100-12PZB</td>
<td>2100-12PZBK1</td>
<td>2100-12PZ</td>
<td>3.54 (90)</td>
</tr>
</tbody>
</table>

2...1PZB = Full set, each part with pin, including tiewrap plate / bore, including tiewrap plate
2...1 PZB = Mounting bracket with bore, including tiewrap plate
2...2 PZB = Mounting bracket with pin, including tiewrap plate
Order Example and Technical Data:
Series E200/Z200 “E-Z Chain”

Order example

1. Chain selection:
   E200-05-100-0
   - Color black
   - Radius
   - Width
   - Chain type

2. Mounting brackets
   2050-34-PZ
   - With tiewrap plate
   - Full set, pivoting (2 ea.)
   - Chain width

For 6.56 ft (2m) chain, color black,
with pivoting mounting brackets:
6.56 ft (2m) E200-00-100-0 and 2050-34PZ

44 links — 6.71 links per ft (22 links/m)

Technical data
Please consult igus for weight information

<table>
<thead>
<tr>
<th>Material (chain)</th>
<th>igumid NB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material (mounting brackets)*</td>
<td>igumid G</td>
</tr>
<tr>
<td>Permitted temperature</td>
<td>-22°F/212°F (-30°C/+100°C)</td>
</tr>
<tr>
<td>Gliding speed max.</td>
<td>Conditionally suitable</td>
</tr>
<tr>
<td>Unsupported v max.</td>
<td>32.8 ft/s (10m/s)</td>
</tr>
<tr>
<td>Flammability class (chain)</td>
<td>VDE 0304 IIC UL94 V2</td>
</tr>
<tr>
<td>Flammability class (mounting brackets)*</td>
<td>VDE 0304 IIC UL94 HB</td>
</tr>
</tbody>
</table>

*Available in igumid NB upon request, please consult igus® for delivery time

Details of material properties

Design, Chapter 1
6 Widths and 3 Bending Radii

Quickfix: mounting bracket with dowel
Call for availability

Quicksnap: the complete unit, detachable by hand
Call for availability

When to use the Series E16/Z16:

- If price is an issue
- If fast and easy cable and hose accessibility is required
- If torsional rigidity and torque resistance are required
- If very quiet operation is required

When not to use the Series E16/Z16:

- If a long unsupported length is required
  - Series 26/27/27i, Chapter 4
- If single-extrusion crossbars are required
  - Series 26/27/27i, Chapter 4

Product range:

<table>
<thead>
<tr>
<th>Inner Widths (B) inches (mm)</th>
<th>0.91 (23), 1.42 (36), 1.89 (48), 2.48 (63), 3.15 (80), 3.94 (100)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bending Radii (R) inches (mm)</td>
<td>2.36 (60), 2.95 (75), 3.94 (100)</td>
</tr>
<tr>
<td>Pitch:</td>
<td>1.20 (30.5 mm)/link = 10.06 links/ft (33 links/m) 39.63 (1006.5 mm)</td>
</tr>
</tbody>
</table>

Unsupported length

- FL_B = unsupported with permitted sag
- FL_G = unsupported with straight upper run
Series E16/Z16 “E-Z Chain”

### E16 (split crossbar along outer radius)

![E16 Diagram]

- Bi max.: .79”
- Ba: 1.26 (32)
- Part No. Bi Ba
  - E16-2-.91 (23) 1.48 (37.5)
  - E16-3-1.42 (36) 1.99 (50.5)
  - E16-4-1.89 (48) 2.46 (62.5)
  - E16-5-2.48 (63) 3.08 (78.3)
  - E16-6-3.15 (80) 3.75 (95.3)
  - E16-7-3.94 (100) 4.54 (115.3)

### Z16 (split crossbar along inner radius)

![Z16 Diagram]

- Bi max.: .79”
- Ba: 1.26 (32)
- Part No. Bi Ba
  - Z16-2-.91 (23) 1.48 (37.5)
  - Z16-3-1.42 (36) 1.99 (50.5)
  - Z16-4-1.89 (48) 2.46 (62.5)
  - Z16-5-2.48 (63) 3.08 (78.3)
  - Z16-6-3.15 (80) 3.75 (95.3)
  - Z16-7-3.94 (100) 4.54 (115.3)

### Bending Radii for ALL Widths

- 2.36 (60)
- 2.95 (75)
- 3.94 (100)

### Installation Dimensions

#### Moving end

- R: 1.57 (40)**
- H*: 4.69 (119)
- D: 3.35 (85)
- K: 8.27 (210)

#### Fixed end

- R: 1.57 (40)**
- H*: 6.26 (159)
- D: 10.63 (270)
- K: 15.55 (395)

*The required clearance height is HF = H + .59 (15) with .20 lbs/ft (0.3 kg/m) fill weight. Please consult igus® if space is particularly restricted. **only for part number Z16-3

### Pitch:

- = 1.20 (30.5 mm) per link

### Links per ft (m):

- = 10.06 (33)

### Chain length:

- = \( S + K \)

### Mounting Brackets

#### Option 1:

- Without integrated strain relief

- Chain Type Part No. Part No. Number of Teeth Dimension A in. (mm) Dimensions B in. (mm)
  - E16/Z16-2 117-2-12 PZ 117-2-12 P 3 .47 (12) 1.40 (35.5)
  - E16/Z16-3 117-3-12 PZ 117-3-12 P 4 .98 (25) 1.91 (48.5)
  - E16/Z16-4 117-4-12 PZ 117-4-12 P 5 1.46 (37) 2.38 (60.5)
  - E16/Z16-5 117-5-12 PZ 117-5-12 P 6 1.89 (48) 2.99 (76)
  - E16/Z16-6 117-6-12 PZ 117-6-12 P 8 2.56 (65) 3.66 (93)
  - E16/Z16-7 117-7-12 PZ 117-7-12 P 10 3.35 (85) 4.45 (113)

#### Option 2:

- With integrated strain relief

- Chain Type Part No. Part No. Number of Teeth Dimension A in. (mm) Dimensions B in. (mm)

### Standard mounting brackets

- One-piece, locking mounting bracket
- Corrosion-resistant
- Available pre-assembled
- Inner and outer attachment possible
- Available with integrated strain relief tiewrap plates

### Click Here for Specs & CAD Files

PDF: www.igus.com/echainpdf.asp
Specs/CAD/RFQ: www.igus.com/echain.asp
RoHS info: www.igus.com/RoHS.asp
Order Example and Technical Data:
Series E16/Z16 “E-Z Chain”

Order example

1. Chain selection:

E16-3-038-0

For 16.4 ft (5m) chain, color black, with mounting brackets:
16.4 ft (5m) E16-3-038-0 and 117-3-12PZ

165 links — 10.06 links/ft (33 links/m)

2. Mounting brackets:

117-3-12PZ - With integrated strain relief tiewrap plate

Technical data

<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Weight Per Link (oz.)</th>
<th>(g)</th>
<th>Weight (lbs/ft)</th>
<th>(kg/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E16/Z16-2</td>
<td>0.54</td>
<td>15.5</td>
<td>0.343</td>
<td>0.51</td>
</tr>
<tr>
<td>E16/Z16-3</td>
<td>0.61</td>
<td>17.3</td>
<td>0.383</td>
<td>0.57</td>
</tr>
<tr>
<td>E16/Z16-4</td>
<td>0.66</td>
<td>18.8</td>
<td>0.417</td>
<td>0.62</td>
</tr>
<tr>
<td>E16/Z16-5</td>
<td>0.79</td>
<td>22.7</td>
<td>0.504</td>
<td>0.75</td>
</tr>
<tr>
<td>E16/Z16-6</td>
<td>0.88</td>
<td>25.1</td>
<td>0.558</td>
<td>0.83</td>
</tr>
<tr>
<td>E16/Z16-7</td>
<td>0.97</td>
<td>27.6</td>
<td>0.612</td>
<td>0.91</td>
</tr>
</tbody>
</table>

Material (chain) igumid NB
Material (mounting brackets)* igumid G
Permitted temperature -22°F/212°F (-30°C/+100°C)
Gliding speed max. Conditionally suitable
Unsupported v max. 32.8 ft/s (10m/s)
Flammability class (chain) VDE 0304 IIC UL94 V2
Flammability class (mounting brackets)* VDE 0304 IIC UL94 HB

*Available in igumid NB upon request, please consult igus® for delivery time

Details of material properties
Design, Chapter 1
### Series E26/Z26 “E-Z Chain”

#### Product range:

| Inner Widths (Bi) inches (mm): | 1x2.95 (1x75), 2x1.89 (2x48), 3x1.85 (3x47) |
| Bending Radii (R) inches (mm): | 2.48 (63), 2.95 (75), 3.94 (100), 4.92 (125), 5.91 (150), 6.89 (175), 7.87 (200), 9.84 (250) |
| Pitch: | 2.20 (56 mm)/link = 5.49 links/ft (18 links/m) |
| | 39.7 in. (1008 mm) |

#### When to use the Series E26/Z26:

- If price is an issue
- If fast and easy cable and hose accessibility is required
- If torsional rigidity and torque resistance is required
- If very quiet operation is required

#### When not to use the Series E26/Z26:

- If a long unsupported length is required
  - Series 26/27/27i, Chapter 4
- If single-extrusion crossbars are required
  - Series 26/27/27i, Chapter 4
- “Z” Series is unsuitable for gliding applications
  - Series B15, Chapter 4

#### Unsupported Energy Chains® Design, Chapter 1

Feature positive camber over short travels. This must be accounted for when specifying the clearance height. Please refer to the Installation dimensions section for further details.

If the unsupported length is exceeded, the Energy Chain® must glide on itself. This requires a guide trough. Design, Chapter 1. The “E” Series is conditionally suitable for gliding applications. The “Z” Series is not suitable.

#### Other Installation Methods:

- **Vertical, hanging**
  - = max. 32.8 ft (10m)
- **Vertical, standing**
  - = max. 4.92 ft (1.5m)
- **Side-mounted, unsupported**
  - = max. 1.64 ft (0.5m)
- **Rotary**
  - = requires further calculation

#### Diagram:

- Large pivot pins for long service life
- Cable-friendly, smooth interior
- Dirt-repellent, exterior
- Intergrated strain-relief option
- “Z” Series features split crossbar along inner radius
- “E” Series features split crossbar along the outer radius

#### Unsusrtected length:

- FLB = unsupported with permitted sag
- FLG = unsupported with straight upper run

#### unsupported length in ft FLB / FLG

<table>
<thead>
<tr>
<th>Unsupported length in ft</th>
<th>FLB / FLG</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.28</td>
<td>6.56</td>
</tr>
<tr>
<td>6.56</td>
<td>13.12</td>
</tr>
<tr>
<td>9.84</td>
<td>16.41</td>
</tr>
</tbody>
</table>

#### Length of travel S in ft

<table>
<thead>
<tr>
<th>Length of travel S in ft</th>
<th>FLB / FLG</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1.64</td>
</tr>
<tr>
<td>3.28</td>
<td>6.56</td>
</tr>
<tr>
<td>6.56</td>
<td>13.12</td>
</tr>
<tr>
<td>9.84</td>
<td>16.41</td>
</tr>
<tr>
<td>13.12</td>
<td>2.36</td>
</tr>
</tbody>
</table>

#### Further information

- Design, Chapter 1

---

### Price Index

- 3 Widths
- 8 Bending Radii

### 3 options for mounting brackets

---

### Click here for specs & CAD files
Series E26/Z26 “E-Z Chain”

E26 (split crossbar along outer radius)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Bi1</th>
<th>Bi2</th>
<th>Ba</th>
</tr>
</thead>
<tbody>
<tr>
<td>E26-07</td>
<td>2.95 (75)</td>
<td>3.62 (92)</td>
<td></td>
</tr>
</tbody>
</table>

Supplement part number with required radius for example, E26-07-150-0

Bending Radii for ALL Widths
2.48 (063)
2.95 (075)
3.94 (100)
4.92 (125)
5.91 (150)
6.89 (175)
9.84 (250)

Z26 (split crossbar along inner radius)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Bi1</th>
<th>Bi2</th>
<th>Ba</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z26-07</td>
<td>2.95 (75)</td>
<td>3.62 (92)</td>
<td></td>
</tr>
</tbody>
</table>

Supplement part number with required radius for example, Z26-07-150-0

Bending Radii for ALL Widths
2.48 (063)
2.95 (075)
3.94 (100)
4.92 (125)
5.91 (150)
6.89 (175)
9.84 (250)

E26 (with 2 chamber system)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Bi1</th>
<th>Bi2</th>
<th>Ba</th>
</tr>
</thead>
<tbody>
<tr>
<td>E26-2/45</td>
<td>1.89 (48)</td>
<td>1.89 (48)</td>
<td>4.61 (117)</td>
</tr>
</tbody>
</table>

Inner widths of chambers
Number of chambers

Supplement part number with required radius for example E26-2/45-150-0

Bending Radii for ALL Widths
2.48 (063)
2.95 (075)
3.94 (100)
4.92 (125)
5.91 (150)
7.87 (200)

Z26 (with 2 chamber system)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Bi1</th>
<th>Bi2</th>
<th>Ba</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z26-2/45</td>
<td>1.89 (48)</td>
<td>1.89 (48)</td>
<td>4.61 (117)</td>
</tr>
</tbody>
</table>

Inner widths of chambers
Number of chambers

Supplement part number with required radius for example Z26-2/45-150-0

Bending Radii for ALL Widths
2.48 (063)
2.95 (075)
3.94 (100)
4.92 (125)
5.91 (150)
7.87 (200)

E26 (with 3 chamber system)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Bi1</th>
<th>Bi2</th>
<th>Bi3</th>
<th>Ba</th>
</tr>
</thead>
<tbody>
<tr>
<td>E26-3/45</td>
<td>1.85 (47)</td>
<td>1.89 (48)</td>
<td>1.85 (47)</td>
<td>6.57 (167)</td>
</tr>
</tbody>
</table>

Inner widths of chambers
Number of chambers

Supplement part number with required radius for example, E26-3/45-150-0

Bending Radii for ALL Widths
2.48 (063)
2.95 (075)
3.94 (100)
4.92 (125)
5.91 (150)
6.89 (175)
9.84 (250)

Z26 (with 3 chamber system)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Bi1</th>
<th>Bi2</th>
<th>Bi3</th>
<th>Ba</th>
</tr>
</thead>
<tbody>
<tr>
<td>Z26-3/45</td>
<td>1.85 (47)</td>
<td>1.89 (48)</td>
<td>1.85 (47)</td>
<td>6.57 (167)</td>
</tr>
</tbody>
</table>

Inner widths of chambers
Number of chambers

Supplement part number with required radius for example, Z26-3/45-150-0

Bending Radii for ALL Widths
2.48 (063)
2.95 (075)
3.94 (100)
4.92 (125)
5.91 (150)
6.89 (175)
9.84 (250)
Series E26/Z26 “E-Z Chain”

Installation Dimensions

Pitch: \( \frac{2.20 (56 \text{ mm})}{1.57 (40)} \) per link
Links per ft (m): \( \frac{4.57 (15)}{1.57 (40)} \)
Chain length: \( \frac{S}{2} + K \)

*The required clearance height is \( HF = H + 1.37 (35 \text{ mm}) \) with 1.34 lbs/ft (2 kg/m) fill weight. Please consult igus® if space is particularly restricted.

Mounting Brackets

Option 1: polymer pivoting

- Standard
- Pivoting
- Short and long travels
- Space-restricted conditions
- Corrosion-resistant

Chain Type | Part No. Full Set with Tiewrap Plate | Part No. with Tiewrap Plate and 10 Cable Tiewraps | Part No. Mounting Brackets | Dimension A in. (mm)
---|---|---|---|---
E/Z26-07 | 2607-34PZB | 2607-34PZBK1 | 2607-34PZ | 2.17 (55)
E/Z26-2/45 | 2610-34PZB | 2610-34PZBK1 | 2610-34PZ | 3.15 (80)
E/Z26-3/45 | 2615-34PZB | 2615-34PZBK1 | 2615-34PZ | 5.12 (130)

* Photograph shows chain link of Series 27 with identical mounting brackets

26....3PZB = Full set, each part with pin, including tiewrap plate / bore, including tiewrap plate
26....3 PZB = Mounting bracket with bore, including tiewrap plate
26....4 PZB = Mounting bracket with pin, including tiewrap plate
Mounting Brackets: Series E26/Z26 “E-Z Chain”

Option 2: polymer locking

- Locked connections
- Vertical hanging / standing travel
- High accelerations
- Corrosion-resistant

26....1PZB = Full set, each part with pin, including tiewrap plate / bore, including tiewrap plate
26....2PZB = Mounting bracket with pin, including tiewrap plate
26...1 PZB  = Mounting bracket with bore, including tiewrap plate
26...2 PZB = Mounting bracket with pin, including tiewrap plate

Strain Relief for Polymer Mounting Brackets (pivoting or locking)

The strain relief tiewrap plates can be directly snapped onto the mounting bracket. After bolting the mounting brackets to the machine, the strain relief tiewrap plates are also firmly connected to the base. They do not need to be bolted on separately. Cable tiewraps secured around the tiewrap plate “teeth” and the cable provide proper strain relief and save time.

Tiewrap plate as an individual part

Cable tiewraps as individual parts

<table>
<thead>
<tr>
<th>Cable tiewraps</th>
<th>Width x Length</th>
<th>Maximum Ø</th>
<th>Tensile Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 pieces/bag</td>
<td>in. (mm)</td>
<td>in. (mm)</td>
<td>lbs (N)</td>
</tr>
<tr>
<td>CFB-001</td>
<td>.19 x 5.91 (4.8 x 150)</td>
<td>1.42 (36)</td>
<td>50 (222)</td>
</tr>
</tbody>
</table>
Order Example and Technical Data:
Series E26/Z26 “E-Z Chains”

Order example

1. Chain selection:
E26-07-150-0

Color black
Radius
Width
Chain type

For 6.56 ft (2 m) chain, color black,
with mounting brackets:
6.56 ft (2 m) E26-07-150-0 and 2607-34PZ

- 44 links — 6.71 links/ft (22 links/m)

2. Mounting brackets:
2607-34-PZB

With tiewrap plates
Full set, pivoting (2 ea.)
Chain width

Technical data

Please consult igus® for weight information

<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Weight Per Link</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(oz.)</td>
<td>(lbs/ft)</td>
</tr>
<tr>
<td>E26/Z26-07</td>
<td>1.85 (≈ 52.75)</td>
<td>0.645 (≈ 0.96)</td>
</tr>
<tr>
<td>E26/Z26-2/45</td>
<td>2.22 (≈ 63.30)</td>
<td>0.766 (≈ 1.14)</td>
</tr>
<tr>
<td>E26/Z26-3/45</td>
<td>2.48 (≈ 70.75)</td>
<td>0.874 (≈ 1.30)</td>
</tr>
</tbody>
</table>

Material (chain)  igumid NB
Material (mounting brackets)* igumid G
Permitted temperature -22°F/212°F (-30°C/+100°C)
Gliding speed max. Conditionally suitable
Unsupported v max. 32.8 ft/s (10m/s)
Flammability class (chain) VDE 0304 IIC UL94 V2
Flammability class (mounting brackets)* VDE 0304 IIC UL94 HB

*Available in igumid NB upon request, please consult igus® for delivery time

Details of material properties
Design, Chapter 1
Series E300/Z300 “E-Z Chain”

**Product Range**

| Inner Widths (B) inches (mm): | 2.95 (75), 2x1.89 (2x48), 3x1.81 (3x46), |
| Bending Radii (R) inches (mm): | 2.48 (075)*, 2.95 (100)*, 3.94 (125)*, 5.91 (150), 7.87 (200), 9.84 (250), 11.81 (300) |
| Pitch: | 2.64 (67 mm)/link = 4.57 links/ft (15 links/m), 39.6 in (1005mm) |

**When to use the Series E300/Z300**

- If price is an issue
- If fast and easy cable and hose accessibility is required
- If torsional rigidity and torque resistance are required
- If very quiet operation is required
- Further information Design, Chapter 1

**When not to use the Series E300/Z300**

- If a long unsupported length is required
- If single-extrusion crossbars are required
- “Z” Series is unsuitable for gliding applications

**Unsupported Energy Chains**

- Design, Chapter 1, feature positive camber over short travels. This must be accounted for when specifying the clearance height. Please see Installation dimensions for further details.

If the unsupported length is exceeded the Energy Chain must glide on itself. This requires a guide trough. Design, Chapter 1.

“E” Series is conditionally suitable for gliding applications. “Z” Series is not suitable.

**Unsupported length**

- FLB = unsupported with permitted sag
- FLG = unsupported with straight upper run

**Unsupported length in ft FLB / FLG**

**Length of travel S in ft**

**Other Installation Methods**

| Vertical, hanging | = max. 32.8 ft (10m) |
| Vertical, standing | = max. 4.92 ft (1.5m) |
| Side-mounted, unsupported | = max. 1.64 ft (0.5m) |
| Rotary | requires further calculation |
Series E300/Z300 “E-Z Chain”

E300 (split crossbar along outer radius)

Z300 (split crossbar along inner radius)

E300 (with 2 chamber system)

Z300 (with 2 chamber system)

E300 (with 3 chamber system and optional interior shelving)

Z300 (with 3 chamber system and optional interior shelving)

Bending Radii for ALL Widths

- E300-075: 2.95 (075), 3.94 (100), 4.92 (125), 5.91 (150), 7.87 (200), 9.84 (250), 11.81 (300)
- Z300-075: 2.95 (075), 3.94 (100), 4.92 (125), 5.91 (150), 7.87 (200), 9.84 (250), 11.81 (300)
- E300-2/45: 2.95 (075), 3.94 (100), 4.92 (125), 5.91 (150), 7.87 (200), 9.84 (250), 11.81 (300)
- Z300-2/45: 2.95 (075), 3.94 (100), 4.92 (125), 5.91 (150), 7.87 (200), 9.84 (250), 11.81 (300)
- E300-3/45: 2.95 (075), 3.94 (100), 4.92 (125), 5.91 (150), 7.87 (200), 9.84 (250), 11.81 (300)
- Z300-3/45: 2.95 (075), 3.94 (100), 4.92 (125), 5.91 (150), 7.87 (200), 9.84 (250), 11.81 (300)

Bending Radii for ALL Widths

- E300-075: 2.95 (075), 3.94 (100), 4.92 (125), 5.91 (150), 7.87 (200), 9.84 (250), 11.81 (300)
- Z300-075: 2.95 (075), 3.94 (100), 4.92 (125), 5.91 (150), 7.87 (200), 9.84 (250), 11.81 (300)
- E300-2/45: 2.95 (075), 3.94 (100), 4.92 (125), 5.91 (150), 7.87 (200), 9.84 (250), 11.81 (300)
- Z300-2/45: 2.95 (075), 3.94 (100), 4.92 (125), 5.91 (150), 7.87 (200), 9.84 (250), 11.81 (300)
- E300-3/45: 2.95 (075), 3.94 (100), 4.92 (125), 5.91 (150), 7.87 (200), 9.84 (250), 11.81 (300)
- Z300-3/45: 2.95 (075), 3.94 (100), 4.92 (125), 5.91 (150), 7.87 (200), 9.84 (250), 11.81 (300)

Supplement part number with required radius for example, E300-075-150-0, Z300-075-150-0, E300-2/45-150-0, Z300-2/45-150-0, E300-3/45-150-0, Z300-3/45-150-0.

Inner widths of chambers

Number of chambers

Supplement part number with required radius for example, E300-075-150-0, Z300-075-150-0, E300-2/45-150-0, Z300-2/45-150-0, E300-3/45-150-0, Z300-3/45-150-0.

Inner widths of chambers

Number of chambers

Supplement part number with required radius for example, E300-075-150-0, Z300-075-150-0, E300-2/45-150-0, Z300-2/45-150-0, E300-3/45-150-0, Z300-3/45-150-0.

Inner widths of chambers

Number of chambers

Supplement part number with required radius for example, E300-075-150-0, Z300-075-150-0, E300-2/45-150-0, Z300-2/45-150-0, E300-3/45-150-0, Z300-3/45-150-0.

Inner widths of chambers

Number of chambers

Supplement part number with required radius for example, E300-075-150-0, Z300-075-150-0, E300-2/45-150-0, Z300-2/45-150-0, E300-3/45-150-0, Z300-3/45-150-0.

Inner widths of chambers

Number of chambers

Supplement part number with required radius for example, E300-075-150-0, Z300-075-150-0, E300-2/45-150-0, Z300-2/45-150-0, E300-3/45-150-0, Z300-3/45-150-0.

Shelving

Unassembled Part number 386-54

Assembled Part number 387-54
Series E300/Z300 “E-Z Chain”

Installation Dimensions

\[
\begin{align*}
R & = 2.95 (75) & 3.94 (100) & 4.92 (125) & 5.91 (150) \\
H' & = 8.46 (215) & 10.43 (265) & 12.40 (315) & 14.37 (365) \\
D & = 5.91 (150) & 7.87 (200) & 6.89 (225) & 9.84 (250) \\
K & = 15.75 (400) & 19.68 (500) & 25.59 (650) & 28.54 (725)
\end{align*}
\]

The required clearance height is HF = H + 1.57 (40mm) with 1.68 lbs/ft (2.5 kg/m) fill weight. Please consult igus® if space is particularly restricted.

Mounting Brackets

Option 1: polymer pivoting

- Standard
  - Pivoting
  - Short and long travels
  - Space-restricted conditions
  - Corrosion-resistant

Option 2: polymer non-pivoting

- Standard
  - Fixed end
  - Short and long travels
  - Space-restricted conditions
  - Corrosion-resistant

Chain Type | Part No. Full Set with Tiewrap Plate | Part No. with Tiewrap Plate and 10 Cable Tiewraps | Part No. Mounting Brackets | Dimension A in. (mm)
---|---|---|---|---
E/Z300-075 | 3075-34PZB | 3075-34PZBK1 | 3075-34PZ | 2.09 (53)
E/Z300-2/45 | 3100-34PZB | 3100-34PZBK1 | 3100-34PZ | 3.07 (78)
E/Z300-3/45 | 3150-34PZB | 3150-34PZBK1 | 3150-34PZ | 5.04 (128)

3...34 PZB = Full set, each part with pin, including tiewrap plate / bore, including tiewrap plate
3...3 PZB = Mounting bracket with bore, including tiewrap plate
3...4 PZB = Mounting bracket with pin, including tiewrap plate

*Photograph shows chain link of Series 350 with identical mounting brackets.

Click Here for Specs & CAD Files
Mounting Brackets: Series E300/Z300 “E-Z Chain”

Option 2: polymer locking

- Locked connections
- Vertical hanging / standing travel
- High accelerations
- Corrosion-resistant

3...1PZB = Full set, each part with pin, including tiewrap plate / bore, including tiewrap plate
3...1 PZB = Mounting bracket with bore, including tiewrap plate
3...2 PZB = Mounting bracket with pin, including tiewrap plate

Strain Relief for Polymer Mounting Brackets (pivoting or locking)

The strain relief tiewrap plates can be directly snapped onto the mounting bracket. After bolting the mounting brackets to the machine, the strain relief tiewrap plates are also firmly connected to the base. They do not need to be bolted on separately. Cable tiewraps secured around the tiewrap plate “teeth” and the cable provide proper strain relief and save time.

Tiewrap plate as an individual part

Cable tiewraps as individual parts
Order Example and Technical Data:
Series E300/Z300 “E-Z Chain”

Order example

1. Chain selection:
E300-075-100-0
- Color black
- Radius
- Width
- Chain type

For 6.56 ft (2 m) chain, color black, with mounting brackets, pivoting
6.56 ft (2 m) E300-075-100-0 and 3075-34PZ
30 links — 4.57 links/ft (15 links/m)

2. Mounting brackets:
3075-34PZB
- With tie-wrap plate
- Full set, pivoting (2 ea.)
- Chain width

E300-075

Technical data

<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Weight Per Link (oz.)</th>
<th>Weight Per Link (g)</th>
<th>Weight Per Meter (lbs/ft)</th>
<th>Weight Per Meter (kg/ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E/Z300-075</td>
<td>3.745</td>
<td>(107.0)</td>
<td>1.08</td>
<td>(1.603)</td>
</tr>
<tr>
<td>E/Z300-2/48</td>
<td>4.165</td>
<td>(119.0)</td>
<td>1.19</td>
<td>(1.778)</td>
</tr>
<tr>
<td>E/Z300-3/47</td>
<td>4.480</td>
<td>(128.0)</td>
<td>1.29</td>
<td>(1.925)</td>
</tr>
</tbody>
</table>

Material (chain) igumid NB
Material (mounting brackets)* igumid G
Permitted temperature -22°F/212°F (-30°C/+100°C)
Glinting speed max. Conditionally suitable
Unsupported v max. 32.8 ft/s (10m/s)
Flammability class (chain) VDE 0304 IIC UL94 V2
Flammability class (mounting brackets)* VDE 0304 IIC UL94 HB

*Available in igumid NB upon request, please consult igus® for delivery time

Details of material properties
Design, Chapter 1