e-chain system® E2 Micro
Series E2-10/E2i-10/E2C-10

Features & Benefits
1. Universal mounting bracket with strain relief option
2. Large, assembly friendly pins for long unsupported lengths
3. Very smooth contours ensure the best possible cable life
4. Non snap-open or snap-open in the inner or outer radius
5. Lightweight, low price
6. Square stop-dog system for large additional loads
7. Brake feature reduces noise

Assembly Tips
- Easy to assemble and disassemble

Usage Guidelines
- When long unsupported lengths and high additional loads are required with a small e-chain®
- For smooth, quiet operation due to small pitch
- If a large modular system in various designs is desired

Order Example: Complete e-chain®
Please indicate chain length or number of links. Example:

3.28 ft (1 m) E2-10-20-038-0

1 Set E2-100-20-34PZ

ESD Classification:
Electrically conductive ESD/ATEX version upon request

IPA Qualification Certificate:
Cleanroom test upon request

Flammability Class
VDE 0304 IIC UL94 HB
e-chain system® E2 Micro
Series E2-10/E2i-10/E2C-10
Installation Dimensions

Short travel, unsupported length
- FL_B = unsupported with permitted sag
- FL_G = unsupported with straight upper run

Further information ➤ Design, Chapter 1

The required clearance height: \( H_r = H + .39 \text{ in. (10 mm)} \) (with .13 lbs/ft (0.2 kg/m) fill weight.

Please consult igus® if space is particularly restricted.

<table>
<thead>
<tr>
<th>R</th>
<th>.71 (018)</th>
<th>1.10 (028)</th>
<th>1.50 (038)</th>
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<tbody>
<tr>
<td>H</td>
<td>2.01 (51)</td>
<td>2.80 (71)</td>
<td>3.58 (91)</td>
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<tr>
<td>D</td>
<td>2.20 (56)</td>
<td>2.60 (66)</td>
<td>2.99 (76)</td>
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<tr>
<td>K</td>
<td>3.94 (100)</td>
<td>5.12 (130)</td>
<td>6.30 (160)</td>
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</table>

Speed / acceleration FL_B: max. 65.6 ft/s (20 m/s) / max. 656 ft/s² (200 m/s²)
Speed / acceleration FL_G: max. 9.84 ft/s (3 m/s) / max. 19.69 ft/s² (6 m/s²)
Gliding speed / acceleration (maximum): max. 9.84 ft/s (3 m/s) / max. 32.8 ft/s² (10 m/s²)
Material - permitted temperature: igumid G / -40°F (-40°C) up to +248°F (+120° C)
Flammability Class, igumid G: VDE 0304 IIC UL94 HB
Series E2-10 - Snap-open along the outer radius from both sides

Series E2i-10 - Snap-open along the inner radius from both sides

Series E2C-10 - One-piece, non snap-open

Part Number Structure

Supplement part number with required radius. Example: E2-10-20-038-0

Pitch: .79 in. (20 mm) per link links/ft (m) = 15.24 (50)

0=Standard color black.
For other colors see Chapter 1

Choose from the radii below for all of the above sizes

Radius (mm) Example: E2-10-20-038-0
e-chain system® E2 Micro
Series E2-10/E2i-10/E2C-10
Interior Separation

Separator
Unassembled Part No. E2-10-2
Assembled Part No. E2-10-2-1

Notch separator
For notch crossbar
Unassembled Part No. E2-10-5
Assembled Part No. E2-10-5-1

- Separator E2-10-2
  Standard - for all applications
  For a simple vertical subdivision on e-chains®.
  Separators can be arranged anywhere in the Energy cross section.

- Notch separator E2-10-5
  Locks safely in .10" (2.5 mm) increments
  For exact positioning in e-chains®. Recommended for side-mounted applications.
e-chain system® E2 Micro  
Series E2-10/E2i-10/E2C-10  
Mounting Brackets

Polymer, one-piece
- One-piece mounting bracket
- Corrosion resistant
- Available preassembled
- Inner and outer attachment possible
- Available with or without strain relief tiewrap plates

Part Number Structure

<table>
<thead>
<tr>
<th>Chain Width</th>
<th>Part No. full set with tiewrap plate two side pivoting</th>
<th>Part No. full set with tiewrap plate one side* pivoting</th>
<th>Part No. full set with tiewrap plate locking</th>
<th>Dimension A (in.)</th>
<th>Dimension B (mm)</th>
<th>Number of Teeth</th>
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<tbody>
<tr>
<td>-06</td>
<td>E2-100-06-34PZ</td>
<td>E2-100-06-56PZ</td>
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*One-side pivoting: Pivot angle = Bending radius.  
One side pivoting only to the inner radius - whether mounted to A1 or A4

Additional Accessories

Quick flange- the quick flange can be clipped-in laterally in all mounting brackets. 
Housing for hexagonal nut or M3 socket head screws M3.

Single:
Part no. E2-150-QF  
Includes mounting bracket:  
Part No. E2-100-20-34PZQF