New Series B15/B15i E2 “mini”

Product Range:

<table>
<thead>
<tr>
<th>Inner Widths (Bi) inches (mm):</th>
<th>.59 (15), .98 (25), 1.50 (38), 1.97 (50), 2.48 (63), 3.15 (80), 3.94 (100)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bending Radii (R) inches (mm):</td>
<td>1.50 (38), 1.89 (48), 2.95 (75), 3.94 (100), 4.33 (110), 4.92 (125), 5.71 (145), 7.09 (180)</td>
</tr>
<tr>
<td>Pitch:</td>
<td>1.20 (30.5 mm)/link = 10.06 links/ft (33 links/m), 39.3 (1000.5 mm)</td>
</tr>
</tbody>
</table>

When to use the New Series B15/B15i“E2 mini”:
- If snap-open accessibility is required
- If connection options are required (Quicksnap, Quickfix, etc.)
- If a small but very stable chain is required

When not to use the New Series B15/B15i“E2 mini”:
- If snap-open accessibility is not required
  -> New Series 10, Chapter 4
- If torsion occurs
  -> Series E14 “E-Z Chain”, Chapter 2

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

Unsupported length in ft FLB / FLG

Price Index:

Call for availability

Quickfix: mounting bracket with or without strain relief tiewrap plates

Interior separation possible

Mounting bracket with pin Call for availability

New version with larger pins and double stop dog for long service life and long unsupported length

Click Here for Specs & CAD Files
New Series B15/B15i  E2 “mini”

New Series B15
(snap-open along outer radius)

New Series B15i
(snap-open along inner radius)

Installation Dimensions

Option 1: vertical separators
Vertical separators are used if only a vertical subdivision is required. A slotted separator is used for this subdivision. This separator can also be used with full-width shelves for a continuous horizontal subdivision.

Option 2: full-width shelf
Interior separation with continuous horizontal subdivision is practical if using a large number of thin cables with similar or identical diameters.

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

R 1.50 (38) 1.89 (48) 2.95 (75) 3.94 (100)
H 3.94 (100) 4.72 (120) 6.89 (175) 8.86 (225)
D 3.15 (80) 3.54 (90) 4.72 (120) 5.71 (145)
K 7.28 (185) 8.46 (215) 11.81 (300) 14.76 (375)

R 4.33 (110) 4.92 (125) 5.71 (145) 7.09 (180)
H 9.65 (245) 10.83 (275) 12.40 (315) 15.16 (385)
D 6.10 (155) 6.69 (170) 7.48 (190) 8.86 (225)
K 16.14 (410) 17.91 (455) 20.47 (520) 24.80 (630)

*The required clearance height is \( HF = H + .79 \) (20) with 1.01 lbs/ft (1.5 kg/m) fill weight. Please consult igus® if space is particularly restricted.
**New Series B15/B15i E2 “mini”**

### Mounting Brackets

**Option 1: Pivoting**
- Pivoting
- Short and long travel
- Space-restricted conditions
- Corrosion-resistant

<table>
<thead>
<tr>
<th>Chain Type</th>
<th>Part No. 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>B15/B15i-015</td>
<td>1015-34PZ</td>
<td>1015-34P</td>
<td>— —</td>
<td>1.00 (25.5)</td>
</tr>
<tr>
<td>B15/B15i-025</td>
<td>1025-34PZ</td>
<td>1025-34P</td>
<td>.55 (14)</td>
<td>1.40 (35.5)</td>
</tr>
<tr>
<td>B15/B15i-038</td>
<td>1038-34PZ</td>
<td>1038-34P</td>
<td>.91 (23)</td>
<td>1.91 (48.5)</td>
</tr>
<tr>
<td>B15/B15i-050</td>
<td>1050-34PZ</td>
<td>1050-34P</td>
<td>1.54 (39)</td>
<td>2.38 (60.5)</td>
</tr>
<tr>
<td>B15/B15i-5</td>
<td>105-34PZ</td>
<td>105-34P</td>
<td>1.89 (48)</td>
<td>2.95 (75.0)</td>
</tr>
<tr>
<td>B15/B15i-6</td>
<td>106-34PZ</td>
<td>106-34P</td>
<td>2.56 (65)</td>
<td>3.62 (92.0)</td>
</tr>
<tr>
<td>B15/B15i-7</td>
<td>107-34PZ</td>
<td>107-34P</td>
<td>3.35 (85)</td>
<td>4.41 (112.0)</td>
</tr>
</tbody>
</table>

10…3 = Full set, each part with pin/bore
10…1 = Mounting bracket with bore
10…2 = Mounting bracket with pin

### Option 2: Locking
- Locked connections
- Short and long travels
- Extreme accelerations
- Corrosion-resistant

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<th>Part No. 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>B15/B15i-015</td>
<td>1015-12PZ</td>
<td>1015-12P</td>
<td>— —</td>
<td>1.00 (25.5)</td>
</tr>
<tr>
<td>B15/B15i-025</td>
<td>1025-12PZ</td>
<td>1025-12P</td>
<td>.55 (14)</td>
<td>1.40 (35.5)</td>
</tr>
<tr>
<td>B15/B15i-038</td>
<td>1038-12PZ</td>
<td>1038-12P</td>
<td>.91 (23)</td>
<td>1.91 (48.5)</td>
</tr>
<tr>
<td>B15/B15i-050</td>
<td>1050-12PZ</td>
<td>1050-12P</td>
<td>1.54 (39)</td>
<td>2.38 (60.5)</td>
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<td>B15/B15i-5</td>
<td>105-12PZ</td>
<td>105-12P</td>
<td>1.89 (48)</td>
<td>2.95 (75.0)</td>
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<td>B15/B15i-6</td>
<td>106-12PZ</td>
<td>106-12P</td>
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<td>B15/B15i-7</td>
<td>107-12PZ</td>
<td>107-12P</td>
<td>3.35 (85)</td>
<td>4.41 (112.0)</td>
</tr>
</tbody>
</table>

10…1 = Full set, each part with pin/bore
10…2 = Mounting bracket with pin
Order Example and Technical Data:
New Series B15/B15i E2 “mini”

Order example

1. Chain selection:
   B15-025-038-0

2. Mounting brackets:
   1025-12PZ

3. Interior separation:
   2 separators, unassembled, (Part No. 150), or
   assembled every other link (Part No. 151).
   Alternative interior separation configuration
   according to design layout possible.

For 16.4 ft (5 m) chain, color black, with mounting brackets and two separators:
16.4 ft (5 m) B15-025-038-0 and 1025-12PZ and two separators 154
   assembled every other link
   — 165 links — 10.06 links/ft (33 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>B15/B15i-015</td>
<td>0.35</td>
<td>0.24</td>
<td>0.24</td>
<td>0.035</td>
</tr>
<tr>
<td>B15/B15i-025</td>
<td>0.42</td>
<td>0.27</td>
<td>0.27</td>
<td>0.040</td>
</tr>
<tr>
<td>B15/B15i-038</td>
<td>0.49</td>
<td>0.31</td>
<td>0.31</td>
<td>0.046</td>
</tr>
<tr>
<td>B15/B15i-050</td>
<td>0.56</td>
<td>0.35</td>
<td>0.35</td>
<td>0.052</td>
</tr>
<tr>
<td>B15/B15i-5</td>
<td>0.67</td>
<td>0.42</td>
<td>0.42</td>
<td>0.063</td>
</tr>
<tr>
<td>B15/B15i-6</td>
<td>0.74</td>
<td>0.47</td>
<td>0.47</td>
<td>0.070</td>
</tr>
<tr>
<td>B15/B15i-7</td>
<td>1.02</td>
<td>0.51</td>
<td>0.51</td>
<td>0.076</td>
</tr>
</tbody>
</table>

Material: igumid G
Permitted temperature: -40°/+266°F (-40°/+130°C)
Gidling speed max.: 16.4 ft/s (5 m/s)
Unsupported V max.: 32.8 ft/s (10 m/s)
Flammability class: VDE 0304 IIC UL94 HB

- Details of material properties
- Design, Chapter 1