A complete system of top quality, time saving products, designed for surface metal raceways, lighting and cable supports. Innovative designs offer many installation advantages. The surface raceways are U.L. listed and meet the requirements of the National Electrical Code, Article 384.

**Surface Raceways**
Our channel provides structural support in addition to a raceway system.
For U.L. wire fill see chart on page 278-279.

**Cable Supports**
A full range of clamps and saddles are offered in porcelain and thermoplastic elastomer. Our Insulclamp™ cable clamps and porcelain saddles are furnished complete with steel clamps (electro-plated) and Everdur hardware where required.

**Materials & Finishes***
Steel products are made from low carbon steel strips or plates. Porcelain saddles and clamps are made by dry process and white glazed (porcelain dielectric strength is 50 volts per mil).

*Unless otherwise noted.

**Design Load**
Design load data published includes a Safety Factor of 3.0 (Safety Factor = Ratio of ultimate load to the design load).

U.L. listed raceway channels:

- B11, B11KO6
- B12, B12KO6
- B22, B22KO6
- B24, B24KO6
- B26, B26KO6
- B32, B32KO6
- B42, B42KO6
- B52, B52KO6
- B54, B54KO6
- B56, B56KO6

U.L. File No. E29637
In all cases, the snap-in closure strip is required to complete raceway enclosure.

**Metric**
Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.

<table>
<thead>
<tr>
<th>Finish Code</th>
<th>Finish</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLN</td>
<td>Plain</td>
<td>ASTM A1011 33,000 PSI min. yield</td>
</tr>
<tr>
<td>ZN</td>
<td>Electro-Plated Zinc</td>
<td>ASTM B633 SC3 Type III</td>
</tr>
<tr>
<td>GRN</td>
<td>DURA GREEN™</td>
<td></td>
</tr>
<tr>
<td>GALV</td>
<td>Pre-Galvanized</td>
<td>ASTM A653</td>
</tr>
<tr>
<td>YZN</td>
<td>Yellow Zinc Chromate</td>
<td>ASTM B633 SC3 Type II</td>
</tr>
</tbody>
</table>
### Selection Chart

<table>
<thead>
<tr>
<th>Channel Number</th>
<th>Depth in.</th>
<th>Channel Fixture</th>
<th>Channel Hanger</th>
<th>Fixture Hanger</th>
<th>End Cap</th>
<th>Connection</th>
<th>Internal Straight Splice</th>
<th>Internal Tee Splice</th>
</tr>
</thead>
<tbody>
<tr>
<td>B22A</td>
<td>3 1/4&quot; (82.5)</td>
<td>B616-22A*</td>
<td>B241S*</td>
<td>B616S-22A*</td>
<td>B205 or B285</td>
<td>B392-22**</td>
<td>B766-22 (2)</td>
<td>B285</td>
</tr>
<tr>
<td>B11</td>
<td>3 1/4&quot; (82.5)</td>
<td>B616-22A*</td>
<td>B241S*</td>
<td>B616S-22A*</td>
<td>B222</td>
<td>B392-11**</td>
<td>B766-11</td>
<td>B768-11</td>
</tr>
<tr>
<td>B12</td>
<td>2 7/16&quot; (61.9)</td>
<td>B616-22A*</td>
<td>B241S*</td>
<td>B616S-22A*</td>
<td>B221</td>
<td>B392-12**</td>
<td>B766-12</td>
<td>B768-12</td>
</tr>
<tr>
<td>B22</td>
<td>1 5/8&quot; (41.3)</td>
<td>B616*</td>
<td>B216S*</td>
<td>B616TG*</td>
<td>B205 or B285</td>
<td>B205 or B285</td>
<td>B205 or B285</td>
<td>B222 or B285 or B286</td>
</tr>
<tr>
<td>B24</td>
<td>1 3/8&quot; (34.9)</td>
<td>B616*</td>
<td>B216S*</td>
<td>B616TG*</td>
<td>B206</td>
<td>B392-32**</td>
<td>B766-32</td>
<td>B768-32</td>
</tr>
<tr>
<td>B32</td>
<td>1 1/8&quot; (25.4)</td>
<td>B616*</td>
<td>B215S*</td>
<td>B615S* or B616TG*</td>
<td>B203</td>
<td>--</td>
<td>B766-42</td>
<td>B768-42</td>
</tr>
<tr>
<td>B42</td>
<td>1 1/16&quot; (20.6)</td>
<td>B616*</td>
<td>B215S*</td>
<td>B615S* or B616TG*</td>
<td>B220 or B283</td>
<td>B220 or B283</td>
<td>B220 or B283</td>
<td>B766-52 or B768-52</td>
</tr>
</tbody>
</table>

*Specify Hanger Rod or Conduit Size.
**Specify Conduit Size

---

**Electrical Accessories**


B-Line series strut systems

---

**Electrical Accessories**
**Fluorescent Fixture Hangers**

**B616-9/16 Channel Hanger**
- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN)
  when used as a fixture support
- Includes:
  - 2 pcs. 3/8” Flat washers for use with 3/8” ATR
- Material: 16 gauge (1.5)
- Standard finish: ZN
- Wt./C 25 Lbs. (11.3 kg)

**B616S-9/16 Fluorescent Fixture Hanger with Stud**
- Design Load 150 Lbs. (.67 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN)
  when used as a fixture support
- Allows more than ½” (12.7) space
  between channel and fixture
- Includes:
  - 2 pcs. 3/8” Flat washers
    for use with 3/8” ATR
- Material: 16 gauge (1.5)
- Standard finish: ZN
- Wt./C 30 Lbs. (13.6 kg)

**B616-7/8 Channel Hanger**
- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN)
  when used as a fixture support
- Material: 16 gauge (1.5)
- Standard finish: ZN
- Wt./C 25 Lbs. (11.3 kg)

**B616S-7/8 Fluorescent Fixture Hanger with Stud**
- Design Load 150 Lbs. (.67 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN)
  when used as a fixture support
- Allows more than ½” (12.7) space
  between channel and fixture
- Standard finish: ZN
- Material: 16 gauge (1.5)
- Wt./C 30 Lbs. (13.6 kg)

**B616-22A-9/16 Channel Hanger**
- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN)
  when used as a fixture support
- Includes:
  - 2 pcs. 3/8” Flat washers for use with 3/8” ATR
- Material: 14 gauge (1.9)
- Standard finish: ZN
- Wt./C 44 Lbs. (19.9 kg)

**B616-22A-7/8 Channel Hanger**
- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (.22 kN)
  when used as a fixture support
- Material: 14 gauge (1.9)
- Standard finish: ZN
- Wt./C 44 Lbs. (19.9 kg)

B616S-22A-9/16
Fluorescent Fixture Hanger with Stud
- Design Load 150 Lbs. (0.67 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (0.22 kN) when used as a fixture support
- Includes:
  2 pcs. 3/8” Flat washers for use with 3/8” ATR
- Allows more than 1/2” (12.7) space between channel and fixture
- Material: 14 gauge (1.9)
- Standard finish: ZN
- Wt./C 49 Lbs. (22.2 kg)

B616TG-9/16
Fluorescent Fixture Hanger for 1/2” (15) Knockout
- Design Load 150 Lbs. (0.67 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (0.22 kN) when used as a fixture support
- Includes:
  2 pcs. 3/8” Flat washers for use with 3/8” ATR
- Design Load 150 Lbs. (0.67 kN)
- Allows more than 1/2” (12.7) space between channel and fixture
- Material: 16 gauge (1.5)
- Standard finish: ZN
- Wt./C 32 Lbs. (14.5 kg)

B215S
Channel Hanger
- Can be used with 3/8” & 1/2” threaded rod or 3/8” & 1/2” conduit
- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3
- For use with B42, B52, & B54 channels
- Hardware included:
  One (1) 3/8” x 1 1/2” FFW for use with 3/8”-16 ATR
  One (1) 1/2” FW for use with 1/2”-13 ATR
  One (1) 5/8” FW for use with 3/8” conduit
- Material: 16 gauge (1.5)
- Standard finish: ZN
- Wt./C 31 Lbs. (14.0 kg)

B216S
Channel Hanger
- Can be used with 3/8” & 1/2” threaded rod or 3/8” & 1/2” conduit
- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3
- For use with B22, B24, & B32 channels
- Hardware included:
  One (1) 3/8” x 1 1/2” FFW for use with 3/8”-16 ATR
  One (1) 1/2” FW for use with 1/2”-13 ATR
  One (1) 5/8” FW for use with 3/8” conduit
- Material: 16 gauge (1.5)
- Standard finish: ZN
- Wt./C 38 Lbs. (17.2 kg)
**B390 BX**  
360° Swivel Box Connector  
- Design Load 250 Lbs. (1.11 kN) for connector fitting only  
- Safety Factor of 3  
- Design Load 50 Lbs. (0.22 kN) when used as illustrated or for use as a fixture support  
- Swings 15° in 360° plane  
- Includes:  
  1 pc. 3/4” (20) to 1/2” (15) Conduit reducer  
- Standard finish: ZN  
- Wt./C 95 Lbs. (43.1 kg)

**B390S**  
360° Swivel Channel Connector  
- Design Load 250 Lbs. (1.11 kN)  
- Safety Factor of 3  
- Maximum design load 50 Lbs. (0.22 kN) when used as a fixture support  
- Swings 15° in 360° plane  
- Includes:  
  2 pcs. SN224-3/4”WO Stud nut  
  2 pcs. 1/4”-20 Square nut  
  1 pc. 3/4” (20) to 1/2” (15) Conduit Reducer  
- Standard finish: ZN  
- Wt./C 71 Lbs. (32.2 kg)

**B465**  
H.I.D. Fixture Hanger  
- Design Load 250 Lbs. (1.11 kN)  
- Safety Factor of 3  
- Swings 15° in 360° plane  
- Includes:  
  1 pc. 3/4” (20) to 1/2” (15) Conduit reducer  
- Standard finish: ZN  
- Wt./C 95 Lbs. (43.1 kg)

**B460**  
Fluorescent Fixture Hanger  
- Hanger is shipped flat and requires field bending as shown  
- Allows more than 1/2” (12.7) space between channel and fixture  
- Material: 18 gauge (1.2)  
- Standard finish: ZN

<table>
<thead>
<tr>
<th>Part No.</th>
<th>For Channel Size</th>
<th>A</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>In.</td>
<td>mm</td>
<td>Lbs.</td>
</tr>
<tr>
<td>B460-22</td>
<td>B22, B24, B32</td>
<td>21/8”</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>(57.5)</td>
<td>(77)</td>
<td></td>
</tr>
<tr>
<td>B460-12</td>
<td>B12</td>
<td>215/16”</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>(79.5)</td>
<td>(9.1)</td>
<td></td>
</tr>
<tr>
<td>B460-11</td>
<td>B11</td>
<td>33/4”</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>(101.6)</td>
<td>(10.4)</td>
<td></td>
</tr>
</tbody>
</table>

**B464S**  
Fluorescent Fixture Stud Nut  
- Bolt size: 1/4” x 13/4”  
- Standard finish: ZN  
- Wt./C 4 Lbs. (1.8 kg)  
- Design Load 250 Lbs. (1.11 kN)  
- Safety Factor of 3

**B464**  
Fluorescent Fixture Hanger  
- Hanger is shipped flat and requires field bending as shown  
- Allows more than 1/8” (3.2) space between channel and fixture  
- Material: 18 gauge (1.2)  
- Standard finish: ZN

<table>
<thead>
<tr>
<th>Part No.</th>
<th>For Channel Size</th>
<th>A</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>In.</td>
<td>mm</td>
<td>Lbs.</td>
</tr>
<tr>
<td>B464-32</td>
<td>B32</td>
<td>11/2”</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>(40.6)</td>
<td>(7.7)</td>
<td></td>
</tr>
<tr>
<td>B464-22</td>
<td>B22, B24</td>
<td>13/4”</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>(47.4)</td>
<td>(8.1)</td>
<td></td>
</tr>
<tr>
<td>B464-12</td>
<td>B12</td>
<td>29/16”</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>(66.0)</td>
<td>(9.5)</td>
<td></td>
</tr>
<tr>
<td>B464-11</td>
<td>B11</td>
<td>33/8”</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>(91.4)</td>
<td>(10.9)</td>
<td></td>
</tr>
</tbody>
</table>
B217-20
Snap Closure Strip for All 15/8" (41.3) Wide Channels
- Refer to Raceway Fill Chart pages 278-279
- Material: 20 gauge (.9)
- Standard finishes: GALV
- Standard length: 120" (3.05m)
- Wt./CFT 36 Lbs. (16.3 kg)

B217P
Plastic Snap Closure Strip for All 15/8" (41.3) Wide Channels
- Refer to Raceway Fill Chart pages 278-279
- Standard finishes: Green (GRN) or Gray (GRY) Plastic
- Standard length: 120" (3.05m)
- Wt./CFT 9.2 Lbs. (4.2 kg)

B217-24
Snap Closure Strip for All 15/8" (41.3) Wide Channels
- Refer to Raceway Fill Chart pages 278-279
- For use with 7 or fewer conductors no larger than #12 AWG
- Material: 24 gauge (.6)
- Standard finishes: GRN, GALV, YZN
- Standard length: 120" (3.05m)
- Wt./CFT 28 Lbs. (12.7 kg)

B516
Snap-In Outlet Box
- Provided with #10-32 tapped hole for grounding strap
- Duplex cover plate included
- Receptacle not furnished
- Requires ground wire installation for use with UL listed channel raceway system
- Standard finish: GALV
- Wt./C 72 Lbs. (32.6 kg)

B516S
Outlet Box
- Duplex cover plate included
- Receptacle not furnished
- Includes:
  - 2 pcs. 1/4"-20 Flat head machine screws
  - 2 pcs. N224WO Channel nuts
- Standard finish: GALV
- Wt./C 98 Lbs. (44.4 kg)

B203 thru B206
B220 thru B223
X Type End Caps
- Material: 12 gauge (2.6)
- Standard finishes: ZN, GRN, HDG, SS4

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Use With</th>
<th>A</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td>B203</td>
<td>B42</td>
<td>1.015&quot; (25.8)</td>
<td>6 (2.7)</td>
</tr>
<tr>
<td>B204</td>
<td>B54</td>
<td>.827&quot; (21.0)</td>
<td>5 (2.2)</td>
</tr>
<tr>
<td>B205</td>
<td>B22</td>
<td>1.640&quot; (41.6)</td>
<td>10 (4.5)</td>
</tr>
<tr>
<td>B206</td>
<td>B32</td>
<td>1.390&quot; (35.3)</td>
<td>8 (3.6)</td>
</tr>
<tr>
<td>B220</td>
<td>B52</td>
<td>.827&quot; (21.0)</td>
<td>4 (1.8)</td>
</tr>
<tr>
<td>B221</td>
<td>B12</td>
<td>2.452&quot; (62.3)</td>
<td>15 (6.8)</td>
</tr>
<tr>
<td>B222</td>
<td>B11</td>
<td>3.265&quot; (82.9)</td>
<td>20 (9.1)</td>
</tr>
<tr>
<td>B223</td>
<td>B24</td>
<td>1.640&quot; (41.6)</td>
<td>10 (4.5)</td>
</tr>
</tbody>
</table>


B-Line series strut systems

Electrical Accessories
**Electrical Accessories**

**B447 Conduit Connection Plate for 1/2” (15) Conduit**
- Includes:
  - 2 pcs. 1/4”-20 Flat head machine screws
  - 2 pcs. N224WO Channel nuts
- Material: 16 gauge (1.5)
- Standard finish: ZN
- Wt./C 35 Lbs. (15.9 kg)

**B447A Conduit Connection Plate for 3/4” (20) Conduit**
- Includes:
  - 2 pcs. 1/4”-20 Flat head machine screws
  - 2 pcs. N224WO Channel nuts
- Material: 16 gauge (1.5)
- Standard finish: ZN
- 2 Holes 9/32” (7.1) Dia.
- Wt./C 35 Lbs. (15.9 kg)

**B392-32 Series Connection End Cap**
- Includes:
  - 1 pc. 1/4”-20 Square nut
  - 1 pc. B436S Fixture stud nut
- Material: 11 gauge (3.0)
- Standard finish: ZN

**B392-22 Series Connection End Cap**
- Includes:
  - 1 pc. 1/4”-20 Square nut
  - 1 pc. B436S Fixture stud nut
- Material: 11 gauge (3.0)
- Standard finish: ZN

**Electrical Accessories Reference page 206 for general fitting and standard finish specifications. U.L. Wire Fill Chart on pages 272 - 273.**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Conduit Size</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td>B392-32-1/2</td>
<td>7/8” (22.2)</td>
<td>20 (9.1)</td>
</tr>
<tr>
<td>B392-32-3/4</td>
<td>1 1/16” (27.0)</td>
<td>19 (8.6)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Conduit Size</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td>B392-11-1/2</td>
<td>7/8” (22.2)</td>
<td>27 (12.2)</td>
</tr>
<tr>
<td>B392-11-3/4</td>
<td>1 1/16” (27.0)</td>
<td>26 (11.8)</td>
</tr>
<tr>
<td>B392-11-1</td>
<td>1” Pipe Thread</td>
<td>23 (10.4)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Conduit Size</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td>B392-22-1/2</td>
<td>1 1/16” (27.0)</td>
<td>17 (7.7)</td>
</tr>
<tr>
<td>B392-22-3/4</td>
<td>1” Pipe Thread</td>
<td>15/8” (41.3)</td>
</tr>
<tr>
<td>B392-22-1</td>
<td>1” Pipe Thread</td>
<td>1” (25)</td>
</tr>
</tbody>
</table>

**B-Line series strut systems**

Eaton
B718
Universal Junction Bob
• Assemble B719 Hubs into B718 square knockouts
• Designed for use with B22 & B24 channel
• B718 Includes:
  1 pc. Junction box only
  1 pc. Cover only
  2 pcs. #10-20 Round head machine screws
• Standard finish: ZN
• Wt./C 180 Lbs. (81.6 kg)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Includes</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td>B718-1</td>
<td>1 B718 &amp; 1 B719</td>
<td>205 (93.0)</td>
</tr>
<tr>
<td>B718-2</td>
<td>1 B718 &amp; 2 B719</td>
<td>230 (104.3)</td>
</tr>
<tr>
<td>B718-3</td>
<td>1 B718 &amp; 3 B719</td>
<td>255 (115.6)</td>
</tr>
<tr>
<td>B718-4</td>
<td>1 B718 &amp; 4 B719</td>
<td>280 (127.0)</td>
</tr>
</tbody>
</table>

B719AL
Universal Junction Box Hub
• B719AL includes:
  1 pc. B719AL Hub only
  1 pc. B436S Fixture stud nut
  1 pc. 1/8"-20 Square nut
  2 pcs. #10-24 Self tapping screws
  2 pcs. Rubber caps
• Material: Aluminum
• Wt./C 25 Lbs. (11.3 kg)

B518-1 thru B518-4
Universal Junction Box & Hubs
• Channel connection kits as shown in the chart above
• Includes:
  1 pc. Junction box with screws
  1 pc. Box cover
• Standard finish: ZN

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Channel Connection Kits Included</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td>B518-1</td>
<td>1</td>
<td>106 (48.1)</td>
</tr>
<tr>
<td>B518-2</td>
<td>2</td>
<td>137 (62.1)</td>
</tr>
<tr>
<td>B518-3</td>
<td>3</td>
<td>162 (78.5)</td>
</tr>
<tr>
<td>B518-4</td>
<td>4</td>
<td>192 (87.1)</td>
</tr>
</tbody>
</table>

Channel Connection Kit
• For use with B22 & B24 channels.
• Box Dimension: Standard 4” octagon box
• Includes:
  1 pc. B392-22-3/4 End connection (See page 212)
  1 pc. 3/4” (20) Insulated chase nipple
  1 pc. 3/4” (20) Lock nut
• Standard finish: ZN


B-Line series strut systems
Eaton
**B766 Series**

**Straight Strut Joiner**
- Includes: 2 Cam screws
- Material: 12 gauge (2.6)
- Standard finish: ZN

**B768 Series**

**Tee Strut Joiner**
- Includes: 3 Cam screws
- Patented
- Material: 12 gauge (2.6)
- Standard finish: ZN

**B769 Series**

**Cross Strut Joiner**
- Includes: 4 Cam screws
- Patented
- Material: 12 gauge (2.6)
- Standard finish: ZN

**B767 Series**

**90° Elbow Strut Joiner**
- Includes: 2 Cam screws
- Material: 12 gauge (2.6)
- Standard finish: ZN

**Note:** B767-22 (Cast Aluminum Fitting) does not require miter cutting of channel as shown in drawing.

---

**Part No.** | **For Channel Size** | **Wt./C**<br>**Lbs.**<br>**kg**
--- | --- | ---<br>---<br>---
B766-11 | B11 | 94 (42.6)
B766-12 | B12 | 72 (32.6)
B766-22 * | B22 & B24 | 50 (22.7)
B766-32 | B32 | 44 (19.9)
B766-42 | B42 | 34 (15.4)
B766-52 | B52 & B54 | 28 (12.7)

**Part No.** | **For Channel Size** | **Wt./C**<br>**Lbs.**<br>**kg**
--- | --- | ---<br>---<br>---
B767-11 | B11 | 74 (33.5)
B767-12 | B12 | 56 (25.4)
B767-22 * | B22 & B24 | 39 (17.7)
B767-32 | B32 | 34 (15.4)
B767-42 | B42 | 27 (12.2)
B767-52 | B52 & B54 | 23 (10.4)

**Part No.** | **For Channel Size** | **Wt./C**<br>**Lbs.**<br>**kg**
--- | --- | ---<br>---<br>---
B769-11 | B11 | 142 (64.4)
B769-12 | B12 | 112 (50.8)
B769-22 * | B22 & B24 | 79 (35.8)
B769-32 | B32 | 72 (32.6)
B769-42 | B42 | 62 (28.1)
B769-52 | B52 & B54 | 57 (25.8)

**Part No.** | **For Channel Size** | **Wt./C**<br>**Lbs.**<br>**kg**
--- | --- | ---<br>---<br>---
B769-11 | B11 | 148 (67.1)
B769-12 | B12 | 120 (54.4)
B769-22 * | B22 & B24 | 87 (39.4)
B769-32 | B32 | 78 (35.4)
B769-42 | B42 | 65 (29.5)
B769-52 | B52 & B54 | 58 (26.3)

* Cast aluminum parts

**Note:** Strut joiners are not for structural support. A channel support is recommended within 24” (609 mm) of each joint.


Eaton

B-Line series strut systems
B166 Four Hole Splice Clevis
- Includes:
  1 Splice clevis
  4 pcs. 1/4"-20 Flat head machine screws
  4 pcs. N224WO channel nuts
- Material: 16 gauge (1.5)
- Standard finishes: ZN, GRN

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>For Channel Size</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td>B166-11</td>
<td>3 1/4” (82.5)</td>
<td>B11</td>
<td>128 (58.0)</td>
</tr>
<tr>
<td>B166-12</td>
<td>2 7/16” (61.9)</td>
<td>B12</td>
<td>108 (49.0)</td>
</tr>
<tr>
<td>B166-22</td>
<td>1 5/8” (41.3)</td>
<td>B22, B24</td>
<td>91 (40.3)</td>
</tr>
<tr>
<td>B166-32</td>
<td>1 3/8” (34.9)</td>
<td>B32</td>
<td>83 (37.6)</td>
</tr>
<tr>
<td>B166-42</td>
<td>1” (25.4)</td>
<td>B42</td>
<td>75 (34.0)</td>
</tr>
<tr>
<td>B166-52</td>
<td>13/16” (20.6)</td>
<td>B52, B54</td>
<td>71 (32.2)</td>
</tr>
</tbody>
</table>

B166-46 Four Hole Splice Clevis Assembly
- Requires ground wire for use with UL listed channel raceway system
- Includes:
  1 Splice clevis
  1 pc. B466W tapped plate
  4 pcs. 1/4”-20 Flat Head Machine Screws
- Material: 16 gauge (1.5)
- Standard finishes: ZN, GRN

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>For Channel Size</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td>B166-46-11</td>
<td>3 1/4” (82.5)</td>
<td>B11</td>
<td>118 (53.5)</td>
</tr>
<tr>
<td>B166-46-12</td>
<td>2 7/16” (61.9)</td>
<td>B12</td>
<td>98 (44.4)</td>
</tr>
<tr>
<td>B166-46-22</td>
<td>1 5/8” (41.3)</td>
<td>B22, B24</td>
<td>79 (35.8)</td>
</tr>
<tr>
<td>B166-46-32</td>
<td>1 3/8” (34.9)</td>
<td>B32</td>
<td>73 (33.1)</td>
</tr>
<tr>
<td>B166-46-42</td>
<td>1” (25.4)</td>
<td>B42</td>
<td>65 (29.5)</td>
</tr>
<tr>
<td>B166-46-52</td>
<td>13/16” (20.6)</td>
<td>B52, B54</td>
<td>61 (27.6)</td>
</tr>
</tbody>
</table>

B393-1 Wiring Stud
- Requires ground wire for use with UL listed channel raceway system
- 1/2” (15) pipe threads
- Material: Cast aluminum
- Wt./C 6 Lbs. (2.7 kg)

B589 Spacer Clevis
- Can be used with B393-1 wiring stud
- Material: 12 gauge (2.6)
- Standard finish: ZN
- Wt./C 29 Lbs. (13.1 kg)

B590 Fiber Wire Retainer
- Installation aid for retaining wires before installing snap closure strip
- Wt./C 1 Lb. (.4 kg)

B617 Shoulder Bolt
- Standard finish: ZN
- Wt./C 6 Lbs. (2.7 kg)
**Electrical Accessories**

**Reference page 206 for general fitting and standard finish specifications. U.L. Wire Fill Chart on pages 272 - 273.**

### Electrical Hardware & Porcelain Saddles

#### B446A
Swivel Hanger (Female Only)
- Design Load:
  - (3/8)-610 Lbs. (2.71 kN)
  - (1/2)-1130 Lbs. (5.02 kN)
- Safety Factor of 3
- Standard finish: ZN

![Diagram of B446A](image)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>R</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td>B446A-3/8</td>
<td>9/32” (7.1)</td>
<td>13 (5.9)</td>
<td></td>
</tr>
<tr>
<td>B446A-1/2</td>
<td>3/8” (9.5)</td>
<td>15 (6.8)</td>
<td></td>
</tr>
</tbody>
</table>

#### B446B
Swivel Hanger (Male Only)
- Design Load:
  - (3/8)-610 Lbs. (2.71 kN)
  - (1/2)-1130 Lbs. (5.02 kN)
- Safety Factor of 3
- Standard finish: ZN

![Diagram of B446B](image)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>R</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td>B446B-3/8</td>
<td>9/32” (7.1)</td>
<td>16 (7.2)</td>
<td></td>
</tr>
<tr>
<td>B446B-1/2</td>
<td>3/8” (9.5)</td>
<td>20 (9.1)</td>
<td></td>
</tr>
</tbody>
</table>

#### B446C
Swivel Hanger (Female-Female)
- Design Load:
  - (3/8)-610 Lbs. (2.71 kN)
  - (1/2)-1130 Lbs. (5.02 kN)
- Safety Factor of 3
- Standard finish: ZN

![Diagram of B446C](image)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>R</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td>B446C-3/8</td>
<td>9/32” (7.1)</td>
<td>26 (11.8)</td>
<td></td>
</tr>
<tr>
<td>B446C-1/2</td>
<td>3/8” (9.5)</td>
<td>31 (14.0)</td>
<td></td>
</tr>
</tbody>
</table>

#### B446
Swivel Hanger (Female-Male)
- Design Load:
  - (3/8)-610 Lbs. (2.71 kN)
  - (1/2)-1130 Lbs. (5.02 kN)
- Safety Factor of 3
- Standard finish: ZN

![Diagram of B446](image)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>B</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td>B446-3/8</td>
<td>9/32” (7.1)</td>
<td>28 (12.7)</td>
<td></td>
</tr>
<tr>
<td>B446-1/2</td>
<td>3/8” (9.5)</td>
<td>36 (16.3)</td>
<td></td>
</tr>
</tbody>
</table>

#### B4050 & B4051
Porcelain Cable Channel Saddle
- Electrical porcelain has an dielectric strength of 50 volts/mil

![Diagram of B4050 & B4051](image)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>R</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4050</td>
<td>1” (25.4)</td>
<td>21/4” (57.1)</td>
<td>72 (32.6)</td>
</tr>
<tr>
<td>B4051</td>
<td>2” (51.0)</td>
<td>21/4” (54.0)</td>
<td>100 (45.3)</td>
</tr>
</tbody>
</table>

#### B4094 & B4095
Porcelain Cable Rack Saddle
- Electrical porcelain has an dielectric strength of 50 volts/mil
- Designed for use with B449 brackets

![Diagram of B4094 & B4095](image)

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>B</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4094</td>
<td>2” (51.0)</td>
<td>3” (76.2)</td>
<td>67 (30.4)</td>
</tr>
<tr>
<td>B4095</td>
<td>3” (76.2)</td>
<td>21/4” (54.0)</td>
<td>106 (48.1)</td>
</tr>
</tbody>
</table>
### Insulclamp Clamps

**B4060 THRU B4093**

**Insulclamp™ Cable Clamps (Replaces porcelain clamps)**

- **Assembly includes:**
  - Insulclamp & 1 pr. zinc plated pipe straps with Everdur (Silicon Bronze) hardware
  - The thermoplastic elastomer Insulclamp has a dielectric strength of 640 volts/mil
  - The flame retardant one piece design allows for trouble free assembly
  - Everdur hardware is non-ferrous and prevents magnetic induction

---

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Hole Dia.</th>
<th>Wt./C</th>
<th>A</th>
<th>B</th>
<th>Includes Clamp No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>In.</td>
<td>Lbs.</td>
<td>mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B4060</td>
<td>3/8”</td>
<td>25</td>
<td>(9.5)</td>
<td>.56”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4061</td>
<td>1/2”</td>
<td>25</td>
<td>(12.7)</td>
<td>(.56”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4062</td>
<td>5/8”</td>
<td>25</td>
<td>(15.9)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4063</td>
<td>3/4”</td>
<td>37</td>
<td>(19.0)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4064</td>
<td>7/8”</td>
<td>37</td>
<td>(22.2)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4065</td>
<td>1”</td>
<td>37</td>
<td>(25.4)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4066</td>
<td>1 1/8”</td>
<td>37</td>
<td>(28.6)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4067</td>
<td>1 1/4”</td>
<td>58</td>
<td>(31.7)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4068</td>
<td>1 1/2”</td>
<td>58</td>
<td>(34.9)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4069</td>
<td>1 3/8”</td>
<td>58</td>
<td>(38.1)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4070</td>
<td>1 5/8”</td>
<td>58</td>
<td>(41.3)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4071</td>
<td>1 1/4”</td>
<td>76</td>
<td>(44.4)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4072</td>
<td>1 1/2”</td>
<td>76</td>
<td>(47.6)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4073</td>
<td>2”</td>
<td>76</td>
<td>(50.8)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4074</td>
<td>2 1/8”</td>
<td>76</td>
<td>(54.0)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4075</td>
<td>2 1/4”</td>
<td>90</td>
<td>(57.1)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4076</td>
<td>2 3/8”</td>
<td>90</td>
<td>(60.3)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4077</td>
<td>2 1/2”</td>
<td>90</td>
<td>(63.5)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4078</td>
<td>2 5/8”</td>
<td>90</td>
<td>(66.7)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4079</td>
<td>2 3/4”</td>
<td>109</td>
<td>(69.8)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4080</td>
<td>2 7/8”</td>
<td>109</td>
<td>(73.0)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4081</td>
<td>3”</td>
<td>109</td>
<td>(76.2)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4082</td>
<td>3 1/8”</td>
<td>109</td>
<td>(79.4)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4083</td>
<td>3 1/4”</td>
<td>130</td>
<td>(82.5)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4084</td>
<td>3 3/8”</td>
<td>130</td>
<td>(85.7)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4085</td>
<td>3 1/2”</td>
<td>130</td>
<td>(88.9)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4086</td>
<td>3 5/8”</td>
<td>130</td>
<td>(92.1)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4087</td>
<td>3 3/4”</td>
<td>160</td>
<td>(95.2)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4088</td>
<td>3 7/8”</td>
<td>160</td>
<td>(98.4)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4089</td>
<td>4”</td>
<td>160</td>
<td>(101.6)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4090</td>
<td>4 1/8”</td>
<td>160</td>
<td>(104.8)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4091</td>
<td>4 1/4”</td>
<td>160</td>
<td>(107.9)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4092</td>
<td>4 3/8”</td>
<td>160</td>
<td>(111.1)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
<tr>
<td>B4093</td>
<td>4 1/2”</td>
<td>160</td>
<td>(114.3)</td>
<td>(.81”</td>
<td>B2030</td>
</tr>
</tbody>
</table>

---


**B-Line series strut systems**

---

4Dimension compatible fitting
open side only OSO

---

**Eaton**

---

**Electrical Accessories**