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 231-232.

Cable Supports
A full range of clamps and saddles are offered in porcelain, thermoplastic elastomer and maple. Our maple clamps, 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). Maple clamps are made from kiln-dried maple wood, paraffin impregnated.
*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  B32, B32KO6
B12, B12KO6  B42, B42KO6
B22, B22KO6  B52, B52KO6
B24, B24KO6  B54, B54KO6
B26, B26KO6  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.
### Selection Chart

<table>
<thead>
<tr>
<th>Channel Number</th>
<th>Depth in.</th>
<th>mm</th>
<th>1 Channel Hanger</th>
<th>1A Channel Hanger</th>
<th>2 Fixture Hanger</th>
<th>End Cap</th>
<th>3A Connection End Cap</th>
<th>4 Internal Straight Splice</th>
<th>5 Internal Tee Splice</th>
</tr>
</thead>
<tbody>
<tr>
<td>B22A</td>
<td>3 1/4”</td>
<td>(82.5)</td>
<td>B616-22A*</td>
<td>B2415*</td>
<td>B616S-22A*</td>
<td>B205 or B285</td>
<td>B392-22**</td>
<td>B766-22 (2)</td>
<td>B768-22 (2)</td>
</tr>
<tr>
<td>B11</td>
<td>3 1/4”</td>
<td>(82.5)</td>
<td>B616-22A*</td>
<td>B2415*</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”</td>
<td>(61.9)</td>
<td>B616-22A*</td>
<td>B2415*</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”</td>
<td>(41.3)</td>
<td>B616*</td>
<td>B2165S*</td>
<td>B616S* B616TG*</td>
<td>B205 or B285</td>
<td>B392-22**</td>
<td>B766-22</td>
<td>B768-22</td>
</tr>
<tr>
<td>B24</td>
<td>1 5/8”</td>
<td>(41.3)</td>
<td>B616*</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>B26</td>
<td>1 3/8”</td>
<td>(34.9)</td>
<td>B616*</td>
<td>B2165S*</td>
<td>B616S* B616TG*</td>
<td>B206</td>
<td>B392-32**</td>
<td>B766-32</td>
<td>B768-32</td>
</tr>
<tr>
<td>B32</td>
<td>1 3/8”</td>
<td>(34.9)</td>
<td>B616*</td>
<td>B2165S*</td>
<td>B616S* B616TG*</td>
<td>B206</td>
<td>B392-32**</td>
<td>B766-32</td>
<td>B768-32</td>
</tr>
<tr>
<td>B42</td>
<td>1”</td>
<td>(25.4)</td>
<td>B616*</td>
<td>B2155*</td>
<td>B616S* B616TG*</td>
<td>B203</td>
<td>–</td>
<td>B766-42</td>
<td>B768-42</td>
</tr>
<tr>
<td>B52</td>
<td>1 3/16”</td>
<td>(20.6)</td>
<td>B616*</td>
<td>B2155*</td>
<td>B616S* B616TG*</td>
<td>B220 or B283</td>
<td>–</td>
<td>B766-52</td>
<td>B768-52</td>
</tr>
<tr>
<td>B54</td>
<td>1 3/16”</td>
<td>(20.6)</td>
<td>B616*</td>
<td>B2155*</td>
<td>B616S* B616TG*</td>
<td>B204 or B284</td>
<td>–</td>
<td>B766-52</td>
<td>B768-52</td>
</tr>
<tr>
<td>B56</td>
<td>1 3/16”</td>
<td>(20.6)</td>
<td>B616*</td>
<td>B2155*</td>
<td>B616S* B616TG*</td>
<td>–</td>
<td>–</td>
<td>B766-56</td>
<td>–</td>
</tr>
</tbody>
</table>

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

### Other Items Shown on Illustration

- **B217-20**: Snap-in Closure Strip
- **B351L**: Beam Clamp
- **B755**: Beam Clamp
- **B751**: Beam Clamp
- **B465**: H.I.D. Fixture Hanger
- **B750**: Beam Clamp
- **B447**: Conduit Connection Plate
- **B719**: Beam Clamp
- **B718**: Series Junction Box

**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)
- Wt./C 25 Lbs. (11.3 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-9/16 Fluorescent Fixture Hanger with Stud**
- Design Load 150 Lbs. (0.67 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (22 kN) when used as a fixture support
- Allows more than 1/2” (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)

**B616S-7/8 Fluorescent Fixture Hanger with Stud**
- Design Load 150 Lbs. (0.67 kN)
- Safety Factor of 3
- Maximum design load 50 Lbs. (22 kN) when used as a fixture support
- Allows more than 1/2” (12.7) space between channel and fixture
- Standard finish: ZN
- 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)

**Fluorescent Fixture Hangers**

**B616S-22A-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
  - 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)

**B616S-22A-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
  - 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. (.67 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
    - 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 & B56 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, B26 & 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)

**B241S**
- **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 B11 & B12 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 47 Lbs. (21.3 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:
  - 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)

**B390BX**

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
  - Fits on 4" box
- Standard Finish: ZN
- Wt./C 55 Lbs. (24.9 kg)

**B436**

Fluorescent Fixture Nut

- Standard Finish: ZN
- Wt./C 2 Lbs. (0.9 kg)

**B436S**

Fluorescent Fixture Stud Nut

- Bolt Size: 1/4" x 1 1/4"
- Standard Finish: ZN
- Wt./C 4 Lbs. (1.8 kg)
- Design Load 250 Lbs. (1.11 kN)
- Safety Factor of 3

<table>
<thead>
<tr>
<th>Part No.</th>
<th>For Channel Size</th>
<th>A (in)</th>
<th>Wt./C (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B460-22</td>
<td>B22, B24, B26, B32</td>
<td>21/8&quot; (57.5)</td>
<td>17 (7.7)</td>
</tr>
<tr>
<td>B460-12</td>
<td>B12</td>
<td>215/16&quot; (79.5)</td>
<td>20 (9.1)</td>
</tr>
<tr>
<td>B460-11</td>
<td>B11</td>
<td>33/4&quot; (101.6)</td>
<td>23 (10.4)</td>
</tr>
</tbody>
</table>

**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

**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

Electrical Accessories

**B217-20 Snap Closure Strip for All 15/8" (41.3) Wide Channels**
- Refer to Raceway Fill Chart pages 231-232
- Material: 20 Gauge (.9)
- Standard finishes: GRN, GALV, YZN
- 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 231-232
- 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 231-232
- 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>1.390&quot; (35.3)</td>
<td>8 (3.6)</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>

**B283 thru B286 End Caps**
- Material: 12 Gauge (2.6)
- Standard finishes: ZN, GRN

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Use With</th>
<th>A</th>
<th>B</th>
<th>Wt./C</th>
</tr>
</thead>
<tbody>
<tr>
<td>B283</td>
<td>B52</td>
<td>119/32&quot; (40.5)</td>
<td>25/32&quot; (19.8)</td>
<td>6 (2.7)</td>
</tr>
<tr>
<td>B284</td>
<td>B54 &amp; B56</td>
<td>119/32&quot; (40.5)</td>
<td>25/32&quot; (19.8)</td>
<td>6 (2.7)</td>
</tr>
<tr>
<td>B285</td>
<td>B22</td>
<td>119/32&quot; (40.5)</td>
<td>119/32&quot; (40.5)</td>
<td>13 (5.9)</td>
</tr>
<tr>
<td>B286</td>
<td>B24 &amp; B26</td>
<td>119/32&quot; (40.5)</td>
<td>119/32&quot; (40.5)</td>
<td>14 (6.3)</td>
</tr>
</tbody>
</table>

### 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
- 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

### B392-12 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

### B392-11 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

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**Electrical Accessories**

B718
Universal Junction Bob
• Assemble B719 Hubs into B718 square knockouts
• Designed for use with B22, B24 & B26 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>Lbs.</th>
<th>kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>B718-1</td>
<td>1 B718 &amp; 1 B719</td>
<td>205</td>
<td>(93.0)</td>
</tr>
<tr>
<td>B718-2</td>
<td>1 B718 &amp; 2 B719</td>
<td>230</td>
<td>(104.3)</td>
</tr>
<tr>
<td>B718-3</td>
<td>1 B718 &amp; 3 B719</td>
<td>255</td>
<td>(115.6)</td>
</tr>
<tr>
<td>B718-4</td>
<td>1 B718 &amp; 4 B719</td>
<td>280</td>
<td>(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. 1/4”-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>Lbs.</th>
<th>kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>B518-1</td>
<td>1</td>
<td>106</td>
<td>(48.1)</td>
</tr>
<tr>
<td>B518-2</td>
<td>2</td>
<td>137</td>
<td>(62.1)</td>
</tr>
<tr>
<td>B518-3</td>
<td>3</td>
<td>162</td>
<td>(78.5)</td>
</tr>
<tr>
<td>B518-4</td>
<td>4</td>
<td>192</td>
<td>(87.1)</td>
</tr>
</tbody>
</table>

Channel Connection Kit
• For use with B22, B24 & B26 Channels.
• Box Dimension: Standard 4” Octagon Box
• Includes:
  1 pc. B392-22-3/4 End Connection (See page 169)
  1 pc. 3/4” (20) Insulated Chase Nipple
  1 pc. 3/4” (20) Lock Nut
• Standard finish: ZN

### B766 Series
#### Straight Strut Joiner
- Includes: 2 Cam Screws
- 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.

### 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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>For Channel Size</th>
<th>Wt./C</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>B766-11</td>
<td>B11</td>
<td>94</td>
<td>(42.6)</td>
</tr>
<tr>
<td>B766-12</td>
<td>B12</td>
<td>72</td>
<td>(32.6)</td>
</tr>
<tr>
<td>B766-22*</td>
<td>B22 &amp; B24</td>
<td>50</td>
<td>(22.7)</td>
</tr>
<tr>
<td>B766-26</td>
<td>B26</td>
<td>53</td>
<td>(24.0)</td>
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<tr>
<td>B766-32</td>
<td>B32</td>
<td>44</td>
<td>(19.9)</td>
</tr>
<tr>
<td>B766-42</td>
<td>B42</td>
<td>34</td>
<td>(15.4)</td>
</tr>
<tr>
<td>B766-52</td>
<td>B52 &amp; B54</td>
<td>28</td>
<td>(12.7)</td>
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<tr>
<td>B766-56</td>
<td>B56</td>
<td>31</td>
<td>(14.0)</td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>B767-11</td>
<td>B11</td>
<td>74</td>
<td>(33.5)</td>
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<tr>
<td>B767-12</td>
<td>B12</td>
<td>56</td>
<td>(25.4)</td>
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<td>B767-22*</td>
<td>B22 &amp; B24</td>
<td>39</td>
<td>(17.7)</td>
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<td>B767-26</td>
<td>B26</td>
<td>41</td>
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<td>B767-32</td>
<td>B32</td>
<td>34</td>
<td>(15.4)</td>
</tr>
<tr>
<td>B767-42</td>
<td>B42</td>
<td>27</td>
<td>(12.2)</td>
</tr>
<tr>
<td>B767-52</td>
<td>B52 &amp; B54</td>
<td>23</td>
<td>(10.4)</td>
</tr>
<tr>
<td>B767-56</td>
<td>B56</td>
<td>25</td>
<td>(11.3)</td>
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</table>

<table>
<thead>
<tr>
<th>Part No.</th>
<th>For Channel Size</th>
<th>Wt./C</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>B768-11</td>
<td>B11</td>
<td>142</td>
<td>(64.4)</td>
</tr>
<tr>
<td>B768-12</td>
<td>B12</td>
<td>112</td>
<td>(50.8)</td>
</tr>
<tr>
<td>B768-22*</td>
<td>B22 &amp; B24</td>
<td>79</td>
<td>(35.8)</td>
</tr>
<tr>
<td>B768-26</td>
<td>B26</td>
<td>79</td>
<td>(35.8)</td>
</tr>
<tr>
<td>B768-32</td>
<td>B32</td>
<td>72</td>
<td>(32.6)</td>
</tr>
<tr>
<td>B768-42</td>
<td>B42</td>
<td>62</td>
<td>(28.1)</td>
</tr>
<tr>
<td>B768-52</td>
<td>B52 &amp; B54</td>
<td>57</td>
<td>(25.8)</td>
</tr>
<tr>
<td>B768-56</td>
<td>B56</td>
<td>60</td>
<td>(27.2)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part No.</th>
<th>For Channel Size</th>
<th>Wt./C</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>B769-11</td>
<td>B11</td>
<td>148</td>
<td>(67.1)</td>
</tr>
<tr>
<td>B769-12</td>
<td>B12</td>
<td>120</td>
<td>(54.4)</td>
</tr>
<tr>
<td>B769-22*</td>
<td>B22 &amp; B24</td>
<td>87</td>
<td>(39.4)</td>
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<tr>
<td>B769-26</td>
<td>B26</td>
<td>93</td>
<td>(42.2)</td>
</tr>
<tr>
<td>B769-32</td>
<td>B32</td>
<td>78</td>
<td>(35.4)</td>
</tr>
<tr>
<td>B769-42</td>
<td>B42</td>
<td>65</td>
<td>(29.5)</td>
</tr>
<tr>
<td>B769-52</td>
<td>B52 &amp; B54</td>
<td>58</td>
<td>(26.3)</td>
</tr>
<tr>
<td>B769-56</td>
<td>B56</td>
<td>62</td>
<td>(28.1)</td>
</tr>
</tbody>
</table>

* Cast Aluminum parts

**Note:** Strut joiners are not for structural support. A channel support is recommended within 24” (609 mm) of each.
**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 In.</th>
<th>For Channel Size</th>
<th>Wt./C Lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>B166-11</td>
<td>31/4&quot; (82.5)</td>
<td>B11</td>
<td>128 (58.0)</td>
</tr>
<tr>
<td>B166-12</td>
<td>27/16&quot; (61.9)</td>
<td>B12</td>
<td>108 (49.0)</td>
</tr>
<tr>
<td>B166-22</td>
<td>15/8&quot; (41.3)</td>
<td>B22, B24, B26</td>
<td>91 (40.3)</td>
</tr>
<tr>
<td>B166-32</td>
<td>13/8&quot; (34.9)</td>
<td>B32</td>
<td>83 (37.0)</td>
</tr>
<tr>
<td>B166-42</td>
<td>1&quot; (25.4)</td>
<td>B42</td>
<td>75 (34.0)</td>
</tr>
<tr>
<td>B166-52</td>
<td>13/16&quot; (20.6)</td>
<td>B52, B54, B56</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 In.</th>
<th>For Channel Size</th>
<th>Wt./C Lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>B166-46-11</td>
<td>31/4&quot; (82.5)</td>
<td>B11</td>
<td>118 (53.5)</td>
</tr>
<tr>
<td>B166-46-12</td>
<td>27/16&quot; (61.9)</td>
<td>B12</td>
<td>98 (44.4)</td>
</tr>
<tr>
<td>B166-46-22</td>
<td>15/8&quot; (41.3)</td>
<td>B22, B24, B26</td>
<td>79 (35.8)</td>
</tr>
<tr>
<td>B166-46-32</td>
<td>13/8&quot; (34.9)</td>
<td>B32</td>
<td>73 (33.1)</td>
</tr>
<tr>
<td>B166-46-42</td>
<td>1&quot; (25.4)</td>
<td>B42</td>
<td>65 (29.5)</td>
</tr>
<tr>
<td>B166-46-52</td>
<td>13/16&quot; (20.6)</td>
<td>B52, B54, B56</td>
<td>61 (27.6)</td>
</tr>
</tbody>
</table>

**B166CL**

**Splice Clevis Clip**

- Use to cover gap between strut
- Material: 18 Gauge (1.2)
- Standard finish: ZN
- Wt./C 4 Lbs. (1.8 kg)

**B619**

**Knock-Out Plate**

- Requires ground wire for use with UL listed channel raceway system
- Includes:
  2 pcs. 1/4"-20 Flat Head Machine Screws
  2 pcs. N224WO Channel Nuts
- Material: 16 Gauge (1.5)
- 1/2" (15) Conduit Knockouts
- Standard finish: ZN
- Wt./C 40 Lbs. (18.1 kg)
**B590 Fiber Wire Retainer**
- Installation aid for retaining wires before installing snap closure strip
- Wt./C 1 Lb. (.4 kg)

**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

**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

**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

**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

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

---

**Part No.** | **A** | **R** | **Wt./C**
--- | --- | --- | ---
**B446A-3/8** | 3/8"-16 HN | 9/32" (7.1) | 13 (5.9)
**B446A-1/2** | 1/2"-13 HN | 3/8" (9.5) | 15 (6.8)

**Part No.** | **A** | **R** | **Wt./C**
--- | --- | --- | ---
**B446B-3/8** | 3/8"-16 HHCS | 9/32" (7.1) | 16 (7.2)
**B446B-1/2** | 1/2"-13 HHCS | 3/8" (9.5) | 20 (9.1)

**Part No.** | **A** | **Wt./C**
--- | --- | ---
**B446C-3/8** | 3/8"-16 HN | 26 (11.8)
**B446C-1/2** | 1/2"-13 HN | 31 (14.0)

**Part No.** | **A** | **B** | **Wt./C**
--- | --- | --- | ---
**B446-3/8** | 3/8"-16 HN | 3/8"-16 HHCS | 28 (12.7)
**B446-1/2** | 1/2"-13 HN | 1/2"-13 HHCS | 36 (16.3)

### Insulclamp™ Clamps

**B4060 THRU B4093**  
**Insulclamp Cable Clamps (Replaces porcelain clamps)**

- Assembly includes:
  - 1 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

#### Part No. | Hole Dia. | Wt./C | Includes Clamp No.
|-------------|----------|-------|------------------------
| B4060       | 3/8" (9.5) | 25 (11.3) | B2030
| B4061       | 1/2" (12.7) | 25 (11.3) |   
| B4062       | 5/8" (15.9) | 25 (11.3) |   
| B4063       | 3/4" (19.0) | 37 (16.8) |   
| B4064       | 7/8" (22.2) | 37 (16.8) |   
| B4065       | 1" (25.4) | 37 (16.8) | B2011
| B4066       | 1 1/8" (28.6) | 37 (16.8) |   
| B4067       | 1 1/4" (31.7) | 58 (26.3) |   
| B4068       | 1 3/8" (34.9) | 58 (26.3) |   
| B4069       | 1 1/2" (38.1) | 58 (26.3) | B2038
| B4070       | 1 5/8" (41.3) | 58 (26.3) |   
| B4071       | 1 3/4" (44.4) | 76 (34.5) |   
| B4072       | 1 7/8" (47.6) | 76 (34.5) |   
| B4073       | 2" (50.8) | 76 (34.5) |   
| B4074       | 2 1/8" (54.0) | 76 (34.5) |   
| B4075       | 2 1/4" (57.1) | 90 (40.8) |   
| B4076       | 2 3/8" (60.3) | 90 (40.8) |   
| B4077       | 2 1/2" (63.5) | 90 (40.8) |   
| B4078       | 2 5/8" (66.7) | 90 (40.8) |   
| B4079       | 2 3/4" (69.8) | 109 (49.4) |   
| B4080       | 2 7/8" (73.0) | 109 (49.4) |   
| B4081       | 3" (76.2) | 109 (49.4) | B2050
| B4082       | 3 1/8" (79.4) | 109 (49.4) |   
| B4083       | 3 1/4" (82.5) | 130 (58.9) |   
| B4084       | 3 3/8" (85.7) | 130 (58.9) |   
| B4085       | 3 1/2" (88.9) | 130 (58.9) |   
| B4086       | 3 5/8" (92.1) | 130 (58.9) |   
| B4087       | 3 3/4" (95.2) | 160 (72.6) |   
| B4088       | 3 7/8" (98.4) | 160 (72.6) |   
| B4089       | 4" (101.6) | 160 (72.6) |   
| B4090       | 4 1/8" (104.8) | 160 (72.6) |   
| B4091       | 4 1/4" (107.9) | 160 (72.6) |   
| B4092       | 4 3/8" (111.1) | 160 (72.6) | B2018
| B4093       | 4 1/2" (114.3) | 160 (72.6) |   

**Porcelain & Maple Clamps**

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

**B4035A thru B4035F**
4” (101.6) Bus Bar Maple Clamps
- Assembly Includes:
  1 pr. Maple Clamps (Paraffin Impregnated)
  3 pcs. 1/2” Flat Washers
  3 pcs. N225WO
  3 pcs. SQN-1/2”
  3 pcs. ATR-1/2 x L (Length)
- Required number of Separators
- 1/4” (6.3) x 2” (50.8) and 1/4” (6.3) x 6” (152.4)
- Bus Bar Maple Clamps available

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

<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>3” (76.2)</td>
<td>1-3/8” (34.9)</td>
<td>72 (32.6)</td>
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<tr>
<td>B4051</td>
<td>4” (101.6)</td>
<td>2-1/8” (54.0)</td>
<td>100 (45.3)</td>
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</tbody>
</table>

**B4035B 1/4” (6.3) x 4” (101.6)**
Bus Bar Separator
- Wt./C 9 Lbs. (4.1 kg)

**Discontinued**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>No. of Bus Separators</th>
<th>No. of Bars Per Leg</th>
<th>Wt./C</th>
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<tbody>
<tr>
<td>B4035A</td>
<td>8-1/2” (215.9)</td>
<td>1-1/4” (31.7)</td>
<td>–</td>
<td>1</td>
<td>416 (188.7)</td>
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<tr>
<td>B4035B</td>
<td>9-1/2” (241.3)</td>
<td>3-1/4” (77.4)</td>
<td>2</td>
<td>2</td>
<td>447 (202.7)</td>
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</tr>
<tr>
<td>B4035C</td>
<td>10-1/2” (266.7)</td>
<td>11/4” (31.7)</td>
<td>2</td>
<td>3</td>
<td>479 (217.3)</td>
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<tr>
<td>B4035D</td>
<td>11-1/2” (292.1)</td>
<td>3-3/4” (94.8)</td>
<td>6</td>
<td>4</td>
<td>511 (231.8)</td>
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<td>B4035E</td>
<td>12-1/2” (317.5)</td>
<td>2-1/4” (57.1)</td>
<td>8</td>
<td>5</td>
<td>542 (245.8)</td>
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<tr>
<td>B4035F</td>
<td>13-1/2” (342.9)</td>
<td>2-3/4” (69.8)</td>
<td>10</td>
<td>6</td>
<td>574 (260.3)</td>
<td></td>
</tr>
</tbody>
</table>

B4000 thru B4007 - Maple Cable Clamps

- Assembly Includes:
  1 pr. Maple Clamps (Paraffin Impregnated)
  1 pr. zinc plated Steel Pipe Straps with Everdur Hardware (Silicon Bronze)
- Everdur hardware is non-ferrous and prevents magnetic induction

Note: Maple cable clamps have been replaced with Insulclamps™ see page 174 for sizes

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>B4000</td>
<td>0” to 5/8” (0.0 to 15.9)</td>
<td>1 1/32” (34.1)</td>
<td>2” (50.8)</td>
<td>B2010</td>
<td>24 (10.9)</td>
</tr>
<tr>
<td>B4001</td>
<td>1/2” to 1” (12.7 to 25.4)</td>
<td>1 5/32” (39.6)</td>
<td>2” (50.8)</td>
<td>B2012</td>
<td>44 (19.9)</td>
</tr>
<tr>
<td>B4002</td>
<td>3/4” to 1 1/2” (19.0 to 38.1)</td>
<td>3 3/4” (95.3)</td>
<td>2” (50.8)</td>
<td>B2013</td>
<td>58 (26.3)</td>
</tr>
<tr>
<td>B4003</td>
<td>1 1/4” to 1 3/4” (31.7 to 44.4)</td>
<td>3 3/4” (95.3)</td>
<td>3 1/2” (88.9)</td>
<td>B2014</td>
<td>66 (29.9)</td>
</tr>
<tr>
<td>B4004</td>
<td>1 3/4” to 2 1/2” (38.1 to 63.5)</td>
<td>3 1/2” (88.9)</td>
<td>4 3/8” (111.1)</td>
<td>B2015</td>
<td>86 (39.0)</td>
</tr>
<tr>
<td>B4005</td>
<td>2” to 2 1/2” (50.8 to 63.5)</td>
<td>4” (101.6)</td>
<td>4 7/8” (123.8)</td>
<td>B2016</td>
<td>110 (49.9)</td>
</tr>
<tr>
<td>B4006</td>
<td>2 3/4” to 3” (69.8 to 76.2)</td>
<td>4 1/2” (114.3)</td>
<td>5 7/8” (169.8)</td>
<td>B2017</td>
<td>125 (56.7)</td>
</tr>
<tr>
<td>B4007</td>
<td>3” to 4” (76.2 to 101.6)</td>
<td>5 9/16” (141.3)</td>
<td>6 7/16” (163.5)</td>
<td>B2019</td>
<td>165 (74.8)</td>
</tr>
</tbody>
</table>

B4008 thru B4017 - Square Maple Cable Saddle

- Assembly Includes:
  1 Maple Saddle (Paraffin Impregnated)
  1 pc. 3/8”-16 Flat Head Machine Screw
  1 pc. N228 Channel Nut
- Other sizes available

Note: Square maple cable saddles have been replaced with porcelain cable channel saddles see page 175 for sizes

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Specify Hole Diameter In.</th>
<th>A In.</th>
<th>B In.</th>
<th>Wt./C Lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>B4008</td>
<td>0” to 1” (0.0 to 25.4)</td>
<td>3” (76.2)</td>
<td>3 1/4” (82.5)</td>
<td>45 (20.5)</td>
</tr>
<tr>
<td>B4009</td>
<td>1” to 1 1/2” (25.4 to 38.1)</td>
<td>3 1/4” (82.5)</td>
<td>4” (101.6)</td>
<td>62 (28.1)</td>
</tr>
<tr>
<td>B4010</td>
<td>1 1/2” to 2” (38.1 to 50.8)</td>
<td>4” (101.6)</td>
<td>5” (127.0)</td>
<td>76 (34.5)</td>
</tr>
<tr>
<td>B4011</td>
<td>2” to 2 1/2” (50.8 to 63.5)</td>
<td>5” (127.0)</td>
<td>5 1/2” (139.7)</td>
<td>85 (38.5)</td>
</tr>
<tr>
<td>B4012</td>
<td>2 3/4” to 3” (69.8 to 76.2)</td>
<td>5 1/2” (139.7)</td>
<td>6” (152.4)</td>
<td>95 (43.1)</td>
</tr>
<tr>
<td>B4013</td>
<td>3” to 3 1/2” (76.2 to 88.9)</td>
<td>6” (152.4)</td>
<td>7” (177.8)</td>
<td>105 (47.8)</td>
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<tr>
<td>B4014</td>
<td>3 1/2” to 4” (88.9 to 101.6)</td>
<td>7” (177.8)</td>
<td>7 1/2” (190.5)</td>
<td>115 (52.4)</td>
</tr>
<tr>
<td>B4015</td>
<td>4” to 4 1/2” (101.6 to 114.3)</td>
<td>7 1/2” (190.5)</td>
<td>8” (203.2)</td>
<td>126 (57.1)</td>
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<tr>
<td>B4016</td>
<td>4 1/2” to 5” (114.3 to 127.0)</td>
<td>8” (203.2)</td>
<td>9 1/2” (242.4)</td>
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</tr>
<tr>
<td>B4017</td>
<td>5” to 6” (127.0 to 152.4)</td>
<td>9 1/2” (242.4)</td>
<td>10” (254.0)</td>
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</tbody>
</table>

B4033A thru B4033I - Maple Cable Clamps

- Assembly Includes:
  1 pr. Maple Clamps (Paraffin Impregnated)
  2 pcs. 3/8”-16 Stud Bolts
  2 pcs. 3/8”-16 Flat Washers
  2 pcs. N228 Channel Nuts
- Other sizes available

Note: Maple cable clamps have been replaced with Insulclamps™ see page 174 for sizes

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Specify Hole Diameter In.</th>
<th>A In.</th>
<th>B In.</th>
<th>Wt./C Lbs.</th>
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<tbody>
<tr>
<td>B4033A</td>
<td>0” to 1” (0.0 to 25.4)</td>
<td>3 1/2” (89.9)</td>
<td>8” (203.2)</td>
<td>298 (135.2)</td>
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<td>B4033B</td>
<td>1” to 1 1/2” (25.4 to 38.1)</td>
<td>4” (101.6)</td>
<td>9 1/2” (242.4)</td>
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<td>B4033C</td>
<td>1 1/2” to 2” (38.1 to 50.8)</td>
<td>5” (127.0)</td>
<td>10” (254.0)</td>
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<tr>
<td>B4033D</td>
<td>2” to 2 1/2” (50.8 to 63.5)</td>
<td>6” (152.4)</td>
<td>11” (280.9)</td>
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<tr>
<td>B4033E</td>
<td>2 3/4” to 3” (69.8 to 76.2)</td>
<td>7” (177.8)</td>
<td>12” (304.8)</td>
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<tr>
<td>B4033F</td>
<td>3” to 3 1/2” (76.2 to 88.9)</td>
<td>8” (203.2)</td>
<td>13” (335.3)</td>
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<td>B4033G</td>
<td>3 1/2” to 4” (88.9 to 101.6)</td>
<td>9” (228.6)</td>
<td>14” (365.8)</td>
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<td>B4033H</td>
<td>4” to 4 1/2” (101.6 to 114.3)</td>
<td>10” (254.0)</td>
<td>15” (396.3)</td>
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<td>B4033I</td>
<td>4 1/2” to 5” (114.3 to 127.0)</td>
<td>11” (280.9)</td>
<td>16” (426.8)</td>
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