

# BKX Round Junction Boxes

For use in CEC governed locations.

## CEC:

Class II, Division 1 and 2, Groups E, F, G

Class III

CSA Enclosure 4

## Applications

- Serve as pulling fittings.
- Provides openings for splicing.
- Connect and change direction of conduit runs.
- When used with a gasket, BKX junction boxes are weatherproof.
- BKX junction boxes are dust-ignitionproof when supplied for Class II applications. Suitable for use in grain elevators, flour mills and other environments where dust presents a hazard.

## Features

- Malleable iron Unilets offer high tensile strength, ductility, corrosion resistance and impact and shock resistance.
- Copperfree aluminum Unilets are lightweight, self-oxidizing, self-renewing and offer a high corrosion resistance.
- Roomy interiors: more wiring space.
- Smooth, rounded integral bushing in each hub protects conductor insulation.
- Accurately tapped, tapered threads for tight, rigid joints and ground continuity.
- BKX Series
  - Enclosed and gasketed boxes when used with hub or blank covers provide CSA Type 4 fit.
  - Suitable for exposed or concealed installations.
  - Boss in rear of box allows for fifth entry, factory or field entries, 1/2" or 3/4".
  - Available in three inside depths: 1-1/2", 2-1/4" and 3".
  - Furnished with four tapped holes and two close-up plugs.
  - Available in gray iron and aluminum.
  - Cushion fixture hangers are enclosed and gasketed.
  - Available for Class II, Division 1 applications.
  - Can be fitted with terminal block.

## Standard Materials

- BKX junction boxes and cast covers: gray iron
- BKX-A junction boxes and cast aluminum covers: copperfree (max. 4/10ths of 1%) aluminum
- BKX sheet metal covers: steel or aluminum
- Gaskets: neoprene or composition fiber

## Standard Finishes

- Boxes and covers: triple-coat — (1) zinc electroplate, (2) chromate and (3) epoxy powder coat

## Options

- Factory installed terminal block, add suffix **-CB** to catalog number

## CEC Certifications and Compliances

- CSA Standard: C22.2 No. 18.1
- CSA Certified: 013017

## Related Products

- For explosionproof junction boxes, see Enclosures and Junction Boxes.
- For Class II Fixture Hangers, See *Lighting*.



**BKX Junction Boxes.**  
Choice of three depths.



**BKX Class II Junction Boxes with covers and gasket.**



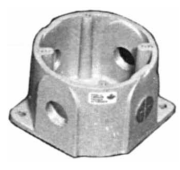





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| Description   | Hub Size (Inches) | Catalog Number |                  |
|---|-------------------|----------------|------------------|
|   |                   | Aluminum       | Gray Iron        |
|  <p><b>BKXS — 1-1/2" Inside Depth</b><br/>Furnished with four tapped holes and 4" centers, two tapped holes on 3-1/2" centers, four tapped conduit entries and two close-up plugs.</p> <p>Order covers as separate item.</p> | 1/2               | <b>BKXS-1A</b> | <b>BKXS-1</b>    |
|   | 3/4               | <b>BKXS-2A</b> | <b>BKXS-2</b>    |
|   | 1                 | <b>BKXS-3A</b> | <b>BKXS-3</b>    |
|  <p><b>BKXM — 2-1/4" Inside Depth</b><br/>Furnished with four tapped holes on 4" centers, two tapped holes on 3-1/2" centers, four tapped conduit entries and two close-up plugs.</p> <p>Order covers as separate item.</p>  | 1/2               | <b>BKXM-1A</b> | <b>BKXM-1</b>    |
|   | 3/4               | <b>BKXM-2A</b> | <b>BKXM-2</b>    |
|   | 1                 | <b>BKXM-3A</b> | <b>BKXM-3</b>    |
|  <p><b>BKXD — 3" Inside Depth</b><br/>Furnished with four tapped holes on 4" centers, two tapped holes on 3-1/2" centers, four tapped conduit entries and two close-up plugs.</p> <p>Order covers as a separate item.</p>   | 1/2               | <b>BKXD-1A</b> | <b>BKXD-1</b>    |
|   | 3/4               | <b>BKXD-2A</b> | <b>BKXD-2</b>    |
|   | 1                 | <b>BKXD-3A</b> | <b>BKXD-3</b>    |
| <b>BKX Covers — Furnished with screws</b>   |                   |                |                  |
|  <p>Cast</p>   | Blank             | <b>CBK-A</b>   | <b>CBK</b>       |
|   | 1/2               | <b>CBK-1A</b>  | <b>CBK-1</b>     |
|   | 3/4               | <b>CBK-2A</b>  | <b>CBK-2</b>     |
|  <p>Sheet Metal</p>  | Blank             | <b>CB-A</b>    | <b>CB</b>        |
|   |                   |                |                  |
|  <p><b>BKX Gasket</b><br/>Neoprene</p>   |                   | —              | <b>BKG</b>       |
| <b>JB — Flexible Fixture Hangers — Furnished with gasket and screws.</b>  |                   |                |                  |
|  <p><b>Ball Type</b><br/>15° swing in all directions, supports 113.4 kg (250 lbs)</p>  | 1/2               | —              | <b>JBK-50-BS</b> |
|   | 3/4               | —              | <b>JBK-75-BS</b> |
|  <p><b>Cushion Type</b><br/>Enclosed and gasketed — 8° swing in all directions. Cushions 18 kg (40 lb), supports 113.4 kg (250 lbs)</p>  | 1/2               | —              | <b>JBK-50-CS</b> |
|   | 3/4               | —              | <b>JBK-75-CS</b> |

Fittings


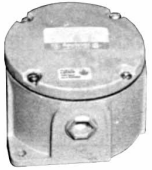



NEC/CEC CONDUIT OUTLET BODIES

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# BKX Round Junction Box Assemblies

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| Description  | Hub Size (Inches) | Catalog Number |           |
|--|-------------------|----------------|-----------|
|  |                   | Aluminum       | Gray Iron |
|  <p><b>BKXS – 1-1/2" Inside Depth</b><br/>                     Furnished with cover and attached gasket, four tapped openings and two close-up plugs.</p> | 1/2               | BKXS-1BA       | BKXS-1B   |
|  | 3/4               | BKXS-2BA       | BKXS-2B   |
|  <p><b>BKXM – 2-1/4" Inside Depth</b><br/>                     Furnished with cover and attached gasket, four tapped openings and two close-up plugs.</p> | 1/2               | BKXM-1BA       | BKXM-1B   |
|  | 3/4               | BKXM-2BA       | BKXM-2B   |
|  | 1                 | BKXM-3BA       | BKXM-3B   |
|  <p><b>BKXD – 3" Inside Depth</b><br/>                     Furnished with cover and attached gasket, four tapped openings and two close-up plugs.</p>    | 1/2               | BKXD-1BA       | BKXD-1B   |
|  | 3/4               | BKXD-2BA       | BKXD-2B   |
|  | 1                 | BKXD-3BA       | BKXD-3B   |
|  <p><b>BKX – Class II replacement cover assemblies</b><br/>                     Cast cover with permanently affixed gasket. Furnished with screws.</p>  | —                 | CBK-GA         | CBK-G     |
|  <p><b>Terminal Block</b><br/>                     Furnished with fastening hardware.<br/>                     5 wire, 20 Amp, 300 Volt.</p>            | —                 | —              | CB205B    |

Fittings

NEC/CEC CONDUIT OUTLET BODIES

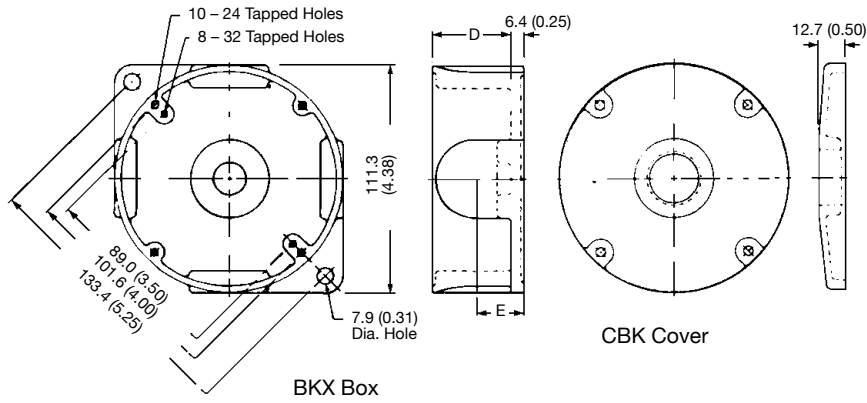
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# BKX Cast Junction Boxes

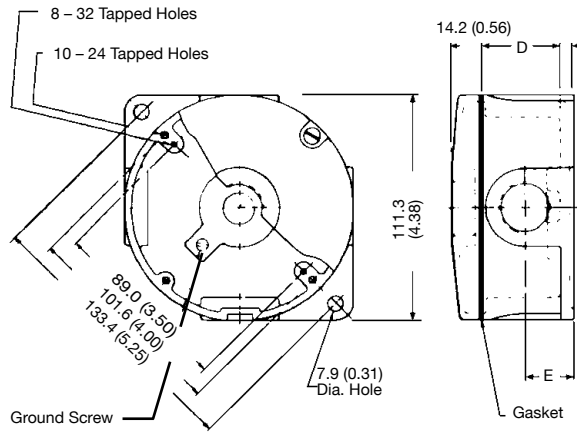
For use in CEC governed locations.

## Dimensions in Millimeters (Inches)

### BKX Round Base Unilet



### BKX Round Base Unilet for Class



NEC/CEC CONDUIT OUTLET BODIES

Fittings

| Enclosure | Dimensions in Millimeters (Inches) |             |
|-----------|------------------------------------|-------------|
|           | D                                  | E           |
| BKXS      | 38.1 (1.50)                        | 23.9 (0.94) |
| BKXM      | 57.2 (2.25)                        | 39.6 (1.56) |
| BKXD      | 76.2 (3.00)                        | 39.6 (1.56) |

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