General Description:

The R-7972 Bike Bollard features a slim, eclectic design free of protruding locking arms—suitable for dense urban areas. It balances the standard functionality of a pedestrian bollard, segregating vehicles from unobstructed foot traffic, while offering unique and secure bicycle storage. Cylindrical cavities pass through the vertical shaft to accommodate chains and U-locks to secure up to 2 bikes at a time. Cylindrical holes are angled to prevent collection of dust/debris and are spaced to accommodate bikes of varying sizes. R-7972 Bike Bollards are made from carbon steel and powder coated in 1 of 6 custom colors. Select from a range of mounting options: bolt-down flange, in-ground embed, fold-down and removable mountings.

For more information on bollard post installation, please visit: www.reliance-foundry.com/bollard/installation-bollards

Specifications:

- Height: 36" (Above Grade)
- Base Diameter: 4 3/8"
- Weight: 35 lbs (Bollard Post Full Length)
- Material: Steel (ASTM A36)

Finish Options:

- Polyester Powdercoated
  See Reliance Foundry's standard color options at www.reliance-foundry.com/bollard/colors-bollards
General Description:

The R-7972 Bike Bollard features a slim, eclectic design free of protruding locking arms—suitable for dense urban areas. It balances the standard functionality of a pedestrian bollard, segregating vehicles from unobstructed foot traffic, while offering unique and secure bicycle storage. Cylindrical cavities pass through the vertical shaft to accommodate chains and U-locks to secure up to 2 bikes at a time. Cylindrical holes are angled to prevent collection of dust/debris and are spaced to accommodate bikes of varying sizes. R-7972 Bike Bollards are made from carbon steel and powder coated in 1 of 6 custom colors. Select from a range of mounting options: bolt-down flange, in-ground embed, fold-down and removable mountings.

For more information on bollard post installation, please visit: www.reliance-foundry.com/bollard/installation-bollards

Specifications:

- Height: 36" (Above Grade)
- Base Diameter: 4 3/8"
- Weight: 35 lbs (Bollard Post Full Length)
- Material: Steel (ASTM A36)
- Finish Options:
  - Polyester Powdercoated
  - See Reliance Foundry's standard color options at www.reliance-foundry.com/bollard/colors-bollards

Mount Options:

- Removable Receiver with Lid
  (see sheet 2 of 6)
- Removable Receiver with Chain
  (see sheet 3 of 6)
- Fixed Embedded Mount
  (see sheet 4 of 6)
- Flanged Surface Mount
  (see sheet 5 of 6)
- Fold Down Mount
  (see sheet 6 of 6)

Notes:

- Embedment details are for reference illustration only. Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
- Bollard post is provided as shown, with material detailed in legend below. Concrete, foundation and/or installation ordered separately or provided by others.
- This drawing is not drawn to scale. Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
- Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.

<table>
<thead>
<tr>
<th>PARTS LIST</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>R7972 Removable Bollard</td>
<td>R7972 Removable Assembly Steel Powder Coated</td>
<td>35 lbs</td>
</tr>
<tr>
<td>2</td>
<td>R7901R Receiver</td>
<td>R7901R Receiver Assembly w/ Lid Galvanized Steel w/ 316 Stainless Steel Cover</td>
<td>24 lbs</td>
</tr>
<tr>
<td>3</td>
<td>Padlock (Optional)</td>
<td>Optional Padlock (Brass or Stainless Steel) Choice of Brass or Stainless Steel</td>
<td>5/8 lbs</td>
</tr>
</tbody>
</table>

This drawing is not drawn to scale. Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
**Bollard Post, Model R-7972**

**Removable Receiver with Chain**

(For important detail regarding installation with OPTIONAL bollard chain accessories, refer to sheet 7 of 7)

**Notes:**
- Embedment details are for reference illustration only. Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
- Bollard post is provided as shown, with material detailed in legend below. Concrete, foundation and/or installation ordered separately or provided by others.
- This drawing is not drawn to scale. Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
- Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.

### Parts List

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>R7972 Removable</td>
<td>Bollard R7972 Removable Assembly</td>
<td>Steel Powder Coated</td>
<td>35 lbs</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>R7902R Receiver</td>
<td>R7902R Receiver Assembly</td>
<td>Galvanized Steel, w/ 304 Stainless Steel Chain</td>
<td>16 lbs</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>Padlock (Optional)</td>
<td>Optional Padlock (Brass or Stainless Steel)</td>
<td>Choice of Brass or Stainless Steel</td>
<td>5/8 lbs</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>R7902RC Receiver Cover (Optional)</td>
<td>Optional R7902RC Receiver Cover</td>
<td>304 Stainless Steel</td>
<td>2 lbs</td>
</tr>
</tbody>
</table>

### General Description:

The R-7972 Bike Bollard features a slim, eclectic design free of protruding locking arms—suitable for dense urban areas. It balances the standard functionality of a pedestrian bollard, segregating vehicles from unobstructed foot traffic, while offering unique and secure bicycle storage. Cylindrical cavities pass through the vertical shaft to accommodate chains and U-locks to secure up to 2 bikes at a time. Cylindrical holes are angled to prevent collection of dust/debris and are spaced to accommodate bikes of varying sizes. R-7972 Bike Bollards are made from carbon steel and powder coated in 1 of 6 custom colors. Select from a range of mounting options: bolt-down flange, in-ground embed, fold-down and removable mountings.

For more information on bollard post installation, please visit: [www.reliance-foundry.com/bollard/installation-bollards](http://www.reliance-foundry.com/bollard/installation-bollards)

### Specifications:

- **Height:** 36" (Above Grade)
- **Base Diameter:** 4 3/8"
- **Weight:** 35 lbs (Bollard Post Full Length)
- **Material:** Steel (ASTM A36)

### Finish Options:
- Polyester Powdercoated
  - See Reliance Foundry's standard color options at [www.reliance-foundry.com/bollard/colors-bollards](http://www.reliance-foundry.com/bollard/colors-bollards)

### Mount Options:
- Removable Receiver with Lid (see sheet 2 of 6)
- Removable Receiver with Chain (see sheet 3 of 6)
- Fixed Embedded Mount (see sheet 4 of 6)
- Flanged Surface Mount (see sheet 5 of 6)
- Fold Down Mount (see sheet 6 of 6)
General Description:

The R-7972 Bike Bollard features a slim, eclectic design free of protruding locking arms—suitable for dense urban areas. It balances the standard functionality of a pedestrian bollard, segregating vehicles from unobstructed foot traffic, while offering unique and secure bicycle storage. Cylindrical cavities pass through the vertical shaft to accommodate chains and U-locks to secure up to 2 bikes at a time. Cylindrical holes are angled to prevent collection of dust/debris and are spaced to accommodate bikes of varying sizes. R-7972 Bike Bollards are made from carbon steel and powder coated in 1 of 6 custom colors. Select from a range of mounting options: bolt-down flange, in-ground embed, fold-down and removable mountings.

For more information on bollard post installation, please visit: www.reliance-foundry.com/bollard/installation-bollards

Specifications:

- Height: 36" (Above Grade)
- Base Diameter: 4 3/8"
- Weight: 35 lbs (Bollard Post Full Length)
- Material: Steel (ASTM A36)
- Finish Options:
  - Polyester Powdercoated
  - See Reliance Foundry’s standard color options at www.reliance-foundry.com/bollard/colors-bollards

Mount Options:

- Removable Receiver with Lid
  (see sheet 2 of 6)
- Removable Receiver with Chain
  (see sheet 3 of 6)
- Fixed Embedded Mount
  (see sheet 4 of 6)
- Flanged Surface Mount
  (see sheet 5 of 6)
- Fold Down Mount
  (see sheet 6 of 6)

Notes:

- Embedment details are for reference illustration only. Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
- Bollard post is provided as shown, with material detailed in legend below. Concrete, foundation and/or installation ordered separately or provided by others.
- This drawing is not drawn to scale. Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
- Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.
General Description:

The R-7972 Bike Bollard features a slim, eclectic design free of protruding locking arms—suitable for dense urban areas. It balances the standard functionality of a pedestrian bollard, segregating vehicles from unobstructed foot traffic, while offering unique and secure bicycle storage. Cylindrical cavities pass through the vertical shaft to accommodate chains and U-locks to secure up to 2 bikes at a time. Cylindrical holes are angled to prevent collection of dust/debris and are spaced to accommodate bikes of varying sizes. R-7972 Bike Bollards are made from carbon steel and powder coated in 1 of 6 custom colors. Select from a range of mounting options: bolt-down flange, in-ground embed, fold-down and removable mountings.

For more information on bollard post installation, please visit: www.reliance-foundry.com/bollard/installation-bollards

Specifications:

- Height: 36" (Above Grade)
- Base Diameter: 4 3/8"
- Weight: 35 lbs (Bollard Post Full Length)
- Material: Steel (ASTM A36)

Finish Options:
- Polyester Powdercoated

See Reliance Foundry's standard color options at www.reliance-foundry.com/bollard/colors-bollards

Mount Options:
- Removable Receiver with Lid (see sheet 2 of 6)
- Removable Receiver with Chain (see sheet 3 of 6)
- Fixed Embedded Mount (see sheet 4 of 6)
- Flanged Surface Mount (see sheet 5 of 6)
- Fold Down Mount (see sheet 6 of 6)

Notes:

- Embedment details are for reference illustration only. Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
- Bollard post is provided as shown, with material detailed in legend below. Concrete, foundation and/or installation ordered separately or provided by others.
- This drawing is not drawn to scale. Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
- Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.

PARTS LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>R7972 Flanged Bollard</td>
<td>Steel Powder Coated</td>
<td>34 lbs</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>Button Head Bolt 1/2&quot; x 1 1/4&quot;</td>
<td>Stainless Steel</td>
<td>1/8 lbs</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>Stainless Steel Washer 1/2&quot;</td>
<td>Stainless Steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>3</td>
<td>Drop-In Concrete Insert 1/2&quot;</td>
<td>Steel Plated</td>
<td>1/8 lbs</td>
<td></td>
</tr>
</tbody>
</table>

Flanged / Surface Mount

SECTION A-A

Concrete Pavement

Grade

3/8

1/8 Wall

36

Ø4 3/8

Diameter

Bollard Post, Model R-7972

Unit 207, 6450 - 148 Street, Surrey, BC V3S 7G7, Canada
1-877-789-3245 info@reliance-foundry.com
www.reliance-foundry.com

COPYRIGHT RESERVED. THIS PLAN DRAWING AND DESIGN ARE, AND AT ALL TIMES REMAIN, THE EXCLUSIVE PROPERTY OF RELIANCE FOUNDRY CO. LTD.

NOT TO SCALE
<table>
<thead>
<tr>
<th>PARTS LIST</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>R7972 Fold Down Bollard</td>
<td>R7972 Fold Down Bollard Assembly</td>
<td>Steel Powder Coated</td>
</tr>
<tr>
<td>2</td>
<td>R7950A Fold Down Base</td>
<td>R7950A Fold Down Base Assembly</td>
<td>Steel HDG</td>
</tr>
<tr>
<td>3</td>
<td>Button Head Bolt 3/8&quot; x 1&quot;</td>
<td>Hexagon Socket Button Head Cap Bolt 3/8&quot; x 1&quot; - requires 7/32&quot; hex key</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>4</td>
<td>O-Ring 3/8&quot;</td>
<td>Nitrile Rubber O-Ring 3/8&quot;</td>
<td>Nitrile Rubber</td>
</tr>
<tr>
<td>5</td>
<td>Hex Nut Nylon Lock 3/8&quot;</td>
<td>Hex Nut Nylon Lock 3/8&quot; - requires 9/16&quot; wrench</td>
<td>Steel Plated Nylon Lock</td>
</tr>
<tr>
<td>6</td>
<td>Button Head Bolt 1/2&quot; x 1 1/4&quot;</td>
<td>Hexagon Socket Button Head Cap Bolt 1/2&quot; x 1 1/4&quot; - requires 5/16&quot; hex key</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>7</td>
<td>Stainless Steel Washer 1/2&quot;</td>
<td>Stainless Steel Washer 1/2&quot; OD 1 1/4&quot; Thick .05&quot;</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>8</td>
<td>Drop-in Concrete Insert 1/2&quot;</td>
<td>Drop-in Concrete Insert 1/2&quot; - requires 5/8&quot; x 2&quot; hole (dia. x depth)</td>
<td>Steel Plated</td>
</tr>
<tr>
<td>9</td>
<td>Padlock (Optional)</td>
<td>Optional Padlock (Brass or Stainless Steel)</td>
<td>Choice of Brass or Stainless Steel</td>
</tr>
</tbody>
</table>

**Notes:**
- Embedment details are for reference illustration only. Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
- Bollard post is provided as shown, with material detailed in legend below. Concrete, foundation and/or installation ordered separately or provided by others.
- This drawing is not drawn to scale. Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
- Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.

**General Description:**

The R-7972 Bike Bollard features a slim, eclectic design free of protruding locking arms—suitable for dense urban areas. It balances the standard functionality of a pedestrian bollard, segregating vehicles from unobstructed foot traffic, while offering unique and secure bicycle storage. Cylindrical cavities pass through the vertical shaft to accommodate chains and U-locks to secure up to 2 bikes at a time. Cylindrical holes are angled to prevent collection of dust/debris and are spaced to accommodate bikes of varying sizes. R-7972 Bike Bollards are made from carbon steel and powder coated in 1 of 6 custom colors. Select from a range of mounting options: bolt-down flange, in-ground embed, fold-down and removable mountings.

For more information on bollard post installation, please visit:
www.reliance-foundry.com/bollard/installation-bollards

**Specifications:**

- **Height:** 36" (Above Grade)
- **Base Diameter:** 4 3/8"
- **Weight:** 35 lbs (Bollard Post Full Length)
- **Material:** Steel (ASTM A36)
- **Finish Options:**
  - Polyester Powdercoated
  - See Reliance Foundry's standard color options at www.reliance-foundry.com/bollard/colors-bollards

**Mount Options:**

- Removable Receiver with Lid
  - (see sheet 2 of 6)
- Removable Receiver with Chain
  - (see sheet 3 of 6)
- Fixed Embedded Mount
  - (see sheet 4 of 6)
- Flanged Surface Mount
  - (see sheet 5 of 6)
- Fold Down Mount
  - (see sheet 6 of 6)