Surface mounted closer

4050 Series

Overview
The 4050 Series cast aluminum closer is engineered for durability and built tough to excel in the harsh environments of high frequency, high abusive traffic areas. Ideal for commercial building applications and competitive specification situations that demand a combination of quality, reliability and value. The cast aluminum door closer offers premium features like powder coating, full complement bearing, All Weather Fluid and a 25 year warranty.

Cylinder

4050-3071
Cast aluminum cylinder assembly

<table>
<thead>
<tr>
<th>Handing</th>
<th>Sizing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-handed</td>
<td>Adjustable spring size 1-6</td>
</tr>
</tbody>
</table>

Available cylinder options

| DEL      | Delayed action cylinder |

Mounting

Hinge (pull side)
Top jamb (push side)
Parallel arm (push side)
**Surface mounted closer**

**4050 Series**

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**Finishes**

**Powder coat finishes**

- 689 Aluminum
- 690 Statuary Bronze
- 691 Light Bronze
- 693 Black
- 695 Dark Bronze
- 696 Brass

150+ additional custom colors available using the RAL numbering system

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**Available finish options**

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTLPC</td>
<td>Brite metallic: Custom powder coat finish, which resembles that of US26 or US26D plated finish.</td>
</tr>
<tr>
<td>SRI</td>
<td>For installations where a higher level of protection against weather conditions, or the effects of a potentially corrosive atmosphere is required, LCN offers a special rust inhibiting (SRI) process. Ferrous metal components receive an SRI pretreatment and a standard powder coat finish of your choice, or a custom powder coat finish for a nominal additional cost. Closers treated with the SRI process exceed the 100 hour protection level available with standard LCN powder coated finishes.</td>
</tr>
</tbody>
</table>

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**Covers**

**4050-72**

- Plastic cover
  - Non-handed
  - Standard

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**Optional covers**

**4050-72ALT**

Alternate cover
- Non-handed
- Optional, sold separately (not packed with closer)

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**4050-72MC**

Metal cover
- Non-handed
- Required for plated finishes and custom powder coat finishes
- Optional
Arms

4050-3077
Regular arm
- Non-handed
- Mounts pull side or top jamb with shallow reveal
- Includes PA SHOE, 4050-62PA required for parallel arm mounting

4050-3077L
Long arm
- Non-handed
- Includes LONG ROD AND SHOE, 4050-79LR for top jamb mount
- Optional

4050-3049
Hold-open arm
- Non-handed
- Mounts pull side or top jamb with shallow reveal
- Hold-open adjustable shoe
- 4050 closer includes 4050-62PA shoe required for parallel arm mounting
- Optional

4050-3049L
Long hold-open arm
- Non-handed
- Hold-open adjustable shoe
- Includes LONG HEAD AND TUBE, 4050-3048L for top jamb mount
- Optional

4050-3077EDA
Extra duty arm
- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations

4050-3049EDA
Hold-open extra duty arm
- Handed
- Features forged, solid steel main and forearm for potentially abusive installations
- Hold-open function is adjusted at the shoe

4050-3077EDA/62G
Extra Duty Arm With 62G
- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance for use with additional door hardware such as an overhead holder

4050-3049EDA/62G
Hold-open extra duty arm with 62G
- Handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance for use with additional door hardware such as an overhead holder
- Hold-open function is adjusted at the shoe

4050-3077CNS
Cush-N-Stop® arm
- Non-handed
- Features solid forged steel main arm and forearm with stop in sofit shoe
- Optional

4050-3049CNS
HCUSH arm
- Provides hold-open function with templated stop/hold-open points
- Handle controls hold-open function
Installation accessories

**4050-18 Plate**
- Required for hinge side mount where top rail is less than 3-7/8” (98 mm)
- Requires minimum 1-3/4” (44 mm) top rail

**4050-18G Plate**
- Locates jamb mounted closer flush with top of head frame face in flush ceiling condition
- Contact LCN Product Support for minimum head frame requirement

**4050-18PA Plate**
- Required for parallel arm mounting where top rail is less than 5-3/4” (146 mm), measured from the stop
- Requires 2-1/4” (57 mm) minimum top rail

**4050-61 Blade stop spacer**
- Required to lower parallel arm shoe to clear 1/2” (13 mm) blade stop

**4050-419 Flush panel adapter**
- Provides horizontal mounting surface for parallel arm shoe on single rabatted or flush frame

**4050-62A Auxiliary shoe**
- Requires a top rail of 7-13/16” (198 mm)
- Replaces -62PA for parallel arm mounting of regular arm with overhead holder/stop
- Optional

**4050-30 Cush shoe support**
- Provides anchorage for fifth screw used with CUSH arms, where reveal is less than 3-1/16” (78 mm)

**4050-62PA PA shoe**
- Required for parallel arm mounting

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**Fasteners**
Self-reaming and tapping screws included standard

**Fastener pack options**

<table>
<thead>
<tr>
<th>Fastener Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBSRT</td>
<td>TB with self-reaming and tapping screws</td>
</tr>
<tr>
<td>WMS</td>
<td>Wood and machine screw</td>
</tr>
<tr>
<td>TBWMS</td>
<td>TB, wood and machine screw</td>
</tr>
<tr>
<td>TORX</td>
<td>TORX machine screw</td>
</tr>
<tr>
<td>TBTORX</td>
<td>TB and TORX machine screw</td>
</tr>
</tbody>
</table>

1 Specify door thickness if other than 1-3/4”
Dimensions and mounting

Hinge (pull) side mounting

Top jamb (push side) mounting
Dimensions and mounting

**Parallel arm (push side) mounting**

- 2-13/16" (72 mm)
- 15-1/2" (394 mm)
- 4-1/8" (105 mm)
- 12-7/8" (327 mm)
- 3-7/8" (98 mm)
- 5-3/4" (146 mm)

**EDA mount**

- 2-13/16" (72 mm)
- 15-13/16" (402 mm)
- 5-11/16" (145 mm)
- 12-7/8" (327 mm)
- 3-7/8" (98 mm)
- 5-3/4" (146 mm)

**CUSH**

- 2-13/16" (72 mm)
- 15-7/8" (403 mm)
- 5-11/16" (145 mm)
- 12-7/8" (327 mm)
- 3-7/8" (98 mm)
Specifications

Accessibility
Available with less than 5.0 lbs. opening force on 36” door

Certifications/approvals
- Grade 1 - ANSI A156.4
- UL 10C
- Meets BAA - Buy American Act

Degree of operation
Hinge (pull) side
Max opening: 180°
Hold open: 180°

Top jamb (push side) mount
Max opening: 180°
Hold open: 180°

Parallel arm with 62PA
Max opening: 180°
Hold open: 180°

EDA
Max opening: 180°
Hold open: 180°

Cush
Max opening: 110°
Hold open: 110°

Environmental conditions
- Approved for interior use
- Approved for exterior use (SRI coated only)
- LCN’s standard all weather fluid performs to temperature ranges from 120°F (49°C) to -30°F (-35°C)
- LCN’s powder coat finish surpasses 100 hours of salt spray which is over four times the ANSI standard for corrosion resistance.

Warranty
25 years

Standard features
- Cast iron body
- Full complement bearing
- 1-1/2” diameter piston
- 11/16” diameter double heat treated pinion journal