Surface mounted closer

1450 Series

Overview

The 1450 Series cast aluminum closer was specially designed to deliver consistent, dependable, long-term performance in frequently-used, low-abusive traffic areas. The patented design, featuring the industry’s most common hole pattern, is an excellent choice for a range of applications - from aftermarket replacement to aluminum store fronts, to new construction projects - anywhere quality, reliability and value are important.

Cylinder

1450-3071
Cast aluminum cylinder assembly

Handing     Sizing
Non-handed  Adjustable spring size 1-6

Available cylinder options

<table>
<thead>
<tr>
<th>DEL</th>
<th>Delayed action cylinder</th>
</tr>
</thead>
</table>

Mounting

Hinge (pull side)       Top jamb (push side)
Parallel arm (push side)
Finishes

Powder coat finishes

<table>
<thead>
<tr>
<th>Code</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>689</td>
<td>Aluminum</td>
</tr>
<tr>
<td>690</td>
<td>Statuary Bronze</td>
</tr>
<tr>
<td>691</td>
<td>Light Bronze</td>
</tr>
<tr>
<td>693</td>
<td>Black</td>
</tr>
<tr>
<td>695</td>
<td>Dark Bronze</td>
</tr>
<tr>
<td>696</td>
<td>Brass</td>
</tr>
</tbody>
</table>

Available finish options

- **MTLPC**: Brite metallic: Custom powder coat finish, which resembles that of US26 or US26D plated finish.
- **SRI**: 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.

Covers

Standard cover

<table>
<thead>
<tr>
<th>Code</th>
<th>Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>1450-72</td>
<td>Slim line plastic cover</td>
</tr>
</tbody>
</table>

Optional covers

- **1450-72MC**: Metal cover
  - Handed
  - Optional
- **1450-72FC**: Full plastic cover
  - Non-handed
  - Optional
- **1450-72ALT**: Alternate cover
  - Non-handed
  - Optional, sold separately (not packed with closer)
Arms

1450-3077
Regular arm w/PA
- Non-handed
- Mounts hinge side or top jamb
- Includes PA SHOE, 1450-62PA required for parallel arm mounting

1450-3077L
Long arm
- Non-handed
- Mounts hinge side or top jamb
- Includes PA SHOE, 1450-79LR for top jamb mount with deep reveals
- Optional

1450-3049
Hold-open arm w/PA
- Non-handed
- Mounts hinge side, top jamb or parallel arm (62PA required)
- Hold-open adjustable at shoe
- Optional

1450-3049L
Long hold-open arm
- Non-handed
- Includes LONG ROD AND SHOE, 1450-79LR for top jamb mount with deep reveals
- Optional

1450-3077EDA
Extra duty arm
- Non-handed
- Features solid forged steel main and forearm for potentially abusive installations
- Optional 1450-3077EDA/G for blade stop clearance

1450-3077EDA/62G
Extra duty arm with 62G
- Non-handed
- Features solid forged steel main and forearm for potentially abusive installations
- Optional 1450-3077EDA/G for blade stop clearance

1450-3049EDA
Hold-open extra duty arm
- Handed
- Provides hold-open function adjustable at shoe
- Optional

1450-3077CNS
Cush-n-Stop® Arm
- Non-handed
- Features solid forged steel main arm and forearm with spring loaded stop in soffit shoe
- Optional

1450-3049CNS
HCUSH Arm
- Non-handed
- Provides hold-open function with templated stop/hold-open points
- Handle controls hold-open function
- Optional

1450-3077SCNS
Spring CUSH arm
- Non-handed
- For abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
- Optional

1450-3049SCNS
Spring HCUSH arm
- Non-handed
- For abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
- Handle controls hold-open function
- Optional
Installation accessories

1450-18 / 1450-18FC Plate
- Required for hinge side mount where top rail is less than 2-1/2” (64 mm)
- Required for top jamb mounting where head frame is less than 1-3/4” (44 mm) or flush ceiling condition exists
- Requires minimum 1-1/2” (38 mm) minimum top rail or 1-1/4” (32 mm) head frame
- With full cover, use plate 1450-18FC

1450-18PA / 1450-18PAFC Plate
- Required for parallel arm mounting where top rail is less than 4-3/8” (111 mm), measured from the stop
- Requires 1-3/4” (44 mm) minimum top rail
- With full cover, use plate 1450-18FC

1450-30 CUSH shoe support
- Provide anchorage for fifth screw used with CUSH arms where reveal is less than 3-1/16” (78 mm)

1450-61 Blade stop spacer
- Lowers parallel arm shoe to clear 1/2” (13 mm) blade stop.

1450-62PA PA shoe
- Required for parallel arm mounting

1450-62A Auxiliary shoe
- Requires a top rail of 7” (178 mm). Optional shoe replaces -62PA for parallel arm mounting of regular arm with overhead holder/stop

1450-419 PA flush panel adapter
- Provides horizontal mounting surface for PA, EDA or CUSH shoe on single rabbeted or flush frame

Fasteners
Universal screw pack (UNIV) included standard

Fastener pack options

<table>
<thead>
<tr>
<th>TORX</th>
<th>TORX Machine Screw</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBTORX</td>
<td>TB(^1) 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

EDA/HEDA mount

CUSH/HCUSH/SCUSH /SHCUSH mount
## Specifications

<table>
<thead>
<tr>
<th>Accessibility</th>
<th>Available with less than 5.0 lbs. opening force on 36˝ door</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certifications/approvals</td>
<td>- Grade 1 - ANSI A156.4</td>
</tr>
<tr>
<td></td>
<td>- UL 10C</td>
</tr>
<tr>
<td></td>
<td>- Meets BAA - Buy American Act</td>
</tr>
<tr>
<td>Degree of operation</td>
<td>Hinge (pull) side</td>
</tr>
<tr>
<td></td>
<td>Max opening: 180°</td>
</tr>
<tr>
<td></td>
<td>Hold open: 180°</td>
</tr>
<tr>
<td></td>
<td>Top jamb (push side) mount</td>
</tr>
<tr>
<td></td>
<td>Max opening: 180°</td>
</tr>
<tr>
<td></td>
<td>Hold open: 180°</td>
</tr>
<tr>
<td></td>
<td>Parallel arm with 62PA</td>
</tr>
<tr>
<td></td>
<td>Max opening: 180°</td>
</tr>
<tr>
<td></td>
<td>Hold open: 180°</td>
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<tr>
<td></td>
<td>EDA</td>
</tr>
<tr>
<td></td>
<td>Max opening: 180°</td>
</tr>
<tr>
<td></td>
<td>Hold open: 180°</td>
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<tr>
<td></td>
<td>Cush</td>
</tr>
<tr>
<td></td>
<td>Max opening: 110°</td>
</tr>
<tr>
<td></td>
<td>Hold open: 110°</td>
</tr>
<tr>
<td>Environmental conditions</td>
<td>Approved for interior use</td>
</tr>
<tr>
<td></td>
<td>Approved for exterior use (SRI coated only)</td>
</tr>
<tr>
<td></td>
<td>LCN's standard all weather fluid performs to temperature ranges from 120°F (49°C) to -30°F (-35°C)</td>
</tr>
<tr>
<td></td>
<td>LCN's powder coat finish surpasses 100 hours of salt spray which is over four times the ANSI standard for corrosion resistance.</td>
</tr>
<tr>
<td>Warranty</td>
<td>25 years</td>
</tr>
<tr>
<td>Standard features</td>
<td>Cast iron body</td>
</tr>
<tr>
<td></td>
<td>Full complement bearing</td>
</tr>
<tr>
<td></td>
<td>1-1/4˝ diameter piston</td>
</tr>
<tr>
<td></td>
<td>5/8˝ diameter single heat treated pinion journal</td>
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</tbody>
</table>