Product selection guide

Surface mounted 1000 Series LCN closers feature a modern slim line design for easy installation on narrow head frames and top rails. This guide is based on the desired mounting of the closer. NOTE: For parallel mounts order “P” version to also receive PA Shoe.

Product comparison

This chart shows a basic comparison of LCN 1000 Series closers. Refer to the specific closer chapter for complete details.

<table>
<thead>
<tr>
<th>MOUNTING</th>
<th>FINISH</th>
<th>COVER</th>
<th>CYLINDER</th>
<th>*ARM FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hinge (pull)</td>
<td>P.P.E.</td>
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<tr>
<td>Top Jamb (push)</td>
<td>P.P.E.</td>
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<tr>
<td>Top Jamb (pull)</td>
<td>P.P.E.</td>
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<tr>
<td>Parallel Arm</td>
<td>P.P.E.</td>
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<tr>
<td>Stop Face</td>
<td>P.P.E.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>PAINT</th>
<th>POWDER CoAT</th>
<th>PLATED</th>
<th>PLASTIC</th>
<th>METAL</th>
<th>DESIGNER SERIES</th>
<th>NON-HANDED</th>
<th>NON-SIZED</th>
<th>ACCESSIBIliTY</th>
<th>DELAYED ACTION</th>
<th>REGULAR DOUBLE</th>
<th>STANDARD</th>
<th>SMOKE/SMOKE</th>
<th>HEAVY DUTY</th>
<th>HOLD OPEN</th>
<th>ECONOMICAL</th>
<th>CUSH</th>
<th>CUSH RHUSH</th>
<th>SOCH/SHCUSH</th>
</tr>
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</tbody>
</table>

Closer available with less than 5.0 lbs. opening force on 36” door.

* Maximum opening/hold-open point with standard template. See individual closer series for degrees of opening per installation.

D = For designer series only.
APPLICATIONS
- For aluminum, hollow metal, or wood swinging doors and frames.
- Can be used with hinge or pivot mounted door.
- Mounts on 1-3/4” transom without adapter plates.
- Adapter plates and other installation accessories available for unusual conditions.

FEATURES COMMON TO 1000 SERIES
- 1000 series closers mount three ways. Closers with regular or hold-open arm mount hinge side or top jamb. Parallel arm, closers include - 62PA SHOE required for parallel arm mount. 1460T mounts hinge side, top jamb (pull side) and stop face.
- Non-handed for right and left swinging doors.
- Closers to meet ADA reduced opening force requirements.
- Adjustable hydraulic backcheck cushions opening swing prior to 90°.
- Separate regulation of general closing speed and latching speed.
- Joints in arm and shoe adapt to uneven trim.
- Reversible shoe to boost latching power on double lever arms.

DESIGN ASSISTANCE
LCN has been providing reliable solutions to unique door control problems since 1925. Design and specification assistance are only a phone call away. Contact LCN for assistance or technical information at 877-671-7011 or FAX 800-248-1460 (Order Entry). Fax 815-879-1495 for Product Support.

WARRANTY
- 30 year limited warranty (1460 Series) and 20 year limited warranty (1260 Series) on cast iron closers.
- 15 year limited warranty (1250 series) and 25 year limited warranty (1450 series) on cast aluminum closers.
See General Information Section for complete warranty details.

SPECIFICATIONS
Refer to “SPECIFICATIONS” section for suggested architectural specifications.

MATERIALS
- High strength cast iron (1260, 1460, 1460T) or cast aluminum (1250, 1450) cylinder.
- Forged steel main arm for all EDA, Cush, 1460HD and 1460T Arms.
- One piece forged steel piston.
- Heat treated pinion.
- LCN’s standard all weather fluid performs to temperature ranges from 120°F (49°C) to -30°F (-35°C).
- High efficiency, full complement, low friction bearings.
- Tamper resistant regulating screws.
- Full rack and pinion hydraulic action.
- Quiet, low friction track and roller combination for all single lever arm closers.

FINISHES
- Available in six standard or a wide selection of optional custom powder coat finishes to blend with door and frame.
- LCN’s powder coat finish surpasses 100 hours of salt spray which is over four times the ANSI standard for corrosion resistance.
- Painted finishes on cast aluminum closers (1250, 1450).
- For installations where a higher level of corrosion resistance is required, LCN offers an optional special rust inhibiting (SRI) pre-treatment (cast iron). Closers that combine the exclusive LCN powder coat finish and the SRI pre-treatment exceed the ANSI standard for corrosion resistance even further.
- Plated finishes are available as an option to accent door and frame for the 1460 Series closers.

LISTINGS & APPROVALS
UL listed for self-closing doors without hold-open under “SWINGING DOOR CLOSERS” (GVEV) file R 1943. Tested and certified under ANSI Standard A156.4 grade one. Consult factory for details. Consult factory for other listings such as; cUL, California State Fire Marshall, Bureau of Standards and Appeals.

POSITIVE PRESSURE
LCN closers have been certified for three hours by UL to be in compliance with UL 10 C. Contact LCN for specific details on door closer fire ratings.

FASTENERS
1260, 1460, 1460T series closers are shipped with: A standard SELF-REAMING and TAPPING SCREW (SRT) pack that contains Phillips head SRT screws to install the closer. 1250 and 1450 series closers are shipped with: A universal screw pack to include self reaming and tapping screws (SRT), machine screws and wood screws. Standard LCN thru bolts (TB) can be installed on 1-3/4” (44 mm) thick doors with 1/4-20 machine screws. Optional thru bolt (TB) sizes are available for 1-5/8” (41 mm) or 1-3/8” (35 mm) door thickness, but this must be specified when ordering.

![Diagram of a closer installation](image)

Notes:
1. For Thru Bolts, specify door thickness if other than 1-3/4” (44 mm). Represented in diagram as dimension “X”.
2. Phillips head, metric machine screws are available, please specify.
3. LCN recommends the use of wood screws in wood door applications.

MAINTENANCE
Closers mounted according to LCN installation instructions require no periodic maintenance or adjustments.
The 1250 Series cast aluminum closer is designed for low-frequency and low abusive traffic areas. This cast aluminum closer is ideal for aluminum storefronts, interior offices and many other applications. Combining dependable operation, low maintenance and a patented stylish look - with or without the optional slim line cover. And with the most common hole pattern in the industry, the 1250 Series is the perfect choice for easy aftermarket replacement.

### Certifications
- Grade 1 - ANSI A156.4, UL 10C, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act

### Body Construction
- Cast Aluminum Body
- Full Complement Bearing
- 1-3/8” Diameter Piston
- 5/8” Diameter Single Heat Treated Pinion Journal

### Fluid
- All Weather Fluid

### Handing
- Non-Handed

### Templating
- Peel-n-Stick templates - 3/4” x 9-1/16” Mounting Hole Pattern

### Size
- Adjustable Spring Size 1-5

### Warranty
- 15 years

### Cover
- Slim Line Cover, Optional

### Fasteners
- Universal Screw Pack (UNIV)

### Mounting
- Hinge (Pull Side), Top Jamb (Push Side), Parallel Arm (Push Side)

### Arms
- Tripack includes Regular, Top Jamb, and Parallel Arm (Rw/PA)

### Finishes/Colors/
- Powder Coat
  - Aluminum (689)
  - Statuary Bronze (690)
  - Light Bronze (691)
  - Black (693)
  - Dark Bronze (695)
  - Brass (696)
  - Custom colors optional

| Optional SRI primer - powder coat only |

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**Special Templates**

Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.

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**Features**

- **PLASTIC**
- **METAL**
- **COVER**
- **CYLINDER**
- **ARM FUNCTION**

- Closer available with less than 5.0 lbs. opening force on 36” door.
- Maximum opening/hold-open point with standard template.
### Mounting details

#### Hinge (Pull) Side Mounting

- **Butt Hinges:** Should not exceed 5” (127 mm) in width
- **Auxiliary Stop:** Recommended at hold-open point or where a door cannot swing 180°
- **Reveal:** Should not exceed 3/4” (19 mm) for regular arm or 1/2” (13 mm) for hold-open arm
- **Top Rail:** Less than 2-3/8” (60 mm) requires PLATE, 1250-18
- ** Clearance:** 3-1/16” (78 mm) behind door required for installation.

#### Maximum opening

<table>
<thead>
<tr>
<th>Angle</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°</td>
<td>6-11/16” (170mm)</td>
<td>12-7/16” (316 mm)</td>
</tr>
<tr>
<td>101° to 120°</td>
<td>5-11/16” (144mm)</td>
<td>11-7/16” (291 mm)</td>
</tr>
<tr>
<td>or *121° to 180°</td>
<td>3-1/16” (78 mm)</td>
<td>8-15/16” (227 mm)</td>
</tr>
</tbody>
</table>

*Hold-open points up to maximum opening with hold-open arm

*Frame and trim permitting.*
Butt Hinges

Should not exceed 5” (127 mm) in width

Auxiliary Stop

Recommended at hold-open point or where a door cannot swing 180°

<table>
<thead>
<tr>
<th>Reveal</th>
<th>Arm Type</th>
<th>Maximum Reveal</th>
<th>Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Regular Arm</td>
<td>0” to 5”</td>
<td>180°</td>
</tr>
<tr>
<td></td>
<td>Long Arm</td>
<td>4” to 8”</td>
<td>165°</td>
</tr>
<tr>
<td></td>
<td>Hold-Open Arm</td>
<td>0” to 2-3/4”</td>
<td>180°</td>
</tr>
<tr>
<td></td>
<td>Long Hold-Open Arm</td>
<td>2” to 6-1/2”</td>
<td>180°</td>
</tr>
</tbody>
</table>

Top Rail

Requires 1-3/4” (44 mm) minimum. 2-1/2” (64 mm) minimum with closer on PLATE, 1250-18

Head Frame

Less than 1-3/4” (44 mm) requires PLATE, 1250-18. For flush ceiling condition with 2” (51 mm) head frame, use PLATE, 1250-18. (Plate requires 1-3/8” (35 mm) minimum.)

Maximum opening

100°:

\[ A = \frac{7-3/16}{2} \text{” (183 mm)} \]
\[ B = \frac{12-15/16}{2} \text{” (329 mm)} \]

101° to 120°:

\[ A = \frac{5-11/16}{2} \text{” (144 mm)} \]
\[ B = \frac{11-7/16}{2} \text{” (291 mm)} \]

or *121° to 180°:

\[ A = \frac{3-1/16}{2} \text{” (78 mm)} \]
\[ B = \frac{8-15/16}{2} \text{” (227 mm)} \]

Hold-open points up to maximum opening with hold-open arm

*Frame and trim permitting.
The 'A' dimension refers to the edge of the closer body to the center line of pivot or hinge.
The 'B' dimension refers to the edge of the closer shoe bracket to the center line of pivot or hinge.

### Butt Hinges
Should not exceed 5˝ (127 mm) in width

### Auxiliary Stop
Recommended at hold-open point, where a door cannot swing 180°, or where CUSH-N-STOP arm is not used

### Top Rail
Less than 4-1/2˝ (114 mm) measured from the stop requires PLATE, 1250-18PA

### Clearance
1250-62PA shoe projects 4-1/8˝ (105 mm) from door face

### Stop Width
Minimum 1˝ (25 mm)

### Blade Stop
Clearance, requires 1/2˝ (13 mm) BLADE STOP SPACER, 1250-61

### Auxiliary Shoe
1250-62A allows installation of regular arm with overhead holder/stop

### Maximum opening
Regular or hold-open arm can be templated to
100°:
- A = 7-5/16˝ (186 mm)
- B = 8-5/8˝ (219 mm)

or 101° to 130°:
- A = 5-13/16˝ (148 mm)
- B = 7-1/8˝ (181 mm)

or *131° to 180°:
- A = 3-13/16˝ (97 mm)
- B = 5-1/8˝ (130 mm)

Hold-open points up to maximum opening with hold-open arm.
*Frame and trim permitting.

**Note:**
- 1250 Parallel arm closer includes 1250-201 FIFTH HOLE SPACER to support PA SHOE
1250 Series
Mounting details
EDA and CUSH-N-STOP mounting

EDA mount

CUSH/SCUSH mount

The 'A' dimension refers to the edge of the closer body to the center line of pivot or hinge.
The 'B' dimension refers to the edge of the closer shoe bracket to the center line of pivot or hinge.

<table>
<thead>
<tr>
<th>Clearance</th>
<th>1250-62EDA or CUSH shoe projects 5-11/16˝ (144mm) from door face</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head Frame</td>
<td>Flush or rabbeted requires CUSH FLUSH PANEL ADAPTER, 1250-419</td>
</tr>
<tr>
<td>EDA or CUSH ARM</td>
<td>Requires soffit SHOE SUPPORT, 1250-30 for fifth screw anchorage where reveal is less than 2-3/4˝ (70mm)</td>
</tr>
<tr>
<td>Spring CUSH</td>
<td>Dead stop points are approximately 5° more than templated stop point.</td>
</tr>
<tr>
<td>Maximum opening</td>
<td>EDA template allows 180°. Hold-open point up to maximum opening</td>
</tr>
<tr>
<td></td>
<td>CUSH arms can be templated for maximum opening/hold-open point at 85°</td>
</tr>
<tr>
<td>100°</td>
<td>A = 7-5/16˝ (186mm) B = 9˝ (229 mm)</td>
</tr>
<tr>
<td>or 130°</td>
<td>A = 5-13/16˝ (148 mm) B = 7-1/2˝ (191 mm)</td>
</tr>
<tr>
<td>or 180°</td>
<td>A = 3-13/16˝ (97 mm) B = 5-1/2˝ (140 mm)</td>
</tr>
<tr>
<td>85°</td>
<td>A = 8-13/16˝ (224 mm) B = 10-1/2˝ (267 mm)</td>
</tr>
<tr>
<td>90°</td>
<td>A = 8-1/16˝ (205 mm) B = 9-3/4˝ (248 mm)</td>
</tr>
<tr>
<td>100°</td>
<td>A = 6-13/16˝ (170 mm) B = 8-3/8˝ (213 mm)</td>
</tr>
<tr>
<td>105°</td>
<td>A = 6-1/16˝ (154 mm) B = 7-3/4˝ (197 mm)</td>
</tr>
<tr>
<td>110°</td>
<td>A = 5-7/16˝ (138 mm) B = 7-1/8˝ (181 mm)</td>
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</tbody>
</table>

Note:
- 1250 closers ordered with EDA, CUSH or SPRING CUSH arms include 1250-201 FIFTH HOLE SPACER to support the shoe
1250 Series

Accessories

Cylinders

- **1250-3071**
  - Cast Aluminum Cylinder Assembly
  - Non-handed
  - Standard

Installation Accessories

- **1250-18**
  - Plate
  - Required for hinge side mount where top rail is less than 2-3/8” (60mm)
  - 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

- **1250-18PA**
  - Plate
  - Required for parallel arm mounting where top rail is less than 4-1/2” (114mm), measured from the stop
  - Requires 1-3/4” (44 mm) minimum top rail

- **1250-62A**
  - Auxiliary Shoe
  - Requires a top rail of 7-1/8” (181mm). Optional shoe replaces -62PA for parallel arm mounting of regular arm with overhead holder/stop

- **1250-419**
  - PA Flush Panel Adapter
  - Provides horizontal mounting surface for PA, EDA or CUSH shoe on single rabbeted or flush frame

- **1250-62PA**
  - PA Shoe
  - Required for parallel arm mounting

Covers

- **1250-72**
  - Slim Line Plastic Cover
  - Non-handed
  - Optional

- **1250-30**
  - CUSH Shoe Support
  - Provide anchorage for fifth screw used with CUSH arms where reveal is less than 2-3/4” (70mm)

- **1250-61**
  - Blade Stop Spacer
  - Lowers parallel arm shoe to clear 1/2” (13 mm) blade stop

1250 Series

Accessories
### Arms

**1250-3077**  
Regular Arm w/PA  
- Non-handed  
- Mounts hinge side or top jamb  
- Parallel Arm includes PA SHOE, 1250-62PA required for parallel arm mounting

**1250-3077L**  
Long Arm  
- Non-handed  
- Includes LONG ROD AND SHOE, 1250-79LR for top jamb mount with deep reveals  
- Optional

**1250-3077EDA**  
Extra Duty Arm  
- Non-handed  
- Features solid forged steel main and forearm for potentially abusive installations  
- Optional

**1250-3049EDA**  
Hold-Open Extra Duty Arm  
- Handed  
- Provides hold-open function adjustable at shoe  
- Optional

**1250-3049**  
Hold-Open Arm w/ PA  
- Non-handed  
- Mounts hinge side, top jamb or parallel arm (62PA required)  
- Hold-open adjustable at shoe  
- Optional

**1250-3049L**  
Long Hold-Open Arm  
- Non-handed  
- Includes LONG HEAD AND TUBE, 1250-3048L for top jamb mount with deep reveals  
- Optional

**1250-3049CNS**  
HCUSH Arm  
- Non-handed  
- Provides hold-open function with templated stop/hold-open points.  
- Handle controls hold-open function  
- Optional

**1250-3077SCNS**  
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

**1250-3049SCNS**  
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
How-to-order 1250 Series closers

Select finish
- Standard Powder Coat
- Aluminum, Dark Bronze, Statuary, Light Bronze, Black, Brass

Closer will be shipped with:
- Standard cylinder
- Tri pack arm (Rw/PA)
- Universal screw pack
  unless options listed below are selected.

Cover
- Slim line cover (SLIM)

Finish
- Custom Powder Coat (RAL)
- SRI primer

Arm
- Regular w/62PA (Rw/PA)
- Long (LONG)
- Regular w/62A (R/62A)
- Hold-Open w/62PA (Hw/PA)
- Long Hold-Open (HLONG)
- Extra Duty (EDA)
- Hold-Open Extra Duty (HEDA) - specify handing
- Cush-N-Stop (CUSH)
- HCush (HCUSH)
- Spring CUSH (SCUSH)
- Spring HCUSH (SHCUSH)

Optional screw packs
- TORX Machine Screw (TORX)
- TB* & TORX Machine Screw (TB-TORX)
  * Specify door thickness if other than 1-3/4”

Installation accessories
- Plate, 1250-18
- Plate, 1250-18PA
- CUSH Shoe Support, 1250-30
- Blade Stop Spacer, 1250-61
- Auxiliary Shoe, 1250-62A
- PA Flush Panel Adapter, 1250-419

Special template
- ST- ________

Meets Buy American Act
- BAA

Closer options

Table of sizes
- Select closer based on width of door.
- The spring power of a 1250 cylinder is field adjustable from size 1 through size 5 and is shipped adjusted to size 3.

Exterior (and Vestibule) door width

<table>
<thead>
<tr>
<th>Size</th>
<th>24” (610mm)</th>
<th>30” (762mm)</th>
<th>36” (914mm)</th>
<th>42” (1067mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1250</td>
<td>size 3</td>
<td>size 4</td>
<td>size 5</td>
<td></td>
</tr>
</tbody>
</table>

Minimum door width

Indicates recommended range of door width for closer size.
- * Adjustable Size 1 thru 5.

Interior door width

<table>
<thead>
<tr>
<th>Size</th>
<th>24” (610mm)</th>
<th>34” (864mm)</th>
<th>38” (965mm)</th>
<th>48” (1219mm)</th>
<th>54” (1372mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1250</td>
<td>size 2</td>
<td>size 3</td>
<td>size 4</td>
<td>size 5</td>
<td></td>
</tr>
</tbody>
</table>

Minimum door width

Reduced opening force 1250 Series closers

CAUTION: Any manual door closer, including those certified by BHMA to conform to ANSI Standard A156.4, that is selected, installed and adjusted based on ADA or other reduced opening force requirements may not provide sufficient power to reliably close and latch a door.

Refer to POWER OPERATORS section for information on systems that meet reduced opening force requirements without affecting closing power.
- * Maximum opening force.

<table>
<thead>
<tr>
<th>DOOR WIDTH</th>
<th>36”</th>
<th>42”</th>
<th>48”</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.5* lbs.</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
</tr>
<tr>
<td>5.0* lbs.</td>
<td>1250</td>
<td>1250</td>
<td>1250</td>
</tr>
</tbody>
</table>
The 1260 is a light to medium duty cast iron closer designed to fit into the most common commercial foot print. The 1260 is adjustable for spring sizes 1-5. The 1260 also features a complete line of regular and extra duty arms, LCN’s peel-n-stick installation templates, a convenient spring adjust pointer, and an optional Quick Fix™ bracket kit.

**Certifications**
- Grade 1 - ANSI A156.4, UL 10C, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act

**Body Construction**
- Cast Iron Body
- Full Complement Bearing
- 1-3/8” Diameter Piston
- 5/8” Diameter Single Heat Treated Pinion Journal

**Fluid**
- All Weather Fluid

**Handing**
- Non-Handed

**Templating**
- Peel-n-Stick templates - 3/4” x 9-1/16” Mounting Hole Pattern

**Size**
- Adjustable Spring Size 1-5

**Warranty**
- 20 years

**Cover**
- Slim Line Cover, Optional

**Fasteners**
- Self Reaming and Tapping Screws (SRT)

**Mounting**
- Hinge (Pull Side), Top Jamb (Push Side), Parallel Arm (Push Side)

**Arms**
- Regular Arm

**Finishes/Colors/ Powder Coat**
- Aluminum (689)
- Statuary Bronze (690)
- Light Bronze (691)
- Black (693)
- Dark Bronze (695)
- Brass (696)
- Custom colors optional
- Optional SRI primer - powder coat only

---

**Special Templates**
Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.

---

**Features**

<table>
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<tr>
<th>MOUNTING</th>
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<tbody>
<tr>
<td>HINGE/PULL SIDE</td>
<td>PLASTIC</td>
<td>DESIGNER SERIES</td>
<td>REGULAR (GUARD)</td>
<td>180°</td>
</tr>
<tr>
<td>TOP JAMB (PULL)</td>
<td>METAL</td>
<td>NON-HAIBED</td>
<td>STANDARD SINGED</td>
<td>180°</td>
</tr>
<tr>
<td>TOP JAMB (PUSH)</td>
<td></td>
<td>ACCESSIBILITY</td>
<td>HEAVY DUTY</td>
<td>180°</td>
</tr>
<tr>
<td>PARALLEL ARM</td>
<td></td>
<td>DELAYED ACTION</td>
<td>HOLD OPEN</td>
<td>180°</td>
</tr>
<tr>
<td>STOP FACE</td>
<td></td>
<td></td>
<td>IDA/IDA</td>
<td>180°</td>
</tr>
</tbody>
</table>

- Closer available with less than 5.0 lbs. opening force on 36” door.
- Maximum opening/hold-open point with standard template.
### 1260 Series

#### Mounting details

**Hinge (Pull) Side Mounting**

| Butt Hinges | Should not exceed 5” (127 mm) in width |
| Auxillary Stop | Recommended at hold-open point or where a door cannot swing 180° |
| Reveal | Should not exceed 3/4” (19 mm) for regular arm or 1/2” (13 mm) for hold-open arm |
| Top Rail | Less than 2-1/2” (64 mm) requires PLATE, 1260-18 |
| Clearance | 2-7/8” (73 mm) behind door required for installation |
| **Maximum opening** |  |
| 110°: | A = 6-9/16” (167 mm) |
| | B = 12-7/16” (316 mm) |
| 101° to 120°: | A = 5-9/16” (141 mm) |
| | B = 11-7/16” (291 mm) |
| or *121° to 180°: | A = 3-1/16” (78 mm) |
| | B = 8-15/16” (227 mm) |
| **Hold-open points up to maximum opening with hold-open arm** |
| *Frame and trim permitting.*

---

[Diagram of 1260-18 series hinge and holder specifications]
### Butt Hinges
Should not exceed 5” (127 mm) in width

### Auxiliary Stop
Recommended at hold-open point or where a door cannot swing 180°

<table>
<thead>
<tr>
<th>Reveal</th>
<th>Arm Type</th>
<th>Maximum Reveal</th>
<th>Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Regular Arm</td>
<td>3-1/2”</td>
<td>Up to 120°</td>
</tr>
<tr>
<td></td>
<td>Regular Arm</td>
<td>2-1/4”</td>
<td>121° to 180°</td>
</tr>
<tr>
<td></td>
<td>Long Arm</td>
<td>7-1/2”</td>
<td>Up to 120°</td>
</tr>
<tr>
<td></td>
<td>Long Arm</td>
<td>3-1/2”</td>
<td>121° to 180°</td>
</tr>
<tr>
<td></td>
<td>Hold-Open Arm</td>
<td>2”</td>
<td>Up to 120°</td>
</tr>
<tr>
<td></td>
<td>Hold-Open Arm</td>
<td>2-1/4”</td>
<td>121° to 180°</td>
</tr>
<tr>
<td></td>
<td>Long Hold-Open Arm</td>
<td>4-1/2”</td>
<td>Up to 120°</td>
</tr>
<tr>
<td></td>
<td>Long Hold-Open Arm</td>
<td>4-1/2”</td>
<td>121° to 160°</td>
</tr>
</tbody>
</table>

### Top Rail
1-3/4” (44 mm) minimum. 2-1/2” (64 mm) minimum with closer on PLATE, 1260-18

### Head Frame
Less than 1-3/4” (44 mm) requires PLATE, 1260-18. For flush ceiling condition with 2” (51 mm) head frame, use PLATE, 1260-18. (Plate requires 1-3/8” (35 mm) minimum.)

<table>
<thead>
<tr>
<th>Maximum opening</th>
<th>110°: A = 7-1/16&quot; (179 mm)</th>
<th>B = 12-15/16&quot; (329 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>101° to 120°: A = 5-9/16&quot; (141 mm)</td>
<td>B = 11-7/16&quot; (291 mm)</td>
</tr>
<tr>
<td></td>
<td>or *121° to 180°: A = 3-1/16” (78 mm)</td>
<td>B = 8-15/16” (227 mm)</td>
</tr>
</tbody>
</table>

*Frame and trim permitting.
Parallel Arm (Push Side) Mounting

**Butt Hinges**
Should not exceed 5” (127 mm) in width

**Auxiliary Stop**
Recommended at hold-open point, where a door cannot swing 180°, or where CUSH-N-STOP arm is not used

**Top Rail**
Less than 4-3/8” (111 mm) measured from the stop requires PLATE, 1260-18PA

**Clearance**
1260-62PA shoe projects 4” (102 mm) from door face

**Stop Width**
Minimum 1” (25 mm)

**Blade Stop**
Clearance, requires 1/2” (13 mm) BLADE STOP SPACER, 1260-61

**Auxiliary Shoe**
1260-62A allows installation of regular arm with overhead holder/stop. Special templating required

**Maximum opening**
Regular or hold-open arm can be templated to
100°:
\[ A = 7-3/16” (183 mm) \]
\[ B = 8-5/8" (219 mm) \]

or 101° to 130°:
\[ A = 5-11/16” (144 mm) \]
\[ B = 7-1/8” (181 mm) \]

or *131° to 180°:
\[ A = 3-11/16” (94 mm) \]
\[ B = 5-1/8” (130 mm) \]

Hold-open points up to maximum opening with hold-open arm.
*Frame and trim permitting.

**Notes:**
- Optional mounting requires PA SHOE, 1260-62PA for REGULAR or HOLD-OPEN arms
- 1260 Parallel arm closer includes 1260-201 FIFTH HOLE SPACER to support PA SHOE

---

**Diagram:**
- Butt Hinges
- Auxiliary Stop
- Top Rail
- Clearance
- Stop Width
- Blade Stop
- Auxiliary Shoe
- Maximum opening dimensions

---

LCN Door Control Catalog
### EDA mount

![EDA mount diagram]

### CUSH mount

![CUSH mount diagram]

<table>
<thead>
<tr>
<th>Clearance</th>
<th>1260-62EDA or CUSH shoe projects 5-1/2” (140 mm) from door face</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head Frame</td>
<td>Flush or rabbeted requires CUSH FLUSH PANEL ADAPTER, 1260-419</td>
</tr>
<tr>
<td>EDA or CUSH ARM</td>
<td>Requires SHOE SUPPORT, 1260-30 for fifth screw anchorage where reveal is less than 3-1/16” (78 mm)</td>
</tr>
<tr>
<td>Maximum opening</td>
<td>EDA template allows 120°. Hold-open point up to maximum opening</td>
</tr>
<tr>
<td></td>
<td>CUSH arms can be templated for maximum opening/hold-open point at</td>
</tr>
<tr>
<td>90°:</td>
<td>( A = 4-13/16” ) (122 mm) ( B = 9-1/2” ) (241 mm)</td>
</tr>
<tr>
<td>85°:</td>
<td>( A = 5-5/16” ) (135 mm) ( B = 10” ) (254 mm)</td>
</tr>
<tr>
<td>90°:</td>
<td>( A = 3-5/16” ) (84 mm) ( B = 8” ) (203 mm)</td>
</tr>
<tr>
<td>85°:</td>
<td>( A = 4-11/16” ) (119 mm) ( B = 9-3/8” ) (238 mm)</td>
</tr>
<tr>
<td>100°:</td>
<td>( A = 3-9/16” ) (90 mm) ( B = 8-1/4” ) (210 mm)</td>
</tr>
<tr>
<td>110°:</td>
<td>( A = 2-13/16” ) (71 mm) ( B = 7-1/2” ) (191 mm)</td>
</tr>
</tbody>
</table>

### Note:
- 1260 closers ordered with EDA, CUSH or SPRING CUSH arms include 1260-201 FIFTH HOLE SPACER to support the shoe.
**Cylinders**

**1261(2)(3)(4)(5)-3071**
Cast Iron Cylinder Assembly
- Non-handed
- Standard

---

**1260 Series**

**Installation Accessories**

**1260-18**
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

**1260-18PA**
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

**1260-18QF**
Quick Fix™ Bracket Kit
- Optional kit includes retro-fit mounting plates for 1371 closer cylinder and shoe
- Useful in applications when previously drilled holes are damaged

**1260-30**
CUSH Shoe Support
- Provide anchorage for fifth screw used with CUSH arms where reveal is less than 3-1/16” (78 mm)

**1260-61**
Blade Stop Spacer
- Lowers parallel arm shoe to clear 1/2” (13 mm) blade stop

**1260-62A**
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

**1260-419**
PA Flush Panel Adapter
- Provides horizontal mounting surface for PA, EDA or CUSH shoe on single rabbeted or flush frame

**1260-62PA**
PA Shoe
- Required for parallel arm mounting

---

**Covers**

**1260-72**
Slim Line Plastic Cover
- Non-handed
- Optional

---

**LCN Door Control Catalog**
Arms

1260-3077
Regular Arm
- Non-handed
- Mounts hinge side or top jamb
- Parallel Arm includes PA SHOE, 1260-62PA required for parallel arm mounting

1260-3077L
Long Arm
- Non-handed
- Includes LONG ROD AND SHOE, 1260-79LR for top jamb mount with deep reveals
- Optional

1260-3049
Hold-open Arm
- Non-handed
- Mounts hinge side, top jamb or parallel arm (62PA required)
- Hold-open adjustable at shoe
- Optional

1260-3049L
Long Hold-open Arm
- Non-handed
- Includes LONG HEAD AND TUBE, 1260-3048L for top jamb mount with deep reveals
- Optional

1260-3077EDA
Extra Duty Arm
- Non-handed
- Features solid forged steel main and forearm for potentially abusive installations
- Optional 1260-3077EDA/G for blade stop clearance

1260-3049EDA
Hold-Open Extra Duty Arm
- Handed arm
- Provides hold-open function adjustable at shoe
- Optional

1260-3077CNS
Cush-n-Stop® Arm
- Non-handed
- Features solid forged steel main arm and forearm with stop in soffit shoe
- Optional

1260-3049CNS
HCUSH Arm
- Non-handed
- Provides hold-open function with templated stop/hold-open points.
- Handle controls hold-open function
- Optional
How-to-order 1260 Series closers

Select finish
- Standard Powder Coat
  - Aluminum, Dark Bronze, Statuary, Light Bronze, Black, Brass

Closer options

Cover
- Slim line cover (SLIM)

Finish
- Custom Powder Coat (RAL)
- SRI primer (for use with powder coat finishes only)

Arm
- Regular w/62PA (Rw/PA)
- Long (LONG)
- Regular w/62A (R/62A)
- Hold-Open (H)
- Hold-Open w/62PA (Hw/PA)
- Long Hold-Open (HLONG)
- Extra Duty (EDA) (optional -62G)
- Hold-Open Extra Duty (HEDA) - specify handing (optional -62G)
- Cush-N-Stop (CUSH)
- HCush (HCUSH)

Optional screw packs
- TB* w/Self-Reaming and Tapping Screws (TBSRT)
- Wood & Machine Screw (WMS)
- TB* Wood & Machine Screw (TBWMS)
- TORX Machine Screw (TORX)
- TB* & TORX Machine Screw (TBTORX)
  * Specify door thickness if other than 1-3/4”

Installation accessories
- Plate, 1260-18
- Plate, 1260-18PA
- CUSH Shoe Support, 1260-30
- Blade Stop Spacer, 1260-61
- Auxiliary Shoe, 1260-62A
- PA Flush Panel Adapter, 1260-419
- Quick Fix™ Bracket Kit, 1260-18QF

Special template
- ST- ________

Table of sizes
- Select closer based on width of door.
- The spring power of a 1261 cylinder is field adjustable from size 1 through size 5 and is shipped adjusted to size 3.

Exterior (and Vestibule) door width

<table>
<thead>
<tr>
<th>Size</th>
<th>Width</th>
<th>24”</th>
<th>30”</th>
<th>36”</th>
<th>42”</th>
</tr>
</thead>
<tbody>
<tr>
<td>24”</td>
<td>610mm</td>
<td>1261</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30”</td>
<td>762mm</td>
<td></td>
<td>1261</td>
<td></td>
<td></td>
</tr>
<tr>
<td>36”</td>
<td>914mm</td>
<td></td>
<td></td>
<td>1261</td>
<td></td>
</tr>
<tr>
<td>42”</td>
<td>1067mm</td>
<td></td>
<td></td>
<td></td>
<td>1261</td>
</tr>
</tbody>
</table>

Minimum door width
- Indicates recommended range of door width for closer size.
  * Adjustable Size 1 thru 5.

Interior door width

<table>
<thead>
<tr>
<th>Size</th>
<th>Width</th>
<th>24”</th>
<th>34”</th>
<th>38”</th>
<th>48”</th>
</tr>
</thead>
<tbody>
<tr>
<td>24”</td>
<td>610mm</td>
<td>1261</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>34”</td>
<td>864mm</td>
<td></td>
<td>1261</td>
<td></td>
<td></td>
</tr>
<tr>
<td>38”</td>
<td>965mm</td>
<td></td>
<td></td>
<td>1261</td>
<td></td>
</tr>
<tr>
<td>48”</td>
<td>1219mm</td>
<td></td>
<td></td>
<td></td>
<td>1261</td>
</tr>
</tbody>
</table>

Minimum door width

Reduced opening force 1260 Series closers

CAUTION! Any manual door closer, including those certified by BHMA to conform to ANSI Standard A156.4, that is selected, installed and adjusted based on ADA or other reduced opening force requirements may not provide sufficient power to reliably close and latch a door.

Refer to POWER OPERATORS section for information on systems that meet reduced opening force requirements without affecting closing power.

* Maximum opening force.
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.

### Certifications
- Grade 1 - ANSI A156.4, UL 10C, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act
- **Body Construction**
  - Cast Aluminum Body
  - Full Complement Bearing
  - 1-1/4” Diameter Piston
  - 5/8” Diameter Single Heat Treated Pinion Journal
- **Fluid**
  - All Weather Fluid
- **Handing**
  - Non-Handed
- ** Templating**
  - Peel-n-Stick templates - 3/4” x 12” Mounting Hole Pattern
- **Size**
  - Adjustable Spring Size 1-6
- **Warranty**
  - 25 years

### Cover
- Slim Line Plastic, Standard
- Full Plastic and Metal, Optional

### Fasteners
- Universal Screw Pack (UNIV)

### Mounting
- Hinge (Pull Side), Top Jamb (Push Side), Parallel Arm (Push Side)

### Arms
- Standard regular pull side, and top jamb

### Finishes/Colors/
Powder Coat
- Aluminum (689)
- Statuary Bronze (690)
- Light Bronze (691)
- Black (693)
- Dark Bronze (695)
- Brass (696)
- Custom colors optional
- Optional SRI primer - powder coat only

### Special Templates
Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.

- **ARM FUNCTION**
  - Available closer with less than 5.0 lbs. opening force on 36” door.
  - * Maximum opening/hold-open point with standard template. 
  - D = For designer series only.
### Mounting details

**Hinge (Pull) Side Mounting**

- **Butt Hinges**: Should not exceed 5" (127 mm) in width
- **Auxiliary Stop**: Recommended at hold-open point or where a door cannot swing 180°
- **Reveal**: Should not exceed 3/4” (19 mm) for regular arm or 1/2” (13 mm) for hold-open arm
- **Top Rail**:
  - Less than 2-1/2” (64 mm) requires PLATE, 1450-18
  - With Full cover, use PLATE, 1450-18FC. Plate requires 1-1/2” (38 mm) minimum
- **Clearance**:
  - 2-3/8” (60 mm) behind door required for installation
- **Maximum opening**:
  - 100°:  
    - A = 7” (102 mm)
    - B = 12-3/8” (314 mm)
  - 101° to 130°:  
    - A = 5-1/2” (140 mm)
    - B = 10-7/8” (276 mm)
  - 131° to 180°:  
    - A = 4” (140 mm)
    - B = 9-3/8” (238 mm)

*Hold-open points up to maximum opening with hold-open arm*  
*Frame and trim permitting.*

---

*The 'A' dimension refers to the edge of the closer body to the center line of pivot or hinge. The 'B' dimension refers to the edge of the closer shoe bracket to the center line of pivot or hinge.*
### Top Jamb (Push Side) Mounting

**Butt Hinges**
Should not exceed 5” (127 mm) in width

**Auxiliary Stop**
Recommended at hold-open point or where a door cannot swing 180°

<table>
<thead>
<tr>
<th>Reveal</th>
<th>Arm Type</th>
<th>Reveal</th>
<th>Max Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular Arm</td>
<td>5”</td>
<td>3-3/4”</td>
<td>Up to 170°</td>
</tr>
<tr>
<td>Regular Arm</td>
<td>8”</td>
<td>4-7/8”</td>
<td>Up to 155°</td>
</tr>
<tr>
<td>Long Arm</td>
<td>8”</td>
<td>4-7/8”</td>
<td>Up to 155°</td>
</tr>
<tr>
<td>Hold-Open Arm</td>
<td>2-3/4”</td>
<td></td>
<td>Up to 180°</td>
</tr>
<tr>
<td>Long Hold-Open Arm</td>
<td>2-3/4”</td>
<td>4-7/8”</td>
<td>Up to 140°</td>
</tr>
</tbody>
</table>

**Top Rail**
Requires 2-1/8” (54 mm) minimum. 3-3/8” (86 mm) minimum with closer on PLATE, 1450-18.

**Head Frame**
Less than 1-3/4” (44 mm) requires PLATE, 1450-18. For flush ceiling condition with 1-3/4” (45 mm) head frame, use PLATE, 1450-18

**Maximum opening**

<table>
<thead>
<tr>
<th>Angle</th>
<th>A (mm)</th>
<th>B (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100°</td>
<td>7 (102 mm)</td>
<td>12-3/8 (314 mm)</td>
</tr>
<tr>
<td>101° to 130°</td>
<td>5-1/2 (140 mm)</td>
<td>10-7/8 (276 mm)</td>
</tr>
<tr>
<td>131° to 180°</td>
<td>4 (102 mm)</td>
<td>9-3/8 (238 mm)</td>
</tr>
</tbody>
</table>

Hold-open points up to maximum opening with hold-open arm.

*Frame and trim permitting.

---

The ‘A’ dimension refers to the edge of the closer body to the center line of pivot or hinge. The ‘B’ dimension refers to the edge of the closer shoe bracket to the center line of pivot or hinge.
### 1450 Series

#### Mounting details

**Parallel Arm (Push Side) Mounting**

<table>
<thead>
<tr>
<th>Butt Hinges</th>
<th>Should not exceed 5” (127 mm) in width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auxiliary Stop</td>
<td>Recommended at hold-open point, where a door cannot swing 180°, or where CUSH-N-STOP arm is not used</td>
</tr>
</tbody>
</table>
| Top Rail | • Less than 5-1/4” (133 mm) measured from the soffit requires  
| | • Plate requires 1-1/4” (32 mm) minimum. |

<table>
<thead>
<tr>
<th>Cover</th>
<th>Minimum Top Rail (measured from soffit)</th>
<th>Plate Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic</td>
<td>3-1/2” (89 mm)</td>
<td>1450-18</td>
</tr>
<tr>
<td></td>
<td>2-1/4” (57 mm)</td>
<td>1450-18PA</td>
</tr>
<tr>
<td>Metal</td>
<td>3-1/2” (89 mm)</td>
<td>1450-18FC</td>
</tr>
<tr>
<td></td>
<td>2-1/4” (57 mm)</td>
<td>1450-18PAFC</td>
</tr>
</tbody>
</table>

| Clearance | 1450-62PA shoe projects 4-1/8” (105 mm) from door face |
| Head Frame | Flush or single rabbeted requires PA SHOE ADAPTER, 1450-418 |
| Stop Width | Minimum 1” (25 mm) |
| Blade Stop | Clearance, requires 1/2” (13 mm) BLADE STOP SPACER, 1450-61 |
| Auxiliary Shoe | 1450-62A allows installation of regular arm with overhead holder/stop |

| Maximum opening | Regular or hold-open arm can be templated to  
| | 120°: A = 3-3/16” (81 mm)  
| | B = 8-7/8” (225 mm)  
| | 121° to 180°: A = 11/16” (17 mm)  
| | B = 6-3/8” (162 mm)  |

Hold-open points up to maximum opening with hold-open arm.

**Notes:**
- PA shoe is included with Rw/PA Arm
- 1450 closer includes 1450-201 FIFTH HOLE SPACER to support PA SHOE
### EDA/HEDA mount

![EDA/HEDA mount diagram](image)

**Clearance**
- 1450-62EDA or CUSH shoe projects 5-11/16” (144mm) from door face

**Head Frame**
- Flush or rabbeted requires CUSH FLUSH PANEL ADAPTER, 1450-419

**EDA or CUSH ARM**
- Requires soffit SHOE SUPPORT, 1450-30 for fifth screw anchorage where reveal is less than 3-1/16” (78 mm)

**Spring CUSH**
- Dead stop points are approximately 5° more than templated stop points

**Maximum opening**
- EDA template allows 110°. Hold-open point up to maximum opening
- CUSH arms can be templated for maximum opening/hold-open point at 85°

<table>
<thead>
<tr>
<th>Angle</th>
<th>A dimension (in mm)</th>
<th>B dimension (in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>120°</td>
<td>8-7/8” (225)</td>
<td>3-3/16” (81)</td>
</tr>
<tr>
<td>85°</td>
<td>10-3/8” (279)</td>
<td>4-15/16” (140)</td>
</tr>
<tr>
<td>over 120°</td>
<td>6-3/8” (162)</td>
<td>11/16” (17)</td>
</tr>
<tr>
<td>90°</td>
<td>9-5/8” (244)</td>
<td>4-3/16” (106)</td>
</tr>
<tr>
<td>95°</td>
<td>8-7/8” (225)</td>
<td>3-7/16” (87)</td>
</tr>
<tr>
<td>100°</td>
<td>8-1/4” (210)</td>
<td>2-13/16” (71)</td>
</tr>
<tr>
<td>105°</td>
<td>7-5/8” (194)</td>
<td>2-3/16” (56)</td>
</tr>
<tr>
<td>110°</td>
<td>7” (178)</td>
<td>1-9/16” (40)</td>
</tr>
</tbody>
</table>

**Note:**
- 1450 closers ordered with EDA, CUSH or SPRING CUSH arms include 1450-201 FIFTH HOLE SPACER to support the shoe.

---

### CUSH/HCUSH/SCUSH /SHCUSH mount

![CUSH/HCUSH/SCUSH mount diagram](image)

The ‘A’ dimension refers to the edge of the closer body to the center line of pivot or hinge.

The ‘B’ dimension refers to the edge of the closer shoe bracket to the center line of pivot or hinge.
## 1450 Series

### Accessories

#### Cylinders

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1450-3071</td>
<td>Cast Aluminum Cylinder Assembly</td>
<td>Non-handed, Standard</td>
</tr>
</tbody>
</table>

#### Covers

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1450-72</td>
<td>Slim Line Plastic Cover</td>
<td>Non-handed, Standard</td>
</tr>
<tr>
<td>1450-72MC</td>
<td>Metal Cover</td>
<td>Handed, Optional</td>
</tr>
<tr>
<td>1450-72FC</td>
<td>Full Plastic Cover</td>
<td>Non-handed, Optional</td>
</tr>
</tbody>
</table>

#### Alternate Cover

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1450-72ALT</td>
<td>Alternate Cover</td>
<td>Non-handed, Optional</td>
</tr>
</tbody>
</table>

#### Installation Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1450-18 / 1450-18FC</td>
<td>Plate</td>
<td>Required for hinge side mount where top rail is less than 2-1/2” (64 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Required for top jamb mounting where head frame is less than 1-3/4” (44 mm) or flush ceiling condition exists</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Requires minimum 1-1/2” (38 mm) minimum top rail or 1-1/4” (32 mm) head frame</td>
</tr>
<tr>
<td></td>
<td></td>
<td>With full cover, use PLATE, 1450-18FC</td>
</tr>
<tr>
<td>1450-18PA / 1450-18PAFC</td>
<td>Plate</td>
<td>Required for parallel arm mounting where top rail is less than 4-3/8” (111 mm), measured from the stop</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Requires 1-3/4” (44 mm) minimum top rail</td>
</tr>
<tr>
<td></td>
<td></td>
<td>With full cover, use PLATE, 1450-18FC</td>
</tr>
<tr>
<td>1450-30</td>
<td>CUSH Shoe Support</td>
<td>Provide anchorage for fifth screw used with CUSH arms where reveal is less than 3-1/16” (78 mm)</td>
</tr>
<tr>
<td>1450-61</td>
<td>Blade Stop Spacer</td>
<td>Lowers parallel arm shoe to clear 1/2” (13 mm) blade stop</td>
</tr>
<tr>
<td>1450-62A</td>
<td>Auxiliary Shoe</td>
<td>Requires a top rail of 7” (178 mm). Optional shoe replaces -62PA for parallel arm mounting of regular arm with overhead holder/stop</td>
</tr>
<tr>
<td>1450-62PA</td>
<td>PA Shoe</td>
<td>Required for parallel arm mounting</td>
</tr>
<tr>
<td>1450-419</td>
<td>PA Flush Panel Adapter</td>
<td>Provides horizontal mounting surface for PA, EDA or CUSH shoe on single rabbeted or flush frame</td>
</tr>
</tbody>
</table>
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
- Includes LONG ROD AND 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 HEAD AND TUBE, 1450-3048L 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 w/ 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 arm
- Provides hold-open function adjustable at shoe
- Optional

1450-3049EDA/62G
Hold-Open Extra Duty Arm w/ 62G
- Handed arm
- 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
How-to-order 1450 Series closers

Select finish
- Standard Powder Coat
  - Aluminum, Dark Bronze, Statuary, Light Bronze, Black, Brass

Closer will be shipped with:
- Standard cylinder
- Standard cover
- Tri pack arm (Rw/PA)
- Universal screw pack
  unless options listed below are selected.

Closer options

Cover
- Full Plastic (FC)
- Metal (specify right or left hand) (MC)
- Alternate Cover (ALT) (sold separately from product)

Finish
- Custom Powder Coat (RAL)
  (Metal cover required)
- SRI primer

Optional screw packs
- TORX Machine Screw (TORX)
- TB* & TORX Machine Screw (TBTORX)
  * Specify door thickness if other than 1-3/4”

Arm
- Regular w/62PA (Rw/PA)
- Long (LONG)
- Regular w/62A (Rw/62A)
- Hold-Open w/62PA (Hw/PA)
- Long Hold-Open (HLONG)
- Extra Duty (EDA) (optional -62G)
- Hold-Open Extra Duty (HEDA) - specify handing
- Cush-N-Stop (CUSH)
- HHCush (HCUSH)
- Spring Cush (SCUSH)
- Spring HHCush (SHCUSH)

Installation accessories
- Plate, 1450-18
- Plate, 1450-18FC
- Plate, 1450-18PA
- Plate, 1450-18PAFC
- CUSH Shoe Support, 1450-30
- Blade Stop Spacer, 1450-61
- Auxiliary Shoe, 1450-62A
- PA Flush Panel Adapter, 1450-419

Special template
- ST-________

Meets Buy American Act
- BAA

Table of sizes

- Select closer based on width of door.
- The spring power of a 1450 cylinder is field adjustable from size 1 through size 6 and is shipped adjusted to size 3.

<table>
<thead>
<tr>
<th>Exterior (and Vestibule) door width</th>
<th>Interior door width</th>
</tr>
</thead>
<tbody>
<tr>
<td>24” (610mm)</td>
<td>30” (762mm)</td>
</tr>
<tr>
<td>size 3</td>
<td>size 4</td>
</tr>
</tbody>
</table>

Minimum door width

Indicates recommended range of door width for closer size.
* Adjustable Size 1 thru 6.

Reduced opening force 1450 Series closers

CAUTION! Any manual door closer, including those certified by BHMA to conform to ANSI Standard A156.4, that is selected, installed and adjusted based on ADA or other reduced opening force requirements may not provide sufficient power to reliably close and latch a door.

Refer to POWER OPERATORS section for information on systems that meet reduced opening force requirements without affecting closing power.

* Maximum opening force.

<table>
<thead>
<tr>
<th>DOOR WIDTH</th>
<th>36”</th>
<th>42”</th>
<th>48”</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.5* lbs.</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
</tr>
<tr>
<td>5.0* lbs.</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
</tr>
</tbody>
</table>
Designed for maximum versatility, the 1460, available with multiple cover options, can be used for both commercial and institutional applications. This fully universal closer offers a wide variety of options and fast and accurate installation.

<table>
<thead>
<tr>
<th>Certifications</th>
<th>Grade 1 - ANSI A156.4, UL 10C, ADA, 100 Hour Salt Spray, Meets BAA - Buy American Act</th>
</tr>
</thead>
</table>
| Body Construction    | ● Cast Iron Body  
● Full Complement Bearing  
● 1-1/4˝ Diameter Piston  
● 3/4˝ Diameter Single Heat Treated Pinion Journal |
| Fluid                | All Weather Fluid |
| Handing              | Non-Handed |
| Templating           | Peel-n-Stick templates - 1˝ x 7-1/2˝ Mounting Hole Pattern |
| Size                 | Adjustable Spring Size 1-6. Includes Patented Green Dial |
| Warranty             | 30 years |

### Cover
- Slim Line Plastic, Standard
- Full Plastic and Metal Designer Series, Optional

### Fasteners
Self Reaming and Tapping Screws (SRT)

### Mounting
Hinge (Pull Side), Top Jamb (Push Side), Parallel Arm (Push Side)

### Arms
Standard regular pull side, and top jamb

### Finishes/Colors/
Powder Coat
- Aluminum (689)
- Statuary Bronze (690)
- Light Bronze (691)
- Black (693)
- Dark Bronze (695)
- Brass (696)
- Custom colors optional
  - Optional SRI primer - powder coat only
  - Optional plated finishes

### Special Templates
Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.

### Diagram
- **MOUNTING**
  - Hinge (Pull Side)
  - Top Jamb (Pull)
  - Top Jamb (Push)
  - Parallel Arm
  - Stop Face
- **FINISH**
  - Plastic
  - Metal
  - Designer Series
- **COVER**
  - Non-Handed
  - Accessibility
  - Delayed Action
- **CYLINDER**
  - Regular (Double)
  - Heavy Duty
  - Hold Open
  - Edged Arch
  - Cushioned
  - Squeak/Hush

- ○ AVAILABLE
- ○ NOT AVAILABLE

* Closer available with less than 5.0 lbs. opening force on 36˝ door.

* Maximum opening/hold-open point with standard template.

D = For designer series only.
### Butt Hinges
Should not exceed 5” (127 mm) in width

### Auxiliary Stop
Recommended at hold-open point or where a door cannot swing 180°

### Reveal
Should not exceed 3/4” (19 mm) for regular arm or 1/2” (13 mm) for hold-open arm

### Top Rail
- Less than 2-1/2” (64 mm) requires PLATE, 1460-18
- With Full cover, use PLATE, 1460-18FC. Plate requires 1-1/2” (38 mm) minimum
- With Designer Series metal cover, use PLATE, 1460-18DS1

### Clearance
2-3/8” (60 mm) behind door required for installation

### Delayed Action
- Add suffix “DEL” to selected cylinder (eg. 1461 DEL)
- Delays closing from:
  - 110° to 65° (using 110° template)
  - 160° to 75° (using 180° template)
- Delay time adjustable up to approximately 1 minute

### Maximum opening
<table>
<thead>
<tr>
<th>Degree</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>110°</td>
<td>5-7/8” (149 mm)</td>
<td>10-7/8” (276 mm)</td>
</tr>
<tr>
<td>or 180°</td>
<td>2-7/8” (73 mm)</td>
<td>7-7/8” (200 mm)</td>
</tr>
</tbody>
</table>

*Hold-open points up to maximum opening with hold-open arm

*Frame and trim permitting.
**Top Jamb (Push Side) Mounting**

**Mounting details**

**Top Rail**
- Requires 1-7/8” (48 mm) minimum, 2-3/4” (70 mm) minimum with closer on PLATE, 1460-18

**Head Frame**
- Less than 1-3/4” (44 mm) requires PLATE, 1460-18. For flush ceiling condition with 2” (51 mm) head frame, use PLATE, 1460-18

**Delayed Action**
- Add suffix “DEL” to selected cylinder (eg. 1460 DEL).
- Delays closing:
  - 110° to 75° (using 110° template)
  - 180° to 95° (using 180° template)
- Delay time adjustable up to approximately 1 minute.

**Maximum opening**
- 110°:
  - A = 6-3/4” (169 mm)
  - B = 11-1/4” (286 mm)
- 101° to 120°:
  - A = 3” (76 mm)
  - B = 7-1/2” (191 mm)

Hold-open points up to maximum opening with hold-open arm.

*Frame and trim permitting.*

---

**Butt Hinges**
- Should not exceed 5” (127 mm) in width

**Auxiliary Stop**
- Recommended at hold-open point or where a door cannot swing 180°

<table>
<thead>
<tr>
<th>Reveal</th>
<th>Arm Type</th>
<th>Reveal</th>
<th>Max Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Regular Arm</td>
<td>4-7/8”</td>
<td>Up to 140°</td>
</tr>
<tr>
<td></td>
<td>Regular Arm</td>
<td>3-1/2”</td>
<td>Up to 180°</td>
</tr>
<tr>
<td></td>
<td>Long Arm</td>
<td>7”</td>
<td>Up to 140°</td>
</tr>
<tr>
<td></td>
<td>Hold-Open Arm</td>
<td>2-1/2”</td>
<td>Up to 180°</td>
</tr>
<tr>
<td></td>
<td>Long Hold-Open Arm</td>
<td>4-7/8”</td>
<td>Up to 140°</td>
</tr>
</tbody>
</table>

---

**Optional**

Non-handed Designer Series Metal Cover
1460 Series

Mounting details

Parallel Arm (Push Side) Mounting

**Butt Hinges**
Should not exceed 5” (127 mm) in width

**Auxiliary Stop**
Recommended at hold-open point, where a door cannot swing 180°, or where CUSH-N-STOP arm is not used

**Top Rail**
- Less than 4-3/8” (111 mm) measured from the stop requires PLATE, 1460-18PA. With Full cover, use PLATE, 1460-18PAFC
- Plate requires 1-3/4” (44 mm) minimum. Plate requires 1-1/4” (32 mm) minimum
- With Designer Series metal cover, use PLATE, 1460-18PADS1

**Clearance**
1460-62PA shoe projects 4” (102 mm) from door face

**Head Frame**
Flush or single rabbeted requires PA SHOE ADAPTER, 1460-419

**Stop Width**
Minimum 1” (25 mm)

**Blade Stop**
Clearance, requires 1/2” (13 mm) BLADE STOP SPACER, 1460-61

**Auxiliary Shoe**
- 1460-62A allows installation of regular arm with overhead holder/stop
- Special templating required

**Delayed Action**
- Add suffix “DEL” to selected cylinder (eg. P1460 DEL)
- Delays closing from maximum opening to approximately 75°
- Delay time adjustable up to approximately 1 minute

**Maximum opening**
Regular or hold-open arm can be templated to
100°:  
A = 4-1/4” (108 mm)  
B = 9-1/4” (235 mm)

or 180°:  
A = 1-3/4” (44 mm)  
B = 6-3/4” (171 mm)

Hold-open points up to maximum opening with hold-open arm.

**Notes:**
- Optional mounting requires PA SHOE, 1460-62PA for REGULAR or HOLD-OPEN arms. Add prefix “P” to closer description (eg. P1460)
- P1460 closer includes 1460-201 FIFTH HOLE SPACER to support PA SHOE.
EDA mount

8-5/8" (219 mm)
2-3/8" (60 mm)
5-3/2" (140 mm)
12-1/4" (311 mm)
2" (51 mm)

CUSH mount

2-3/8" (60 mm)
10-9/16" (267 mm)
5-1/2" (140 mm)
12-1/4" (311 mm)
4-1/4" (108 mm)

Mounting details

Spring CUSH
Hold open points are approximately 5° less than dead stop point.

Clearance
1460-6ZEDA or CUSH shoe projects 5-1/2” (140 mm) from door face.

Head Frame
Flush or rabbeted requires PA FLUSH PANEL ADAPTER, 1460-419.

EDA or CUSH ARM
Requires SHOE SUPPORT, 1460-30 for fifth screw anchorage where reveal is less than 3-1/16” (78 mm).

Maximum opening
EDA template allows 110°
CUSH arms can be templated for maximum opening/hold-open point at

<table>
<thead>
<tr>
<th>Angle</th>
<th>A (mm)</th>
<th>B (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>85°</td>
<td>2-3/8”</td>
<td>9-9/16”</td>
</tr>
<tr>
<td></td>
<td>(60 mm)</td>
<td>(243 mm)</td>
</tr>
<tr>
<td>90°</td>
<td>1-5/8”</td>
<td>9-1/16”</td>
</tr>
<tr>
<td></td>
<td>(41 mm)</td>
<td>(230 mm)</td>
</tr>
<tr>
<td>100°</td>
<td>5/8”</td>
<td>8-1/16”</td>
</tr>
<tr>
<td></td>
<td>(16 mm)</td>
<td>(205 mm)</td>
</tr>
</tbody>
</table>

Note:
- 1460 closers ordered with EDA, CUSH or SPRING CUSH arms include 1460-201 FIFTH HOLE SPACER to support the shoe.
### Cylinders

- **1461-3071** Cast Iron Cylinder Assembly
  - Non-handed
  - Standard

### Covers

- **1460-72** Slim Line Plastic Cover
  - Non-handed
  - Standard
- **1460-72FC** Full Cover
  - Non-handed
  - Plastic cover
  - Optional
- **1460-72DS** Designer Series Metal Cover
  - Non-handed
  - Provides complete enclosure with a stylish look
  - Required for plating and custom powder coat option
  - Optional

### Installation Accessories

- **1460-18** Plate
- **1460-18DS1** Plate
- **1460-18FC** Plate

  The following details pertain to the above plates:
  - 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, 1460-18FC
  - With Designer Series metal cover, use PLATE, 1460-18DS1

  Note: 18FC and 18DS will not work in top jamb application.

- **1460-18PA** Plate
- **1460-18PADS1** Plate
- **1460-18PAFC** Plate

  The following details pertain to the above plates:
  - 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, 1460-18PAFC
  - With Designer Series metal cover, use PLATE, 1460-18PADS1

- **1460-30** Cush Shoe Support
  - Provide anchorage for fifth screw used with CUSH arm where reveal is less than 3-1/16” (78 mm)

- **1460-30A** Mounting Bracket
  - Bracket to be used when installing cylinder body
  - Included with cylinder when ordered

- **1460-61** Blade Stop Spacer
  - Lowers parallel arm shoe to clear 1/2” (13 mm) blade stop

- **1460-62A** 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

- **1460-419** PA Flush Panel Adapter
  - Provides horizontal mounting surface for PA, EDA, or CUSH shoe on single rabbeted or flush frame

- **1460-62PA** PA Shoe
  - Required for parallel arm mounting
**Arms**

**1460-3077**
- Regular Arm
- Non-handed
- Mounts hinge side or top jamb
- P1460 closer includes PA SHOE, 1460-62PA required for parallel arm mounting

**1460-3049**
- Extra Duty Arm
- Non-handed
- Features solid forged steel main and forearm for potentially abusive installations
- Optional 1460-3077EDA/62G for blade stop clearance

**1460-3077EDA/62G**
- Extra Duty Arm with 62G
- Non-handed
- Features solid forged steel main and forearm for potentially abusive installations

**1460-3077CNS**
- Cush-N-Stop® Arm
- Non-handed
- Provides hold-open function adjustable at shoe
- Optional

**1460-3077EDA**
- Extra Duty Arm
- Non-handed
- Features solid forged steel main and forearm for potentially abusive installations

**1460-3077EDA/62G**
- Extra Duty Arm with 62G
- Non-handed
- Features solid forged steel main and forearm for potentially abusive installations

**1460-3049EDA**
- Hold-Open Extra Duty Arm
- Handed arm
- Provides hold-open function adjustable at shoe
- Optional

**1460-3049EDA/62G**
- Hold-Open Extra Duty Arm with 62G
- Handed arm
- Provides hold-open function adjustable at shoe
- Optional

**1460-3077HD**
- Heavy Duty Regular Arm
- Non-handed
- Mounts hinge side, top jamb or parallel arm
- Optional

**1460-3077HDL**
- Heavy Duty Long Arm
- Non-handed
- Includes long rod and shoe, 1460-79LR for top jamb mounts with deep reveals
- Optional

**1460-3049L**
- Long Hold-Open Arm
- Non-handed
- Mounts hinge side, top jamb or parallel arm (62PA required)
- Hold-open adjustable at shoe
- Optional

**1460-3049SHCNS**
- 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

**1460-3049SCNS**
- Spring CUSH 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

**1460-3077CNS**
- Cush-N-Stop® Arm
- Non-handed
- Provides hold-open function with templated stop/hold-open points
- Handle controls hold-open function
- Optional
### Closer options

<table>
<thead>
<tr>
<th>Cylinder</th>
<th>Cover</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delayed Action (DEL)</td>
<td>Full cover (FC)</td>
<td>Custom Powder Coat (RAL)</td>
</tr>
<tr>
<td></td>
<td>Designer series cover (DS)</td>
<td>Plated Finish, US</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SRI primer (for use with powder coat finishes only)</td>
</tr>
</tbody>
</table>

- **Arm**
  - Regular w/62PA (Rw/PA)
  - Long (LONG)
  - Regular w/62A (Rw/62A)
  - Hold-Open (H)
  - Hold-Open w/62PA (Hw/PA)
  - Long Hold-Open (HLONG)
  - Heavy Duty (HD)
  - Heavy Duty w/62A (HD/62A)
  - Heavy Duty w/62PA (HD/PA)
  - Heavy Duty Long (HDL)
  - Extra Duty Arm (EDA) (optional -62G)
  - Hold-Open Extra Duty (HEDA)
  - CUSH-N-Stop (CUSH)
  - HCush (HCUSH)
  - Spring Cush (SCUSH)
  - Spring HCush (SHCUSH)

- **Installation accessories**
  - Plate, 1460-18
  - Plate, 1460-18DS
  - Plate, 1460-18FC
  - Plate, 1460-18PA
  - Plate, 1460-18PADS
  - Plate, 1460-18PAFC
  - CUSH Shoe Support, 1460-30
  - Blade Stop Spacer, 1460-61
  - Auxiliary Shoe, 1460-62A
  - PA Flush Panel Adapter, 1460-419

- **Optional screw packs**
  - TB* w/Self-Reaming and Tapping Screws (TBSRT)
  - Wood & Machine Screw (WMS)
  - TB*, Wood & Machine Screw (TBWMS)
  - TORX Machine Screw (TORX)
  - TB* & TORX Machine Screw (TBTORX)

  * Specify door thickness if other than 1-3/4”

### Table of sizes

- Select closer based on width of door
- The spring power of a 1461 cylinder is field adjustable from size 1 through size 6 and is shipped adjusted to size 3

#### Exterior (and Vestibule) door width

<table>
<thead>
<tr>
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<tr>
<td>24&quot;</td>
<td>610mm</td>
<td>30&quot;</td>
<td>762mm</td>
<td>36&quot;</td>
<td>914mm</td>
<td>42&quot;</td>
<td>1067mm</td>
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<td>48&quot;</td>
<td>1219mm</td>
<td>*1461</td>
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</tbody>
</table>

Minimum door width

Indicates recommended range of door width for closer size.

* Adjustable Size 1 thru 5.

#### Interior door width

<table>
<thead>
<tr>
<th>Size</th>
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Minimum door width

#### Reduced opening force 1460 Series closers

**CAUTION!** Any manual door closer, including those certified by BHMA to conform to ANSI Standard A156.4, that is selected, installed and adjusted based on ADA or other reduced opening force requirements may not provide sufficient power to reliably close and latch a door.

Refer to POWER OPERATORS section for information on systems that meet reduced opening force requirements without affecting closing power.

* Maximum opening force.
The 1460T is a fully universal slim line, single lever (track) arm closer designed for interior use on narrow head frames and top rails. The modern styling and small projection make it an excellent choice for interior doors.

**Certifications**
- Grade 1 - ANSI A156.4, UL 10C, ADA, 100 Hour Salt Spray, Meets BAA • Buy American Act

**Body Construction**
- Cast Iron Body
- Full Complement Bearing
- 1-1/4” Diameter Piston
- 5/8” Diameter Single Heat Treated Pinion Journal

**Fluid**
- All Weather Fluid

**Handing**
- Non-Handed

**Templating**
- Peel-n-Stick templates - 1” x 7-1/2” Mounting Hole Pattern

**Size**
- 1460T adjustable size 2-4
- 1461T adjustable size 1-2

**Warranty**
- 30 years

**Cover**
- Slim Line, Standard
- Full Plastic or Full Metal Designers Series, Optional

**Fasteners**
- Self Reaming and Tapping Screws (SRT)

**Mounting**
- Hinge pull side, top jamb, pull stop face

**Arms**
- Single level with track roller

**Finishes/Colors/ Powder Coat**
- Aluminum (689)
- Statuary Bronze (690)
- Light Bronze (691)
- Black (693)
- Dark Bronze (695)
- Brass (696)
- Custom colors optional
- Optional SRI primer - powder coat only
- Optional plated finishes

**Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.**
### 1460T Series

#### Mounting details

**Hinge (Pull) Side Mounting**

- **Butt Hinges**: Should not exceed 5” (127 mm) in width
- **Auxiliary Stop**: Recommended where a door cannot swing 180°
  - Optional track bumper assembly assists backcheck in cushioning the opening swing of the door.
  - It is not intended to replace an auxiliary stop
- **Reveal**: Should not exceed 1/8” (3 mm)
- **Top Rail**:
  - Less than 2-1/2” (64 mm) requires PLATE, 1460T-18
  - Plate requires 1-1/2” (38 mm) minimum
  - With Full cover, use PLATE, 1460T-18FC
  - With Designer Series metal cover, use PLATE, 1460T-18DS
- **Clearance**: 2-3/8” (60 mm) behind door required for installation
- **Maximum opening**:
  - Templating allows up to 180°, trim and frame permitting, limited to 115° when optional bumper is installed
  - Consult factory if door will be held open at 180°
  - Hold-open points at 85°, 90°, 95°, 100°, 110° or 115° with hold-open tracks
  - Please note that many track style door closers are capable of allowing 180° of door swing
  - Be aware that the majority of track style closers are at their weakest closing force in the 180°-130° range
  - Consult factory for applications where an exterior or large/heavy door must swing 180°
### Butt Hinges
Should not exceed 5” (127 mm) in width

### Auxiliary Stop
- Recommended where a door cannot swing 180°
- Track bumper assembly assists backcheck in cushioning the opening swing of the door.
  It is not intended to replace an auxiliary stop

### Reveal
Should not exceed 1/8˝ (3 mm)

### Top Rail
Minimum 1-1/4˝ (32 mm)

### Head Frame
- Less than 2-3/4˝ (70 mm) requires PLATE, 1460T-18
- Plate requires 1-3/4˝ (44 mm) minimum
- With full cover, use PLATE, 1460T-18FC
- With Designer Series metal cover, use PLATE, 1460T-18DS

### Clearance
1-1/4˝ (32 mm) behind door for installations

### Maximum opening
- Templating allows up to 180°, limited to 115° when optional bumper is installed
- Consult factory if door will be held open at 180°
- Hold-open points at 85°, 90°, 95°, 100°, 110° or 115° with hold-open tracks
- Please note that many track style door closers are capable of allowing 180° of door swing
- Be aware that the majority of track style closers are at their weakest closing force in the 180° – 130° range
- Consult factory for applications where an exterior or large

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**Optional**

**Non-handed Designer Series Metal Cover**

- 1460T-18
  - 12-1/2” (318 mm)
  - 12-3/8” (314 mm)
  - 3” (76 mm)

---

**Diagram:**
- Top Jamb (Pull Side) Mounting details
- Butt Hinges
- Auxiliary Stop
- Reveal
- Head Frame
- Top Rail
- Clearance
- Maximum opening

---

**Legend:**
- 2-3/8” (60 mm)
- 1-3/4” (32 mm)
- 2-7/32” (54 mm)
- 1-15/32” (31 mm)
- 1/8” (3 mm)
- 2-1/5” (54 mm)
- 2-5/16” (51 mm)
- 2-3/4” (70 mm)
- 1-3/16” (27 mm)
- 12-1/4” (311 mm)
- 12-1/2” (318 mm)
- 12-3/8” (314 mm)
- 1” (25 mm)
- 12-1/4” (32 mm)
- 12-1/2” (318 mm)
- 12-3/8” (314 mm)
- 3” (76 mm)
**1460T Series**

**Mounting details**

**Stop Face (Push Side) Mounting**

- **Butt Hinges**: Should not exceed 5" (127 mm) in width

- **Auxiliary Stop**
  - Recommended where a door cannot swing 110°
  - Track bumper assembly assists backcheck in cushioning the opening swing of the door.
  - It is not intended to replace an auxiliary stop

- **Top Rail**
  - Less than 4" (102 mm) measured from the stop face requires PLATE, 1460T-18PA.
  - Plate requires 1-1/2" (38 mm) minimum
  - With Full cover, use PLATE, 1460T-18PAFC
  - With Designer Series metal cover, use PLATE, 1460T-18PADS

- **Clearance**: 1460T projects 2-3/8" (60 mm) from door face

- **Stop Width**: Minimum 1-1/4" (32 mm)

- **Maximum opening**
  - Templating allows 110°, limited to 100° when optional bumper is installed
  - Variable hold-open angles with infinite options

---

**Diagram:**

- 2-3/8" (60 mm)
- 1-1/4" (32 mm)
- 1-1/16" (27 mm)
- 2-7/8" (73 mm)
- 22-3/4" (578 mm)
- 7/8" (22 mm)
- 4" (102 mm)
- 12-1/4" (311 mm)
- 7-1/4" (185 mm)
- 4" (102 mm)
- 4" (102 mm)

---

**Legend:**

- 1460T-18PA

---

**Note:**

- Dimensions are approximate and may vary.

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**Specifications:**

- 1460T projects 2-3/8" (60 mm) from door face.

---

**Contact Information:**

- phone: 877-671-7011
- fax: 800-248-1460
- www.allegion.com/us
- 009426 rev. 11/16
1460T-3071
Cast Iron Cylinder Assembly
- Non-handed
- 1461T adjustable 1-2
- 1460T adjustable 2-4
- Standard

1460T-3077T
Single Lever Standard Arm
- Non-handed
- Mounts hinge side, top jamb, or stop face
- Track roller not included with arm

1460T-3038
Track
- Non-handed
- Non hold-open
- Mounts on either side of the door
- Will accept hold-open clip and/or bumper assembly
- Standard

1460T-3038B
Track with Bumper
- Non-handed
- Non hold-open
- Mounts on either side of the door
- Will accept hold-open clip
- Optional

1460T-3038H
Track with Hold-Open
- Non-handed
- Hold-open
- Mounts on either side of the door
- Will accept bumper assembly
- Optional

1460T-3038HB
Hold-Open Track with Bumper
- Non-handed
- Hold-open
- Mounts on either side of the door
- Optional
### Installation Accessories

#### 1460T-18
Plate

The following details pertain to the above plates:
- Required for hinge side mount where top rail is less than 2-1/2˝ (64 mm)
- Required for top jamb mount when head frame is less than 2-3/4˝ (70 mm)
- Requires minimum 1-1/2˝ (38 mm) top rail or 1-3/4˝ (44 mm) head frame minimum
- With Full cover, use PLATE, 1460T-18FC
- With Designer Series metal cover, use PLATE, 1460T-18DS1

#### 1460T-18PA
Plate

The following details pertain to the above plates:
- Required for stop face mounting where top rail is less than 4˝ (102 mm), measured from the stop
- Requires 1-1/2˝ (38 mm) minimum top rail
- With Full cover, use PLATE, 1460T-18PAFC
- With Designer Series metal cover, use PLATE, 1460T-18PADS1

#### 1460T-18PAFC
Plate

#### 1460T-18DS
Plate

#### 1460T-18PADS
Plate

#### 1460T-18FC
Plate

#### 1460T-30A
Mounting Bracket

- Used when installing cylinder body
- Included with cylinder when ordered

#### 1460T-169
Track Bumper

- Mounts in track to assist backcheck, does not replace auxiliary stop
- Limits maximum opening
- Consists of bumper, bumper post, and mounting screw

#### 1460T-3054
Hold-Open Clip

- Mounts in track to provide hold-open function
- Hold-open point controlled by clip location

#### 1460T-3034
Track Roller

- Quiet, low friction roller assembly
- Shoulder dimension "X" = 1/8˝ (3 mm)

#### 1460T-3034H
Hold-Open Track Roller

- Hold-open roller
- Quiet, low friction roller assembly
- Shoulder dimension "X" = 1/8˝ (3 mm)
- Spring-loaded hold-open mechanism
How-to-order 1460T Series closers

1. Select cylinder size
   - 1461T (adjustable from size 1 to 2)
   - 1460T (adjustable from size 2 to 4)

2. Select finish
   - Standard Powder Coat
     - Aluminum, Dark Bronze, Statuary, Light Bronze, Black, Brass

Closer will be shipped with:
- Standard cover
- Standard arm
- Standard track
- Track roller
- Self-reaming and tapping screws
  unless options listed below are selected.

Cover options

- Full cover (FC)
- Designer Series metal cover (DS)
- Custom Powder Coat (RAL)
- Plated Finish, US
- SR Primer (for use with powder coat finishes only)

Finish options

- Standard Powder Coat
- Aluminum, Dark Bronze, Statuary, Light Bronze, Black, Brass

Track options

- Standard with Bumper (BUMPER)
- Hold-Open (H)
- Hold-Open with Bumper (HBUMPER)

Optional screw packs

- TB* w/Self-Reaming and Tapping Screws (TBSRT)
- Wood & Machine Screw (WMS)
- TB*, Wood & Machine Screw (TBWMS)
- TORX Machine Screw (TORX)
- TB* & TORX Machine Screw (TBTRX)
  * Specify door thickness if other than 1-3/4”

Installation accessories

- Plate, 1460T-18
- Plate, 1460T-18SD1
- Plate, 1460T-18FC
- Plate, 1460T-18PA
- Plate, 1460T-18PDS1
- Plate, 1460T-18PAFC

Special template

- ST- ________

Table of sizes

- Select closer based on width of door. The spring power of a 1460T cylinder is adjustable from size 2 to size 4 and is shipped adjusted to size 3.
- The closing power of 1460T series cylinders may be increased 50%.
- The spring power of a 1461T cylinder is adjustable from size 1 to size 2 and is shipped adjusted to size 1.

Reduced opening force 1460T Series closers

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Refer to POWER OPERATORS section for information on systems that meet reduced opening force requirements without affecting closing power.

*Maximum opening force.

DOOR WIDTH | 36” | 42” | 48”
--- | --- | --- | ---
8.5* lbs. | N/A | N/A | N/A
5.0* lbs. | 1461T | 1461T | 1461T

* Adjustablesize 1 thru 2

Indicates recommended range of door width for closer size.

Indicates recommended range of door width for closer size.

*Adjustable Size 2 thru 4

*Adjustable Size 1 thru 2