



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

Handing

Non-handed

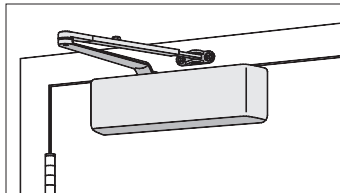
Sizing

Adjustable spring size 1-6

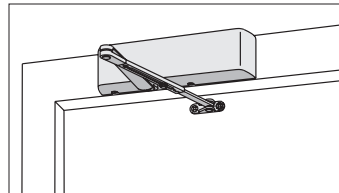
Available cylinder options

DEL	Delayed action cylinder
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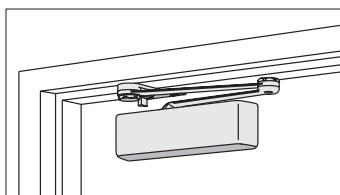
Mounting



Hinge (pull side)



Top jamb (push side)

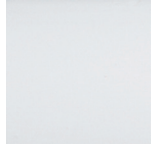


Parallel arm (push side)



### Finishes

#### Powder coat finishes



**689**  
Aluminum



**690**  
Statuary Bronze



**691**  
Light Bronze



**693**  
Black



**695**  
Dark Bronze



**696**  
Brass

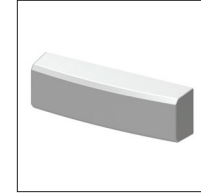
150+ additional custom colors available using the RAL numbering system

#### 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

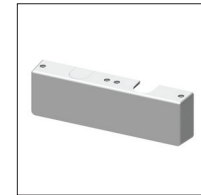
#### 4050-72



##### Plastic cover

- Non-handed
- Standard

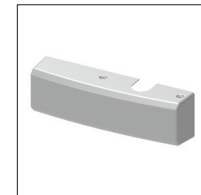
#### Optional covers



##### 4050-72ALT

##### Alternate cover

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



##### 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**

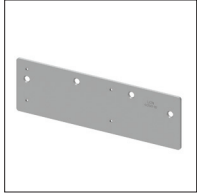
- Non-handed
- Features solid forged steel main arm and forearm with stop in soffit shoe
- Optional



**4050-3049CNS**  
**HCUSH arm**

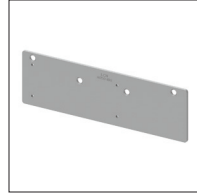
- Provides hold-open function with templated stop/hold-open points
- Handle controls hold-open function

## Installation accessories



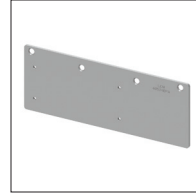
**4050-18**  
**Plate**

- 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



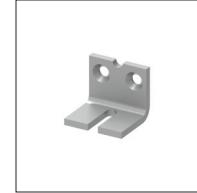
**4050-18G**  
**Plate**

- Locates top 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



**4050-30**  
**Cush shoe support**

- Provides anchorage for fifth screw used with CUSH arms, where reveal is less than 3-1/16" (78 mm)



**4050-61**  
**Blade stop spacer**

- Required to lower parallel arm shoe to clear 1/2" (13 mm) blade stop



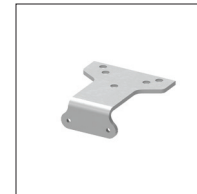
**4050-419**  
**Flush panel adapter**

- Provides horizontal mounting surface for parallel arm shoe on single rabbeted 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



**4050-62PA**  
**PA shoe**

- Required for parallel arm mounting

## Fasteners

Self-reaming and tapping screws included standard

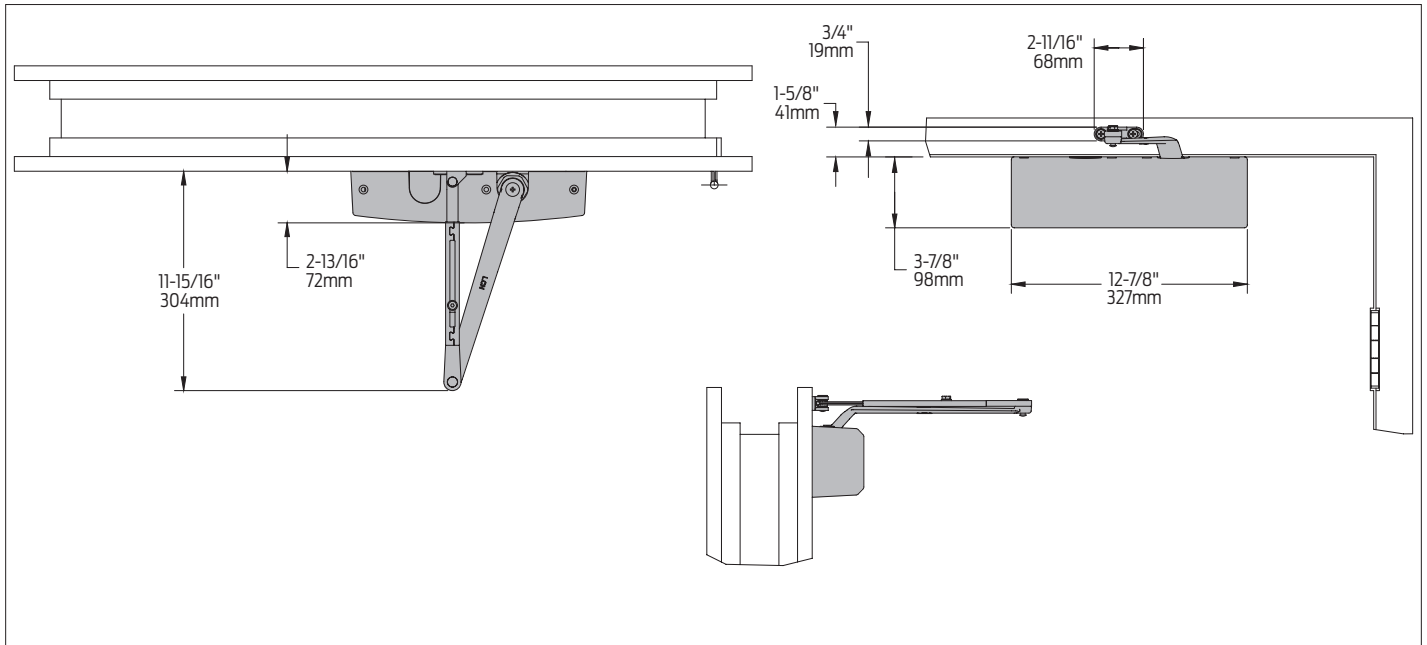
### Fastener pack options

TBSRT	TB <sup>1</sup> with self-reaming and tapping screws
WMS	Wood and machine screw
TBWMS	TB <sup>1</sup> , wood and machine screw
TORX	TORX machine screw
TBTORX	TB <sup>1</sup> and TORX machine screw

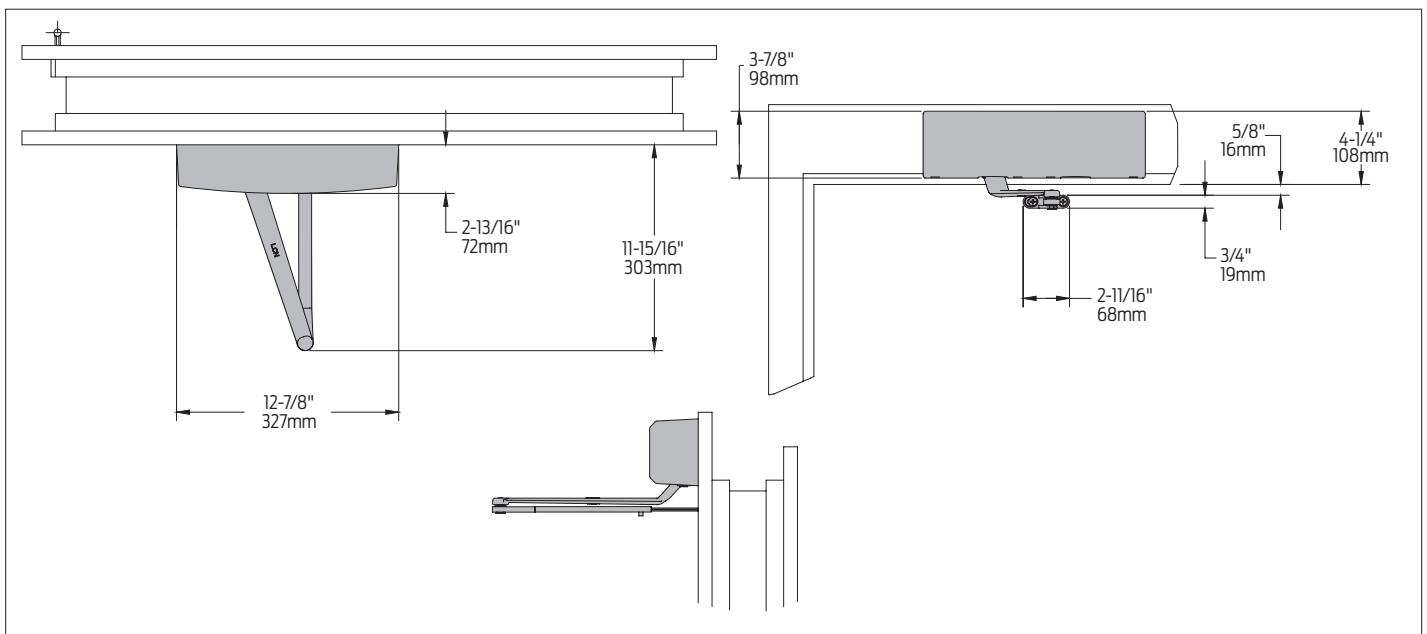
<sup>1</sup> Specify door thickness if other than 1-3/4"

Dimensions and mounting

Hinge (pull) side mounting

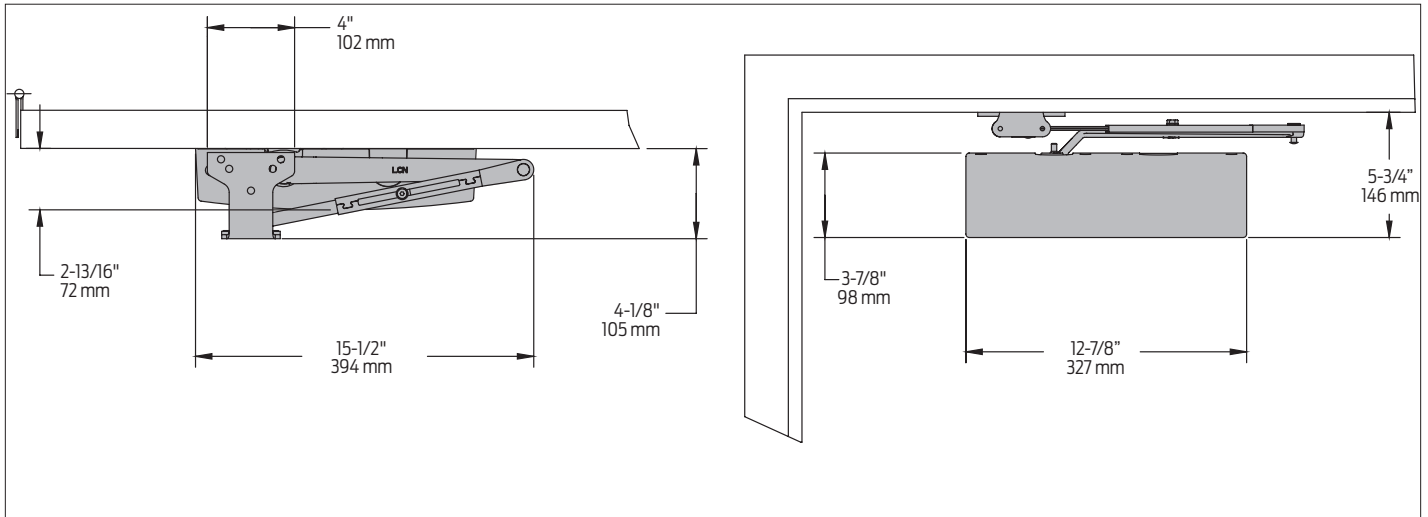


Top jamb (push side) mounting

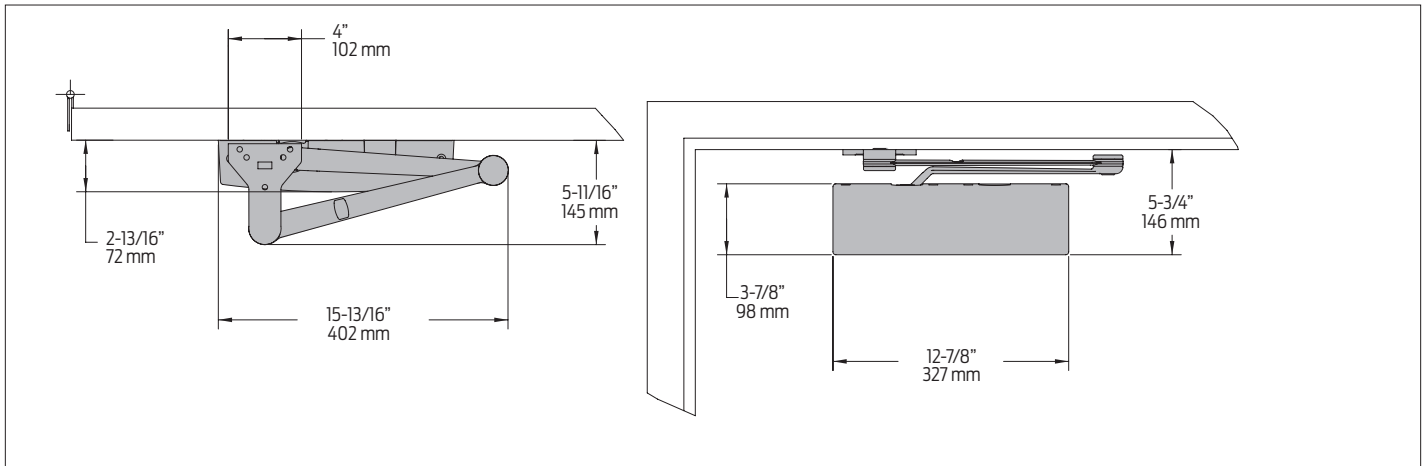


## Dimensions and mounting

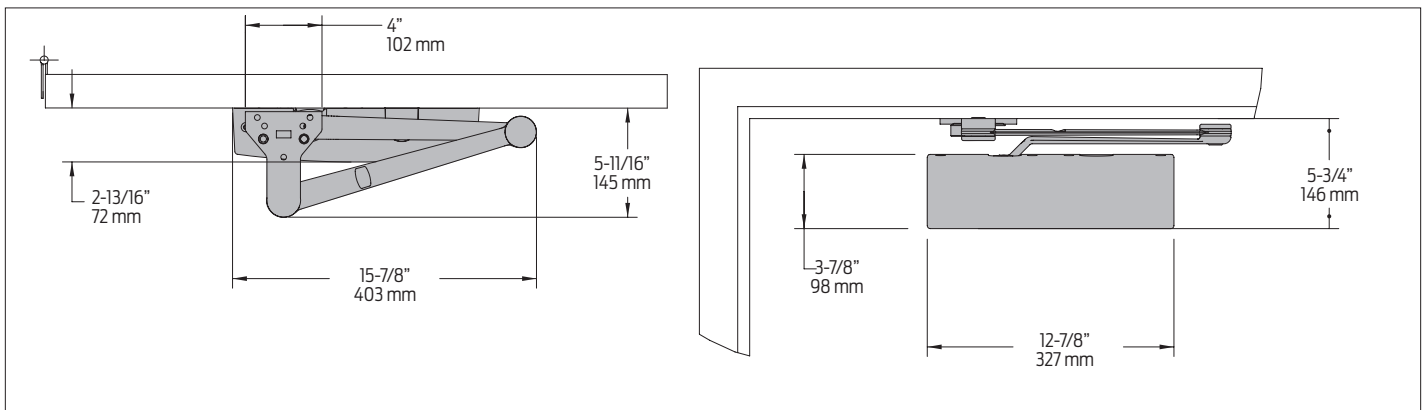
### Parallel arm (push side) mounting



### EDA mount



### CUSH



## Specifications

Accessibility	Available with less than 5.0 lbs. opening force on 36" door
Certifications/ approvals	<ul style="list-style-type: none"> <li>■ Grade 1 - ANSI A156.4</li> <li>■ UL 10C</li> <li>■ Meets BAA - Buy American Act</li> </ul>
Degree of operation	<p>Hinge (pull) side</p> <p>Max opening: 180°</p> <p>Hold open: 180°</p> <p>Top jamb (push side) mount</p> <p>Max opening: 180°</p> <p>Hold open: 180°</p> <p>Parallel arm with 62PA</p> <p>Max opening: 180°</p> <p>Hold open: 180°</p> <p>EDA</p> <p>Max opening: 180°</p> <p>Hold open: 180°</p> <p>Cush</p> <p>Max opening: 110°</p> <p>Hold open: 110°</p>
Environmental conditions	<ul style="list-style-type: none"> <li>■ Approved for interior use</li> <li>■ Approved for exterior use (SRI coated only)</li> <li>■ LCN's standard all weather fluid performs to temperature ranges from 120°F (49°C) to -30°F (-35°C)</li> <li>■ LCN's powder coat finish surpasses 100 hours of salt spray which is over four times the ANSI standard for corrosion resistance.</li> </ul>
Warranty	25 years
Standard features	<ul style="list-style-type: none"> <li>■ Cast iron body</li> <li>■ Full complement bearing</li> <li>■ 1-1/2" diameter piston</li> <li>■ 11/16" diameter double heat treated pinion journal</li> </ul>