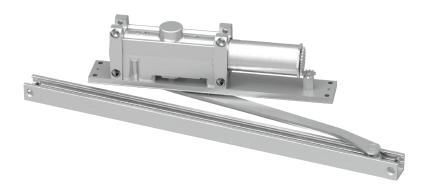
# 2010 Series

2010 Series

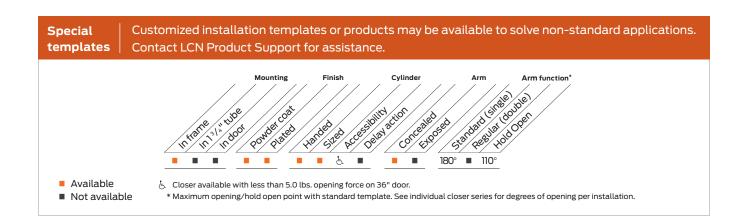


The concealed 2010 Series is a heavy duty closer designed to provide complete concealment. The single lever arm and roller assembly provide smooth, quiet door control and the choice of finishes and track functions meet virtually all architectural requirements.

#### **Features**

Certifications	Grade 1 - ANSI A156.4, UL 10 C, ADA, 100 hour salt spray, meets BAA - Buy American Act	
Body construction	<ul> <li>Cast iron body</li> <li>Full complement bearing</li> <li>1½" diameter piston</li> <li>½" diameter double heat treated pinion journal</li> </ul>	
Fluid	All weather fluid	
Handing	Handed	
Size	Sized 1-6	
Warranty	15 years	

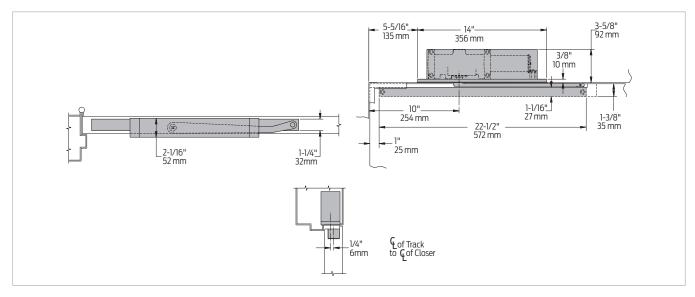
Fasteners	Wood and Machine Screws (WMS)		
Mounting	Concealed (in frame); aluminum frame requires minimum 4" x 4" (102 mm) tube		
Arms	Standard Arm And Track		
Finishes/colors/ powder coat	<ul> <li>689 Aluminum</li> <li>690 Statuary Bronze</li> <li>691 Light Bronze</li> <li>693 Black</li> <li>695 Dark Bronze</li> <li>696 Brass</li> <li>Custom colors optional</li> </ul>		
	<ul><li>Optional SRI primer - powder coat only</li><li>Optional plated finishes</li></ul>		



Introduction

## Mounting details

#### **Concealed mounting**



Butt hinges	Should not exceed 5" (127 mm) in width		
Auxiliary stop	<ul> <li>Recommended where a door cannot swing 180°</li> <li>Optional track bumper assembly assists back check in cushioning the opening swing of the door (not intended to replace an auxiliary stop)</li> </ul>		
Top rail	<ul> <li>13/8" (35 mm) mortise required</li> <li>With Fire Shield, 13/32" (36 mm) mortise required</li> <li>5/16" (8 mm) cutout required at top of the door, stop face only</li> </ul>		
Door thickness	1³/₄" (44 mm) minimum		
Hollow metal frame	Consult factory for installation instructions		
Maximum opening	<ul> <li>Butt hinge template allows 180°, trim permitting</li> <li>Limited to 110° when optional bumper is installed</li> <li>Adjustable hold open points from 85° to 110°, with Hold Open Track (H)</li> </ul>		
	<ul> <li>Offset pivot template allows 110°, trim permitting</li> <li>Limited to 95° when optional bumper is installed</li> <li>Adjustable hold open points from 75° to 95°, with Hold Open Track (H)</li> </ul>		
	<ul> <li>Center pivot template allows 120°, trim permitting</li> <li>Limited to 95° when optional bumper is installed</li> <li>Adjustable hold open points from 75° to 95°, with Hold Open Track (H)</li> </ul>		

- Notes:
  For interior or exterior doors
  critical cylinder in head
- Single acting cylinder in head frame Concealed arm and track in door top rail

# Accessories

#### Cylinders

2010 Series



#### 2011(3)(4)(5)(6)-3071 Cast iron cylinder assembly with mounting plate (CYL)

- Handed
- With mounting plate
- Standard

#### Arms



#### 2010-3077T Standard Arm (STDTRKARM)

- Handed
- Track roller not included with arm

#### Tracks



#### 2010-3038 Standard Track (STDTRK)

- Non-handed
- Non hold open
- Will accept hold open clip and/or bumper assembly
- Standard



#### 2010-3038B Track with Bumper (BUMP)

- Non-handed
- Non hold open
- Will accept hold open clip
- Optional



#### 2010-3038H Hold Open Track (H)

- Non-handed
- Will accept bumper assembly
- Optional



#### 2010-3038HB **Hold Open Track with** Bumper (HBMP)

- Non-handed
- Optional

#### Installation accessories



#### 2010-420 Fire Shield

 22 gauge steel liner mounts in the track mortise of the door's top rail for 20 minute labeled wood doors





#### 2010-3034H **Hold Open Track Roller**

- Quiet, low friction roller assembly
- Shoulder dimension





#### 2010-169 **Track Bumper**

- Mounts in track to assist back check
- Limits maximum opening
- Consists of bumper, bumper post and mounting screw

Note: Track bumper does not replace auxiliary stop.



#### 2010-3054 Hold Open Clip

- Mounts in track to provide hold open function
- Hold open point controlled by clip location
- Requires 2010-3034H





#### 2010-3034 Track Roller

- Quiet, low friction roller assembly
- Shoulder dimension "X" = 1/16" (2 mm)

Introduction

### Ordering information

#### **How-to-order 2010 Series closers**

2. Specify hand

☐ Right Hand (RH)

☐ Left Hand (LH)

#### 1. Select cylinder size

- □ 2011
- □ 2013
- □ 2014
- □ 2015
- □ 2016

#### 3. Select finish

☐ Standard powder coat

Aluminum (689), Dark Bronze (695), Statuary Bronze (690), Light Bronze (691), Black (693), or Brass (696)

#### Closer will be shipped with:

- Standard cylinder with finish plate
- Standard arm
- Standard track
- Wood and machine screws (unless options listed below are selected)

#### **Closer options**

#### **Track**

- ☐ Track with Bumper (BUMP)
- ☐ Hold Open Track (H)
- ☐ Hold Open Track with Bumper (HBMP)

#### **Finish**

- ☐ Custom powder coat (RAL) \_\_\_\_\_
- □ Plated finish
- ☐ SRI primer (use with powder coat finishes only)

#### Screw pack

□ Torx Machine Screws (TORX)

#### Installation accessories

☐ Fire Shield, 2010-420

#### Special template

□ ST-\_\_\_\_\_

#### Table of sizes

- Select closer based on width of door
- 2010 Series cylinders available in size 1, 3, 4, 5 or 6
- Closing power of all 2010 Series closers may be increased 15%
- Specify next higher size closer where strong drafts exist

#### Exterior (and vestibule) door width



#### Interior door width



Indicates recommended range of door width for closer size.

#### Reduced opening force 2010 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 Automatic Operators catalog for information on systems that meet reduced opening force requirements without effecting closing power.

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Door width	36"	42"	48"
8.5* lbs.	2014	2014	2015
5.0* lbs.	2011	2011	2013

\* Maximum opening force