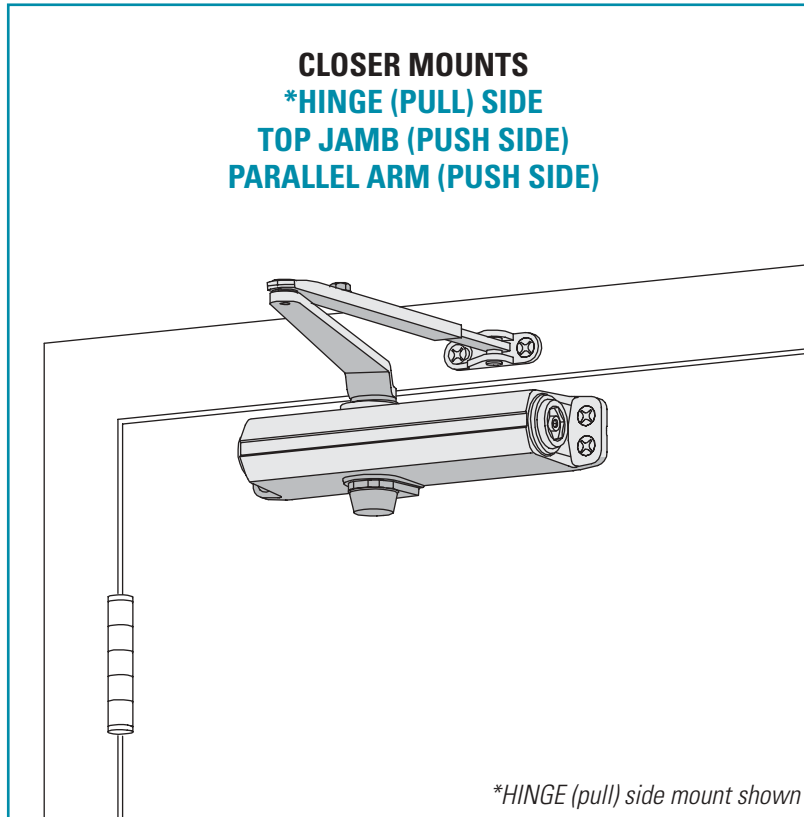


LCN 1070 SERIES



The 1070 is a cast iron closer that fits the most common commercial footprint. This economical closer is designed for use on narrow 1 3/4" head frames.

The 1070 Series is UL and ULC listed for self-closing doors without hold-open. Tested and certified under ANSI Standard A156.4, grade one.

- ▶ Standard 1070 series closer shipped with regular arm and wood and machine screw pack. See 1070 Series page 7 for options.
- ▶ Sized 1074 or 1075 cylinders for interior doors to 4'6" and exterior doors to 3'6".
- ▶ Optional Slim line cover.
- ▶ Non-sized 1071 cylinder for exterior doors to 30" (762 mm) and interior doors to 38" (965 mm).
- ▶ Closer mounts hinge side, top jamb, and parallel arm, on either right or left swinging doors.
- ▶ 1071 meets ADA requirements. See 1070 Series page 8.
- ▶ Standard or optional custom powder coat finish.
- ▶ Optional SRI primer for installations in corrosive conditions.

MOUNTING					FINISH		COVER		CYLINDER			*ARM FUNCTION									
HINGE (PULL) SIDE	TOP JAMB (PULL)	TOP JAMB (PUSH)	PARALLEL ARM	STOP FACE	POWDER COAT	PLATED	PLASTIC	METAL	DESIGNER SERIES	NON-HANDED	NON-SIZED	ACCESSIBILITY	DELAYED ACTION	REGULAR (DOUBLE)	STANDARD (SINGLE)	HEAVY DUTY	HOLD-OPEN	EDA/HEDA	CUSH/HCUSH	SCUSH/SHCUSH	
●	○	●	●	○	●	○	●	○	○	●	● ¹	♿ ¹	○	180°	○	○	180°	○	○	○	○

- Available
- Not available

♿ Closer available with less than 5.0 lbs. opening force on 36" door.
 * Maximum opening/hold-open point with standard template. Hinge side mount.
 1 = 1071 cylinder only

LCN 1070 SERIES

MOUNTING DETAILS

HINGE (PULL) SIDE MOUNTING

MAXIMUM OPENING

Can be templated for 100°,

Ⓐ = 6 1/2" (165 mm)

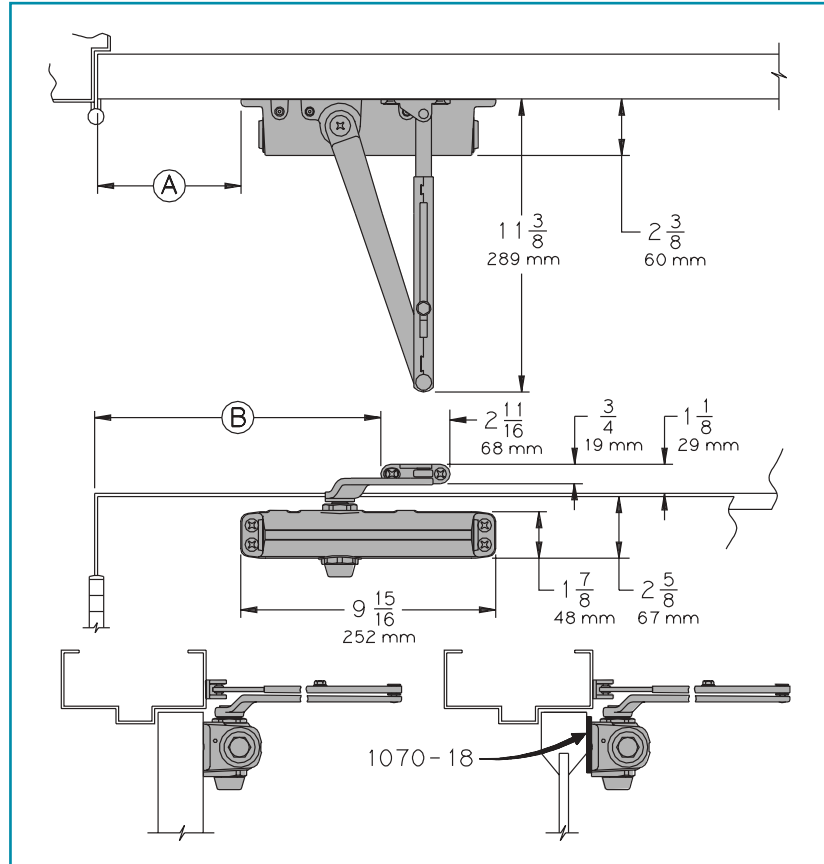
Ⓑ = 12" (305 mm)

or 180° (trim permitting).

Ⓐ = 3" (76 mm)

Ⓑ = 8 1/2" (216 mm)

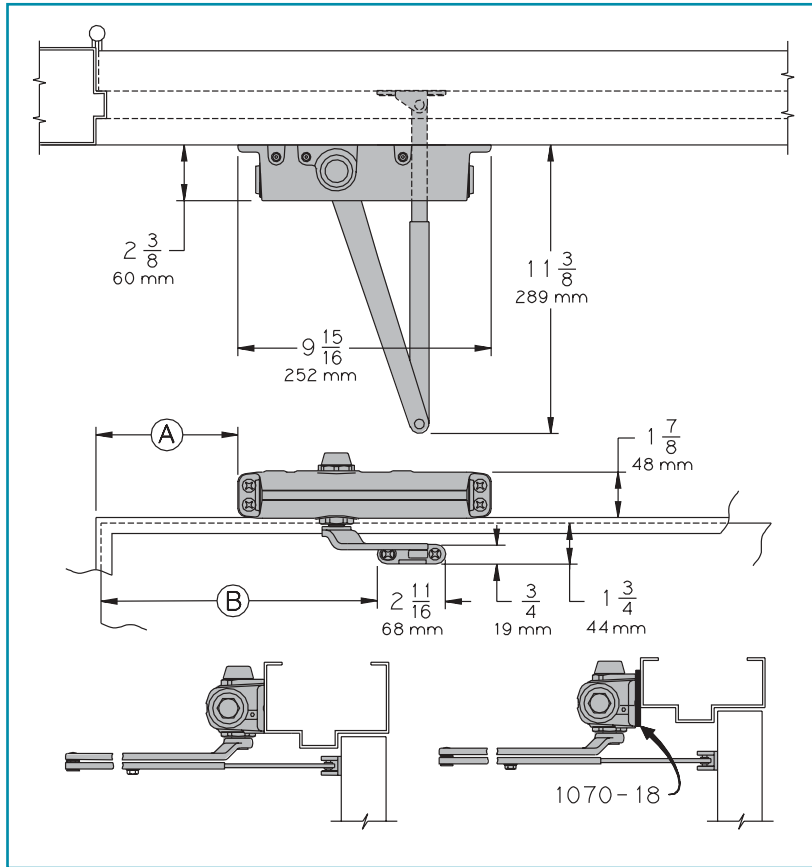
Hold-open points up to maximum opening with hold-open arm.



- ▶ **Butt Hinges** should not exceed 5" (127 mm) in width.
- ▶ **Auxiliary Stop** is 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 5/8" (67 mm) requires PLATE, 1070-18. Plate requires 1 1/2" (38 mm) minimum.
- ▶ **Clearance** of 2 3/8" (60 mm) behind door required for installation.
- ▶ **Bull Nose Trim** requires SOFFIT SHOE, 1070-65.

Options

- ▶ Hold-open arm.
- ▶ Slim line cover.



TOP JAMB (PUSH SIDE) MOUNTING

MAXIMUM OPENING

Can be templated for
100°,

Ⓐ = 7" (178 mm)

Ⓑ = 12 1/2" (318 mm)

or 180°.

Ⓐ = 3" (76 mm)

Ⓑ = 8 1/2" (216 mm)

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

- ▶ **Butt Hinges** should not exceed 5" (127 mm) in width.
- ▶ **Auxiliary Stop** is recommended at hold-open point or where the door cannot swing 180°.
- ▶ **Reveal** of 2 1/2" (64 mm) allows 180° opening.
3 1/2" (89 mm) allows up to 180° opening with LONG ARM where standard ROD and SHOE is replaced with optional LONG ROD and SHOE (1070-79LR).
- ▶ **Top Rail** requires 1 3/4" (44 mm) minimum.
2 5/8" (67 mm) minimum with closer on PLATE, 1070-18.
- ▶ **Head Frame** less than 1 3/4" (44mm) requires PLATE, 1070-18.
Use PLATE, 1070-18 for flush ceiling condition with 2" (51 mm) head frame.
Plate requires 1 1/4" (32 mm) minimum.

Options

- ▶ Long arm.
- ▶ Hold-open arm.
- ▶ Slim line cover.

LCN 1070 SERIES

MOUNTING DETAILS

PARALLEL ARM (PUSH SIDE) MOUNTING

Optional mounting requires PA SHOE, 1070-62PA for REGULAR or HOLD-OPEN arms. Add prefix "P" to closer description (e.g. P1070). P1070 closer includes 1070-201 FIFTH HOLE SPACER to support PA SHOE.

MAXIMUM OPENING

Can be templated for 100°,

$$\textcircled{A} = 7 \frac{1}{8}" (181 \text{ mm})$$

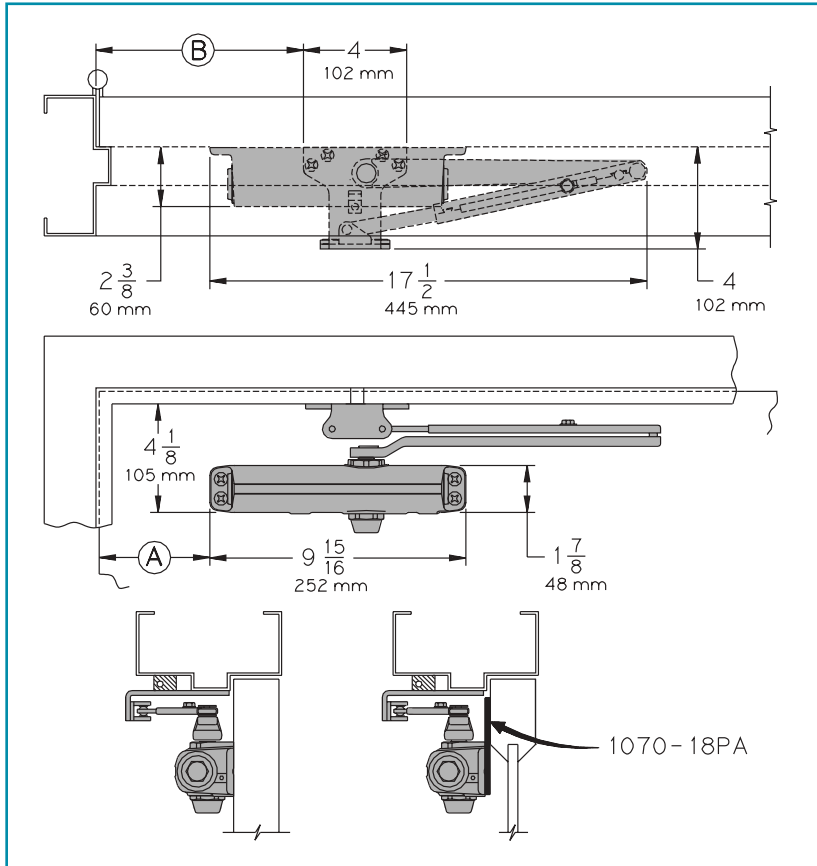
$$\textcircled{B} = 9 \frac{1}{2}" (241 \text{ mm})$$

or 180°.

$$\textcircled{A} = 3 \frac{5}{8}" (92 \text{ mm})$$

$$\textcircled{B} = 6" (152 \text{ mm})$$

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



- ▶ **Butt Hinges** should not exceed 5" (127 mm) in width.
- ▶ **Auxiliary Stop** is recommended at hold-open point or where a door cannot swing 180°.
- ▶ **Clearance** for 1070-62PA shoe is 4" (102 mm) from door face.
- ▶ **Top Rail** less than 4" (102 mm) measured from the stop requires PLATE, 1070-18PA.
Plate requires 1 1/4" (32 mm) minimum.
- ▶ **Stop Width** minimum 1" (25 mm).
- ▶ **Head Frame** flush or single rabbetted requires PA SHOE ADAPTER, 1070-418,
- ▶ **Blade Stop Spacer**, 1070-61 required for PA arm to clear 1/2" (13 mm) blade stop.

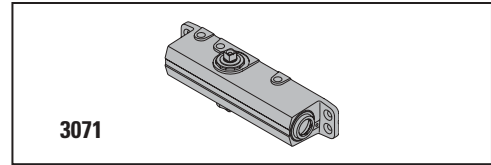
Options

- ▶ Hold-open arm.
- ▶ Slim line cover.

CYLINDERS

CYLINDER, 1070-3071

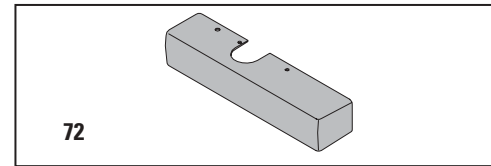
Standard, non-handed cast iron cylinder assembly.
For various applications see "Table of Sizes" on 1070 Series page 8.



COVERS

COVER, 1070-72

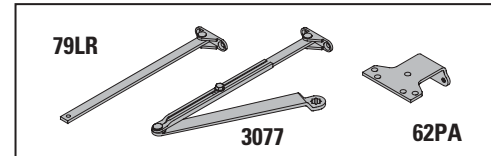
Optional, non-handed plastic slim line cover .



ARMS

REGULAR ARM, 1070-3077

Non-handed arm mounts pull side or top jamb with shallow reveal. P1070 closer includes PA SHOE, 1070-62PA required for parallel arm mounting.

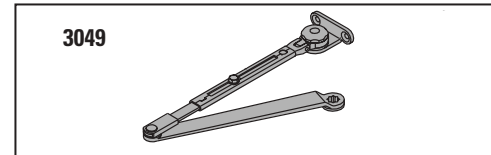


PA SHOE, 1070-62PA

Required for parallel arm mounting.

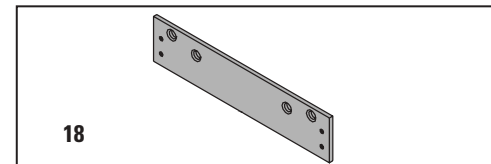
LONG ARM, 1070-3077L

Includes LONG ROD AND SHOE, 1070-79LR for top jamb mount with deep reveal.



HOLD-OPEN ARM, 1070-3049

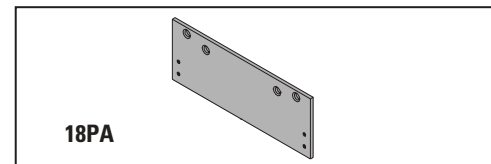
Optional, non-handed arm mounts pull side or top jamb with shallow reveal. Hold-open adjustable at shoe.
PA SHOE, 1070-62PA required for parallel arm mounting.



INSTALLATION ACCESSORIES

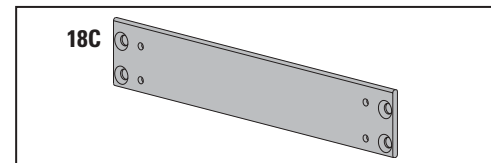
PLATE, 1070-18

Required for hinge side mount where top rail is less than 2 5/8" (67 mm).
Required for top jamb mounting where head frame is less than 1 3/4" (44 mm) or flush ceiling condition exists.
Plate requires minimum 1 1/2" (38 mm) minimum top rail or 1 1/4" (32 mm) head frame.



PLATE, 1070-18PA

Required for parallel arm mounting where top rail is less than 4" (102 mm), measured from the stop.
Plate requires 1 1/4" (32 mm) minimum top rail.

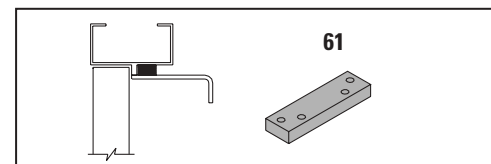


PLATE, 1070-18C

Retro fit plate for 1040/1050 Series.

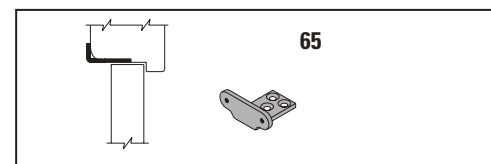
BLADE STOP SPACER, 1070-61

Lowers parallel arm shoe to clear 1/2" (13 mm) blade stop.



SOFFIT SHOE, 1070-65

Adapts hinge side shoe to rounded or bull nose trim.



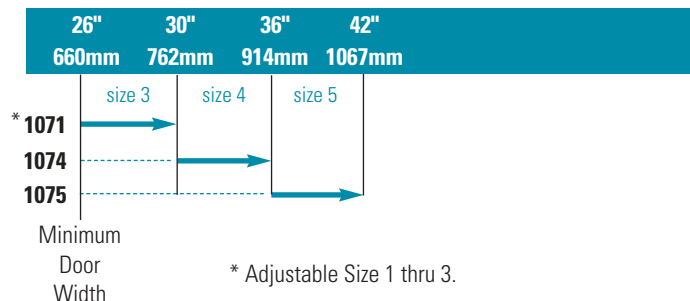
LCN 1070 SERIES

TABLE OF SIZES Select closer based on width of door. Non-sized 1071 cylinder is adjustable from sizes 1 to 3.

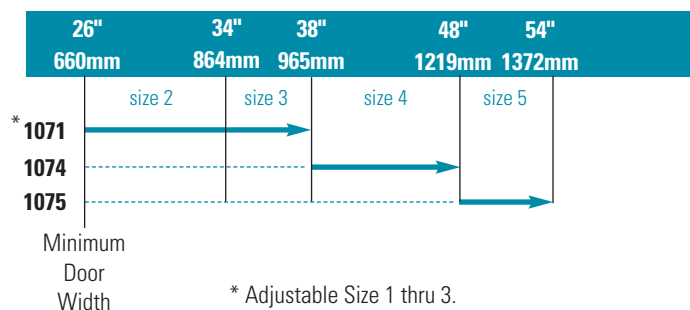
The sized 1070 cylinder is available in size 4 or 5. Spring power is not adjustable. Closing power can be increased 15% by reversing the shoe.

→ Indicates recommended range of door width for closer size.

EXTERIOR (and VESTIBULE) DOOR WIDTH




INTERIOR DOOR WIDTH



REDUCED OPENING FORCE 1070 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.

	DOOR WIDTH	36"	42"	48"
	8.5* lbs.	1071	1071	1071
5.0* lbs.	1071	1071	1071	

* Maximum opening force

HOW-TO-ORDER 1070 SERIES CLOSERS

1. SELECT CYLINDER SIZE

- 1071 (ADA)
- 1074
- 1075

2. SELECT FINISH

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

Closer will be shipped with:

- REGULAR ARM
- WOOD and MACHINE SCREW PACK,
unless options listed below are indicated.

CLOSER OPTIONS

COVER

- Slim line, plastic

FINISH

- Custom Powder Coat (RAL) _____
(cover not available)
- SRI primer

ARM

- Regular w/62PA (Rw/PA)
- Long (LONG)
- Hold-Open (H)
- Hold-Open w/62PA (Hw/PA)

SCREW PACK

- SRT, Self-Reaming and Tapping (SRT)
- TB* w/Self-Reaming and Tapping (TBSRT)
- TB*, Wood & Machine Screws (TBWMS)
(*specify door thickness if other than 1 3/4")

INSTALLATION ACCESSORIES

- Plate, 1070-18
- Plate, 1070-18PA
- Plate, 1070-18C
- Blade Stop Spacer, 1070-61
- Soffit Shoe, 1070-65