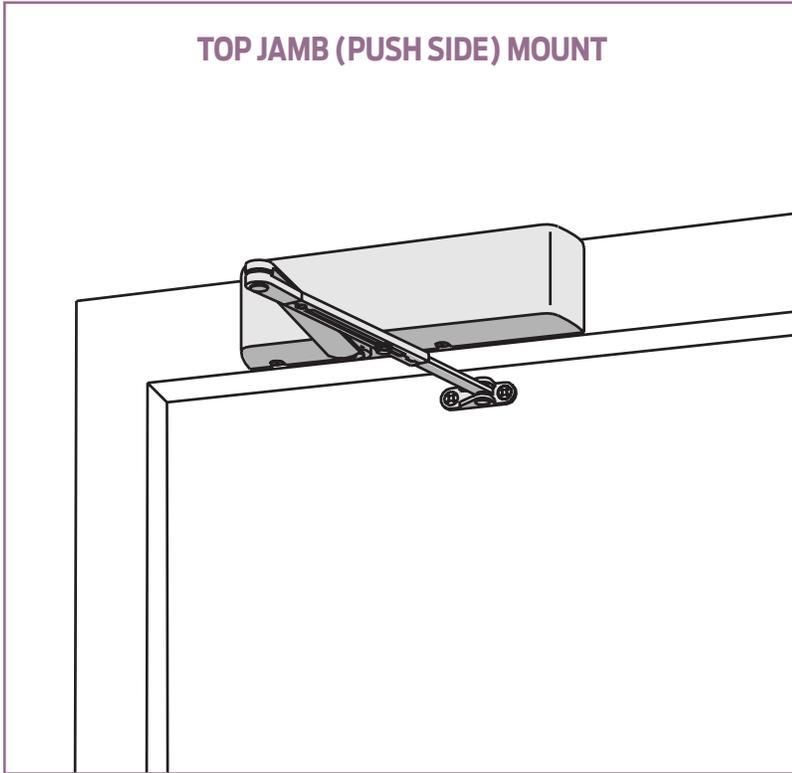


4020 SERIES

FEATURES

The 4020 is LCN's best performing heavy duty closer designed specifically for institutional and other rugged high traffic applications.

- Cast Iron
- Forged Steel Main Arm
- Double Heat Treated Steel Pinion
- All Weather Fluid
- LCN Patented Green Dial
- UL & cUL Listed
- Peel-n-Stick Templates for Fast and Accurate Installations



- Standard 4020 Series closer is shipped with regular arm, standard plastic cover, and self reaming and tapping screws. See 4020 Series page 15 for options.
- Size 6 cylinder for interior doors to 5'0" and exterior doors to 4'0".
- Non-sized cylinder (4021) adjustable for interior doors to 4'6" and exterior doors to 3'6".
- Closer mounts top jamb (push side), specify right or left swinging door.
- 4021 cylinder meets ADA requirements. See 4020 Series page 16.
- Standard or optional custom powder coat finish.
- Optional plated finish on metal cover, arm and fasteners.
- Optional SRI primer for installations in corrosive conditions is available with powder coat only.
- The 4020 Series is UL and cUL listed with regular or fusible link arms for self-closing doors.
- Tested and certified under ANSI Standard A156.4, grade one.



MOUNTING					FINISH		COVER		CYLINDER			**ARM FUNCTION									
HINGE (PULL SIDE)	TOP JAMB (PULL)	TOP JAMB (PUSH)	PARALLEL ARM	STOP FACE	POWDER COAT	PLATED	PLASTIC	METAL	NON-HANDED	NON-SIZED	ACCESSIBILITY	DELAYED ACTION	AVB***	REGULAR (DOUBLE)	STANDARD (SINGLE)	HOLD-OPEN	FUSIBLE LINK	EDA/HEDA	CUSH/HCUSH	SCUSH/SHCUSH	DOUBLE EGRESS
○	○	●	○	○	●	●	●	●	○	●	♿	●	○	180°	○	140°	140°	○	○	○	○

● AVAILABLE
○ NOT AVAILABLE

♿ Closer available with less than 5.0 lbs. opening force on 36" door.
** Maximum opening/hold-open point with standard template.
*** Advanced Variable Backcheck.

4020 SERIES

MOUNTING DETAILS

TOP JAMB (PUSH SIDE) MOUNTING

MAXIMUM OPENING

Can be templated for
100°,

Ⓐ = 6" (152 mm)

Ⓑ = 12 3/8" (314 mm)

140°,

Ⓐ = 4" (102 mm)

Ⓑ = 10 3/8" (264 mm)

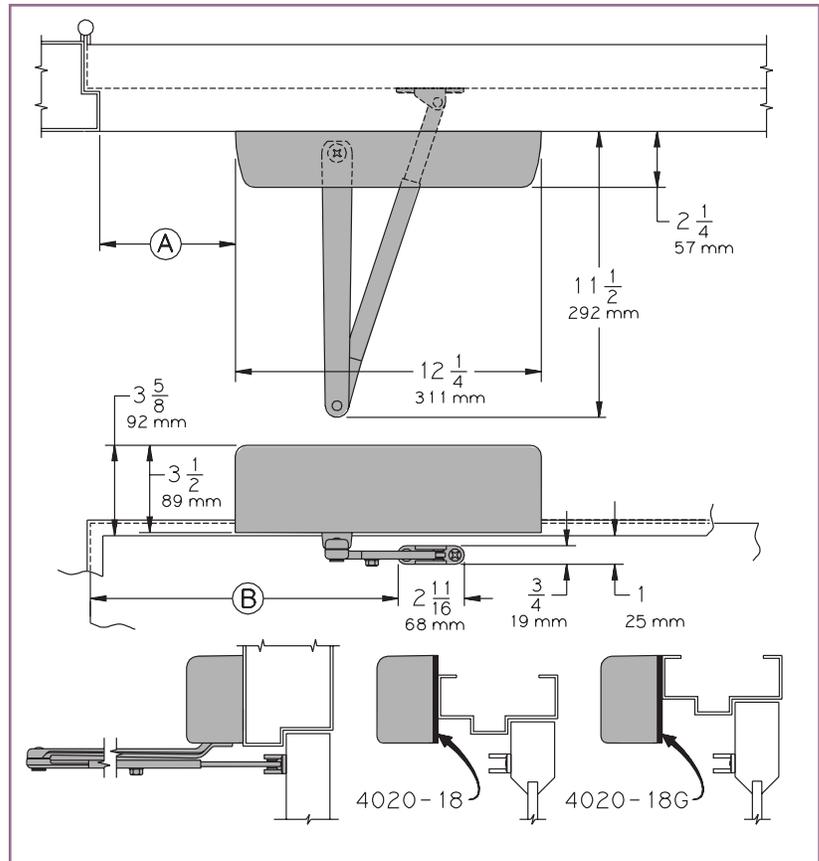
or 180°.

Ⓐ = 2" (51 mm)

Ⓑ = 8 3/8" (213 mm)

Hold-open points up to maximum opening or 140°, whichever is less, for hold-open or fusible link arm.

For hold-open beyond 140°, use 4110 Series closer.



Options

- Size 6 or non-sized cylinder.
- Delayed action cylinder.
- Hold-open, or fusible link arm.
- Metal cover.

Special Templates

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

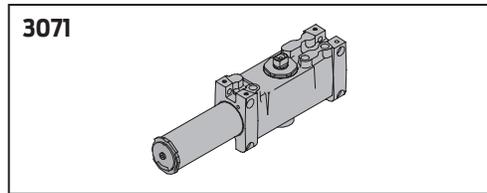
- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Auxiliary Stop** is recommended at hold-open point or where the door cannot swing 180°.
- **Reveal** of 2-9/16" (65 mm) allows 180° opening with regular arm.
4-13/16" (122 mm) allows up to 140° opening with regular arm.
8" (203 mm) allows up to 140° opening with LONG ARM where standard rod and shoe is replaced with optional long rod and shoe (4020-79LR).
- **Head Frame** less than 3-7/16" (87 mm) requires PLATE, 4020-18
Use PLATE, 4020-18G for flush ceiling condition.
Either plate requires 1-3/4" (44 mm) minimum.
- **Top Rail** requires minimum 1-1/2" (38 mm).
Closer on 4020-18 plate requires 2" (51 mm) minimum.
Closer on 4020-18G plate requires 2-3/4" (70 mm) minimum.
- **Delayed Action** Add suffix "DEL" to selected cylinder.
Not available with 4026 cylinder.
Delays closing from maximum opening to approximately 75°.
Delay time adjustable up to approximately 1 minute.

4020 SERIES

CYLINDERS

CYLINDER, 4020-3071

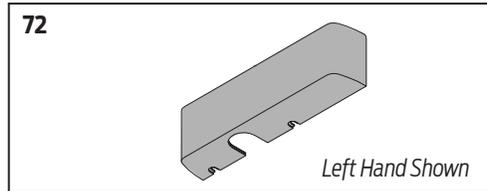
Standard, handed cast iron cylinder assembly.
For various applications see "Table of Sizes" on 4020 Series page 16.



COVERS

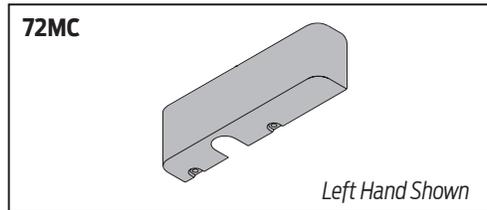
COVER, 4020-72

Standard, handed plastic cover.



METAL COVER, 4020-72MC

Optional, handed cover. Required for plated finishes and custom powder coat finishes.



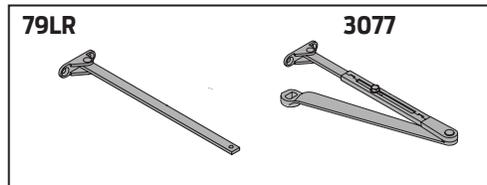
ARMS

REGULAR ARM, 4020-3077

Non-handed arm.

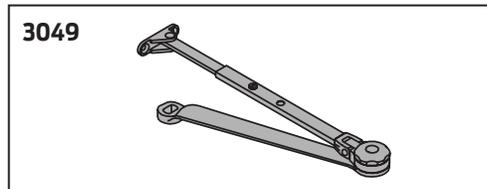
LONG ARM, 4020-3077L

Optional non-handed arm includes 4020-79LR for deep reveals.
(see page 14 for allowable reveals)



HOLD-OPEN ARM, 4020-3049

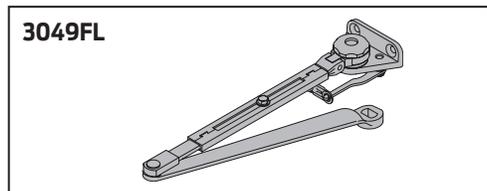
Optional, handed arm provides hold-open function, adjustable at elbow. 5-3/4" (146 mm) maximum reveal, 140° hold open.



FUSIBLE LINK ARM, 4020-3049FL

Optional, handed arm releases hold-open function, adjustable at shoe, when exposed to temperatures above 165° F.
3-7/8" (98 mm) maximum reveal.

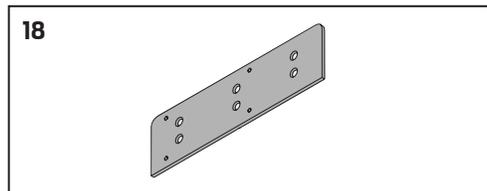
NOTE: Check local codes before specifying FL arms. NOT A life safety product!



INSTALLATION ACCESSORIES

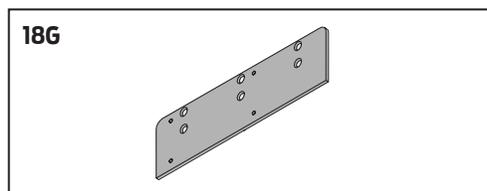
PLATE, 4020-18

Required where head frame is less than 3-7/16" (87 mm).
Plate requires minimum 1-3/4" (44 mm) minimum head frame and 2" (51 mm) top rail.
3-7/8" (98 mm) maximum reveal.



PLATE, 4020-18G

For flush ceiling condition.
Plate requires minimum 1-3/4" (44 mm) minimum head frame and 2-3/4" (70 mm) top rail.

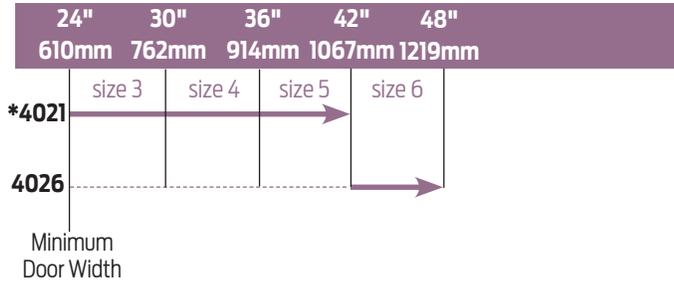


4020 SERIES

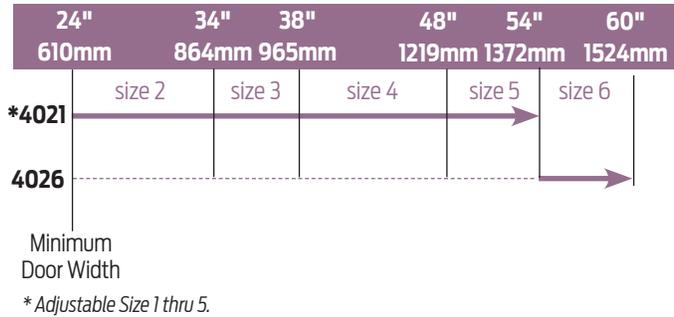
TABLE OF SIZES

Select closer based on width of door.
 The spring power of non-sized 4021 cylinder is adjustable from size 1 through size 5 and is shipped set to size 3.
 Sized 4020 Series cylinders available in size 6.
 Delayed action not available with 4026 cylinder.

EXTERIOR (and VESTIBULE) DOOR WIDTH



INTERIOR DOOR WIDTH



→ Indicates recommended range of door width for closer size.

REDUCED OPENING FORCE 4010 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 section for information on systems that meet reduced opening force requirements without effecting closing power.

	DOOR WIDTH	36"	42"	48"
	8.5* lbs.	4021	4021	4021
	5.0* lbs.	4021	4021	4021

* Maximum opening force.

HOW-TO-ORDER 4020 SERIES CLOSERS

- 1. SELECT CYLINDER SIZE**
 - 4021 (adjustable from size 1 to 5)
 - 4026 (DEL not available)
- 2. SPECIFY HAND**
 - RH
 - LH
- 3. SELECT FINISH**
 - Standard Powder Coat _____
Aluminum, Dark Bronze, Statuary, Light Bronze, Black, Brass.

Closer will be shipped with:

- STANDARD COVER,
- REGULAR ARM,
- SELF REAMING and TAPPING SCREWS, unless options listed below are selected.

CLOSER OPTIONS

CYLINDER

- Delayed Action (DEL)

COVER

- Metal (MC)

ARM

- Hold-Open (H)
- Fusible Link, 165°F (FL)

FINISH

- Custom Powder Coat (RAL) _____
(handed metal cover required)
- Plated Finish, US _____
(handed metal cover required)
- SRI primer (use with powder coat finishes only)

SCREW PACK

- TB* & SRT Screw (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, 4020-18
- Plate, 4020-18G

SPECIAL TEMPLATE

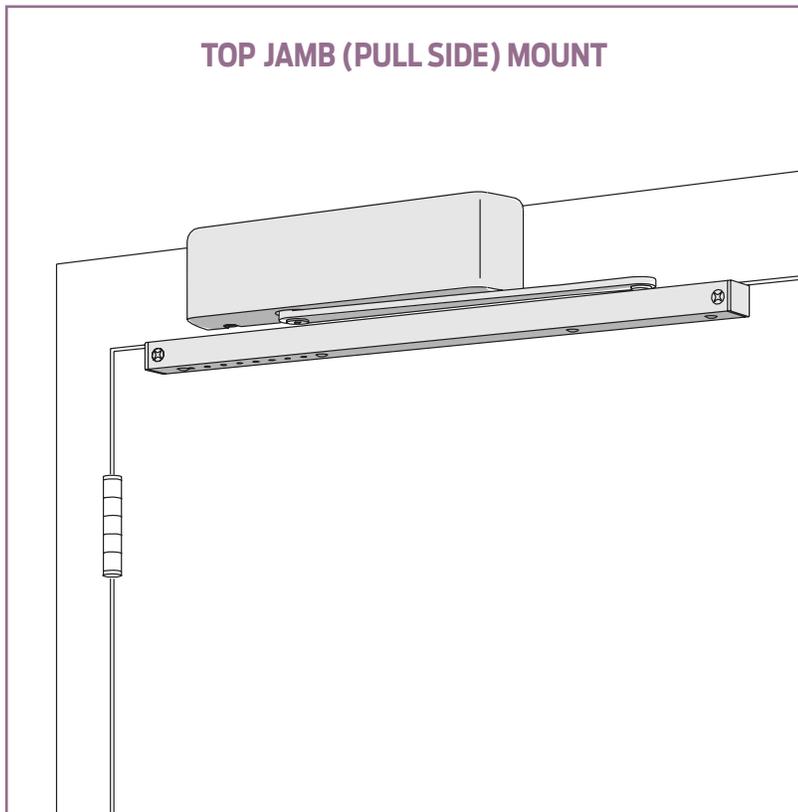
- ST- _____

4020T SERIES

FEATURES

The 4020T is LCN's best performing heavy duty track closer designed specifically for interior doors in institutional and other high traffic applications.

- Cast Iron
- Forged Steel Arm
- Double Heat Treated Steel Pinion
- All Weather Fluid
- UL & cUL Listed
- Peel-n-Stick Templates for Fast and Accurate Installations



- Standard 4020T Series closer is shipped with standard arm, standard track, track roller, standard plastic cover, and self reaming and tapping screws. See 4020T Series pages 19 & 20 for options.
- Sized cylinders for interior doors to 4'0".
- Closer mounts top jamb (pull side), specify right or left swinging door.
- Standard or optional custom powder coat finish.
- Optional plated finish on metal cover, arm and fasteners.
- Optional SRI primer for installations in corrosive conditions is available with powder coat only.
- The 4020T Series is UL and cUL listed with a standard track for self-closing doors.
- Tested and certified under ANSI Standard A156.4, grade one.

MOUNTING					FINISH		COVER		CYLINDER			**ARM FUNCTION										
HINGE (PULL SIDE)	TOP JAMB (PULL)	TOP JAMB (PUSH)	PARALLEL ARM	STOP FACE	POWDER COAT	PLATED	PLASTIC	METAL	NON-HANDED	NON-SIZED	ACCESSIBILITY	DELAYED ACTION	AVB***	REGULAR (DOUBLE)	STANDARD (SINGLE)	HOLD-OPEN	FUSIBLE LINK	EDA/HEDA	CUSH/HCUSH	SCUSH/SHCUSH	DOUBLE EGRESS	
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>												

● AVAILABLE
○ NOT AVAILABLE

♿ Closer available with less than 5.0 lbs. opening force on 36" door.
** Maximum opening/hold-open point with standard template.
*** Advanced Variable Backcheck.

4020T SERIES

TOP JAMB (PULL SIDE) MOUNTING

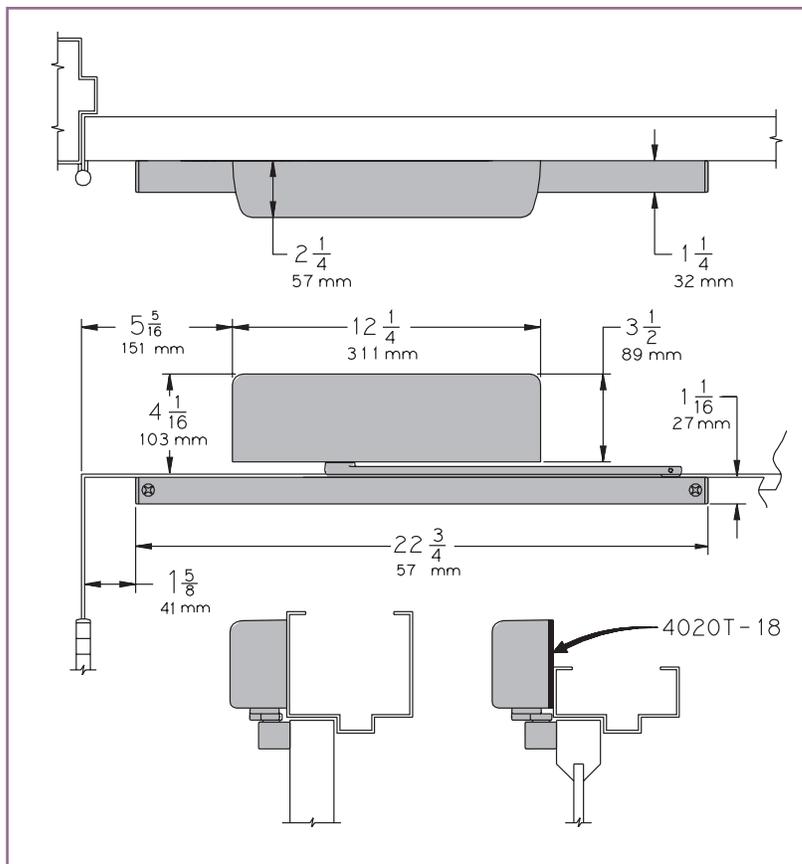
MAXIMUM OPENING

Templating allows 180° with standard track arm, limited to 100° with optional bumper installed.

Consult factory if door will be held open at 180°.

Hold-open points at 80°, 85°, 90°, 95°, or 100° 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** is recommended at hold-open point or 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).
- **Head Frame** less than 3-7/8" (98 mm), requires PLATE, 4020T-18. Plate requires 1-3/4" (44 mm) minimum.
- **Clearance** of 1-1/2" (38 mm) behind door required for 90° or 180° installation.

Options

- Standard track with bumper, hold-open track, hold-open track with bumper.
- Metal cover.

Special Templates

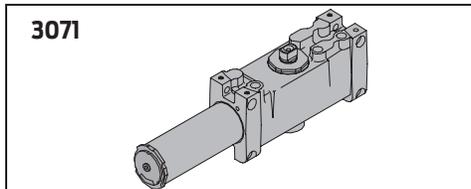
Customized installation templates or products may be available to solve unusual applications. Contact LCN Product Support for assistance.

4020T SERIES

CYLINDERS

CYLINDER, 4020T-3071

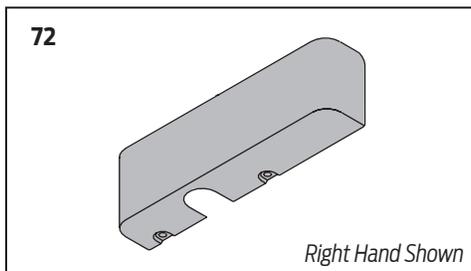
Standard, handed cast iron cylinder assembly.
For various applications see "Table of Sizes" on 4020T Series page 21.



COVERS

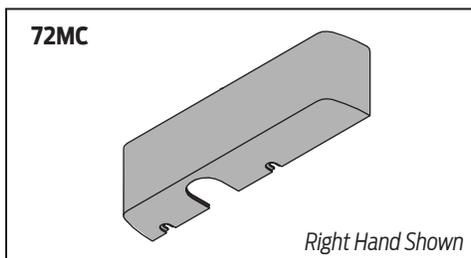
COVER, 4020T-72

Standard, handed plastic cover.



METAL COVER, 4020T-72MC

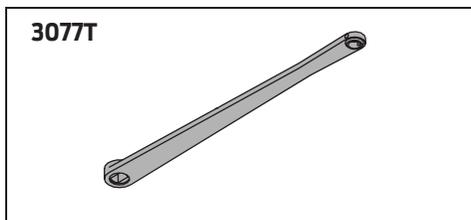
Optional, handed cover. Required for plated finishes and custom powder coat finishes.



ARMS

STANDARD ARM, 4020T-3077T

Handed arm. Roller not included with arm.



TRACKS

STANDARD TRACK, 4020T-3038

Standard, non hold-open, non-handed track.
Will accept hold-open clip and/or bumper assembly.

STANDARD TRACK with BUMPER, 4020T-3038B

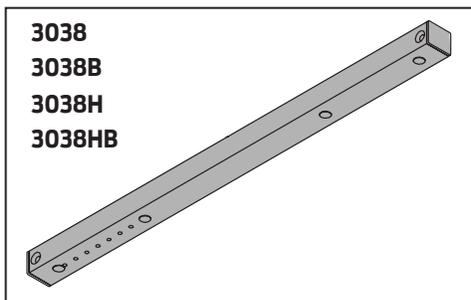
Optional non hold-open, non-handed track with bumper assembly installed. Will accept hold-open clip.

HOLD-OPEN TRACK, 4020T-3038H

Optional, non-handed track with hold-open clip installed.
Will accept bumper assembly.

HOLD-OPEN TRACK with BUMPER, 4020T-3038HB

Optional, non-handed track with hold-open clip and bumper assembly installed.

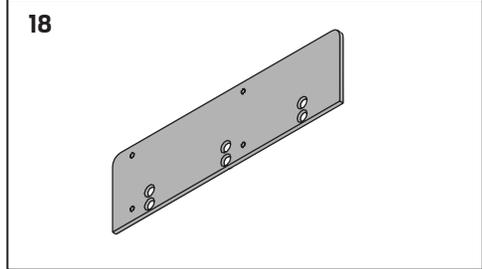


4020T SERIES

INSTALLATION ACCESSORIES

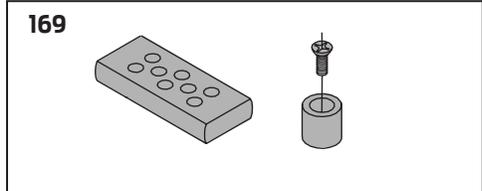
PLATE, 4020T-18

Required where head frame is less than 3-7/8" (98 mm).
Plate requires minimum 1-3/4" (44 mm) frame face.



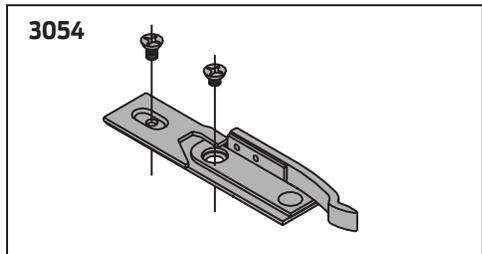
TRACK BUMPER, 4020T-169

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



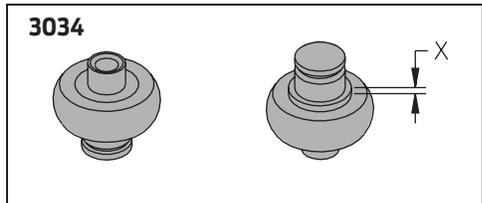
HOLD-OPEN CLIP, 4020T-3054

Mounts in track to provide hold-open function.
Hold-open point controlled by clip location.
Consists of clip and mounting screws.



TRACK ROLLER, 4020T-3034

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



4020T SERIES

TABLE OF SIZES

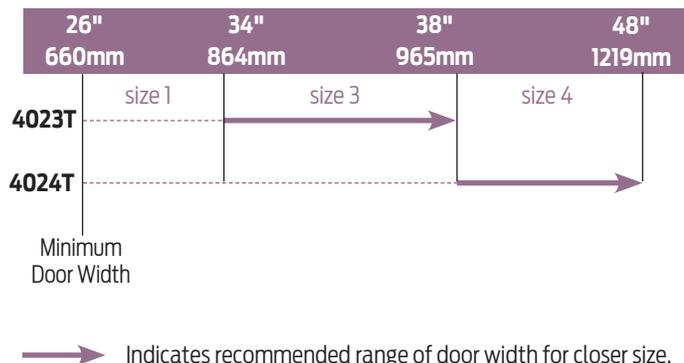
Select closer based on width of door.

4020T Series cylinders available in size 1, 3 or 4.

Closing power of all 4020T Series closers may be increased 15%.

Specify next higher size closer where strong drafts exist.

INTERIOR DOOR WIDTH



HOW-TO-ORDER 4020T SERIES CLOSERS

1. SELECT CYLINDER SIZE

- 4021T (ADA)
- 4023T
- 4024T

2. SPECIFY HAND

- RH
- LH

3. SPECIFY FINISH

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

Closer will be shipped with:

- STANDARD COVER,
- STANDARD ARM,
- TRACK ROLLER,
- STANDARD TRACK,
- SELF-REAMING and TAPPING SCREWS,
unless options listed below are selected.

CLOSER OPTIONS

COVER

- Metal (MC)

FINISH

- Custom Powder Coat (RAL) _____
(handed metal cover required)
- Plated Finish, US _____
(handed metal cover required)
- SRI primer (use with powder coat finishes only)

TRACK

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

SCREW PACK

- TB* & SRT Screw (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 ACCESSORY

- Plate, 4020T-18

SPECIAL TEMPLATE

- ST- _____

