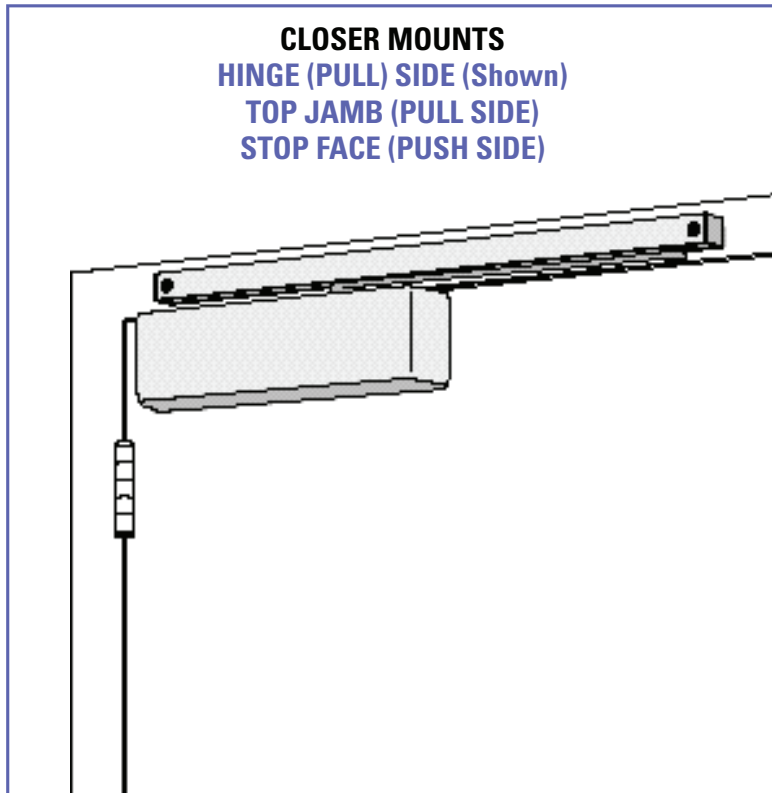


LCN 4040T SERIES

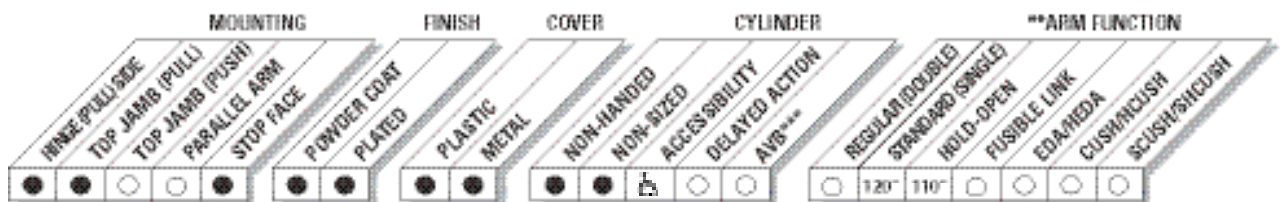
FEATURES



The 4040T SMOOTHEE® is LCN's most flexible heavy duty track closer designed specifically for interior doors in institutional and other rugged high traffic applications.

- ▶ **Cast Iron**
- ▶ **Forged Steel Arm**
- ▶ **Double Heat Treated Steel Pinion**
- ▶ **All Weather Fluid**
- ▶ **Non-Handed**
- ▶ **Fast & Accurate Installation**
- ▶ **UL & cUL Listed**

- ▶ Standard 4040T series closer is shipped with standard arm, standard track, track roller, standard plastic clip-on cover, and self reaming and tapping screws. See 4040T Series pages 55 & 56 for options
- ▶ Non-sized cylinders for interior doors to 4'0".
- ▶ Closer mounts pull side on door, pull side top jamb or push side on door.
- ▶ Closers to meet ADA requirements. See 4040T Series page 57.
- ▶ 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.
- ▶ Consult factory for double egress applications.
- ▶ The 4040T Series is UL and cUL listed with a standard track for self-closing doors.
- ▶ Tested and certified under ANSI Standard A156.4, grade one.



- 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

LCN®

51

LCN CLOSERS
 121 W. RAILROAD AVE.
 P.O. BOX 100
 PRINCETON, IL, USA 61356-0100

PHONE 800-526-2400
 FAX 800-248-1460
 www.lcn.ingersollrand.com
 3/10

LCN 4040T SERIES

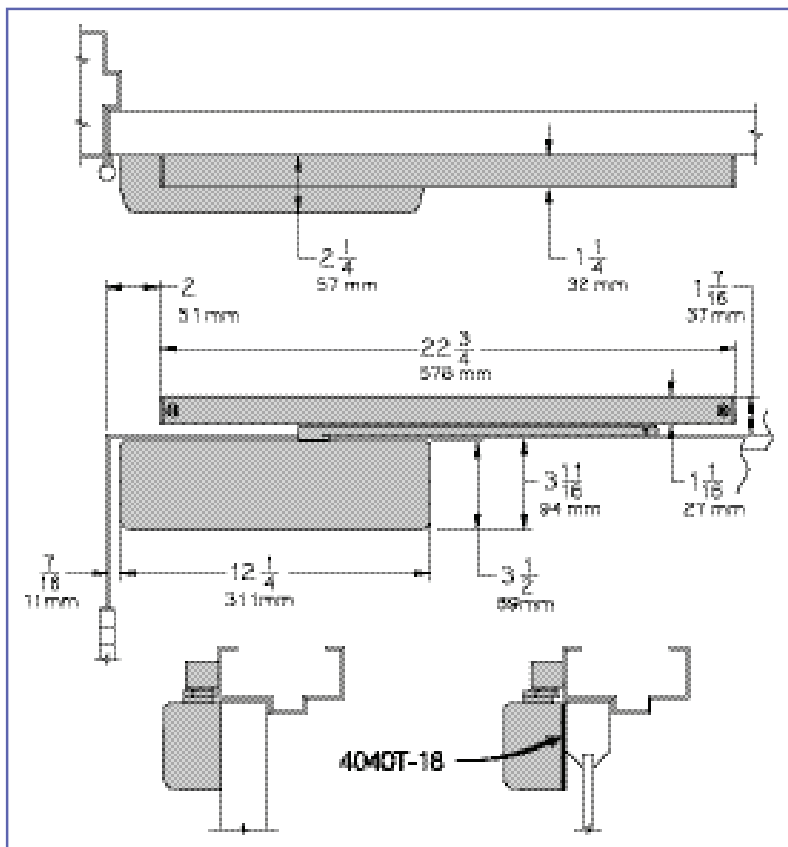
HINGE (PULL) SIDE MOUNTING

MAXIMUM OPENING

Templating allows 120° with standard arm, limited to 110° when optional bumper is installed.

Hold-open points at 85°, 90°, 95°, 100°, 105°, or 110°, depending on the clip location in track.

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 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 120°. 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) for standard arm.
- ▶ **Top Rail** less than 3 3/4" (95 mm) requires PLATE, 4040T-18. Plate requires 1 13/16" (44 mm) minimum.
- ▶ **Head Frame** requires 1 1/4" (32 mm) minimum.
- ▶ **Clearance** of 2 1/4" (57 mm) behind door required for 90° installation.

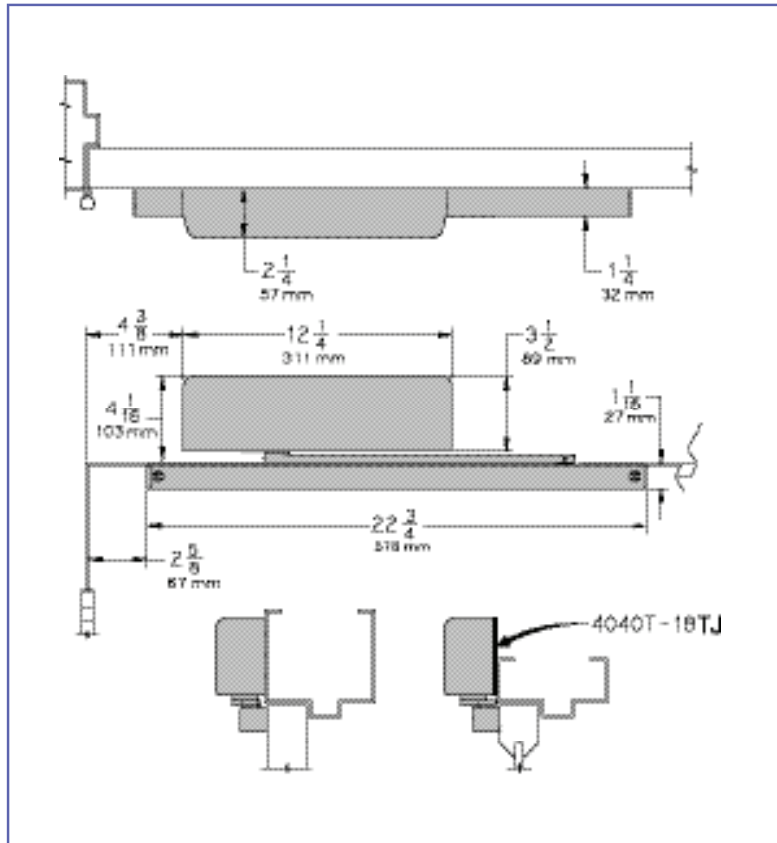
Options

- ▶ Standard track with bumper, hold-open track, hold-open track with bumper.
- ▶ Metal cover.
- ▶ ST required for double egress applications. Consult factory

Special Templates

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

LCN 4040T SERIES



TOP JAMB (PULL SIDE) MOUNTING

MAXIMUM OPENING

Templating allows 180° with standard track arm, limited to 110° with optional bumper installed.

Consult factory if door will be held open at 180°

Hold-open points at 85°, 90°, 95°, 100°, 105° or 110° 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 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, 4040T-18TJ. Plate requires 1 3/4" (44 mm) minimum. .
- ▶ **Clearance** of 1 1/4" (32 mm) behind door required for 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 for assistance.

LCN 4040T SERIES

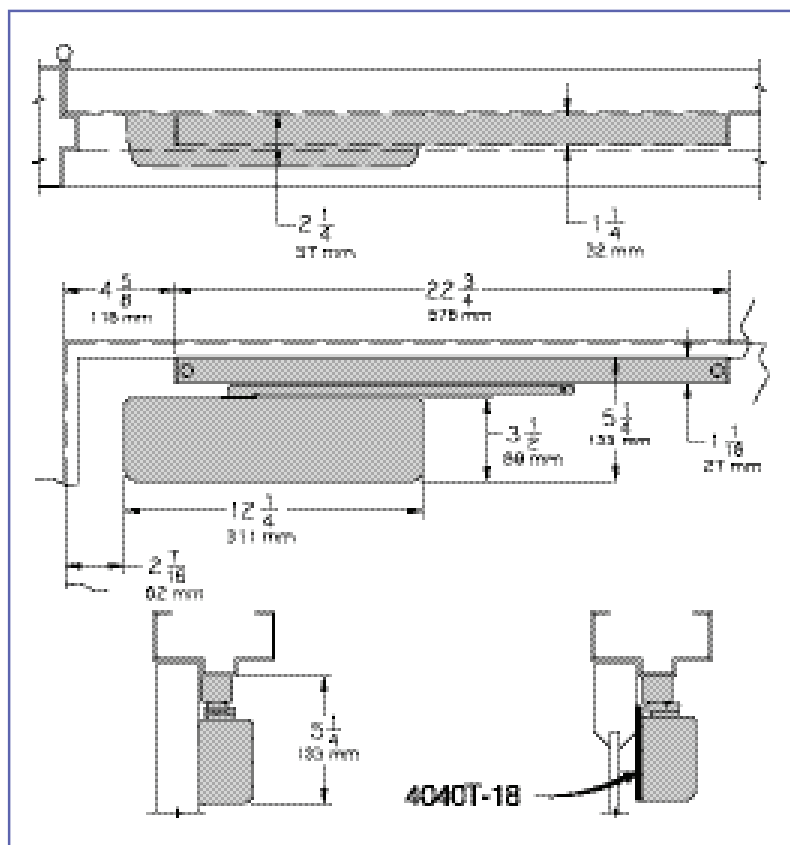
STOP FACE (PUSH SIDE) MOUNTING

MAXIMUM OPENING

Templating allows 120° with standard track arm, limited to 110° with optional bumper tracks.

Hold-open points at 85°, 90°, 95°, 100°, 105° or 110° 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 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 120°. Optional track bumper assembly assists backcheck in cushioning the opening swing of the door. It is not intended to replace an auxiliary stop.
- ▶ **Clearance** projects 2 1/4" (57 mm) from face of door.
- ▶ **Top Rail** less than 5 1/4" (133 mm) measured from the stop, requires PLATE, 4040T-18. Plate requires 3 1/2" (89 mm) minimum.
- ▶ **Stop Width** minimum 1 1/4" (32 mm).

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 for assistance.

CYLINDERS

CYLINDER, 4041T-3071

Standard, non-handed cast iron cylinder assembly.

COVERS

COVER, 4040T-72

Standard, non-handed plastic clip-on cover.

METAL COVER, 4040T-72MC

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

ARMS

STANDARD ARM, 4040T-3077T

Non-handed arm.

Arm does not include track roller.

DOUBLE EGRESS ARM, 4040T-3077DE

Optional, handed arm for double egress doors and frames.

Arm does not include track roller.

Maximum reveal is 2 11/16" (68mm).

TRACKS

STANDARD TRACK, 4040T-3038

Standard, non hold-open, non-handed track.

Will accept hold-open clip and/or bumper assembly.

STANDARD TRACK with BUMPER, 4040T-3038B

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

Will accept hold-open clip.

HOLD-OPEN TRACK, 4040T-3038H

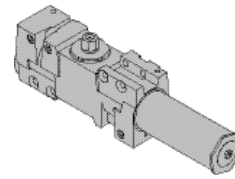
Optional, non-handed track with hold-open clip installed.

Will accept bumper assembly.

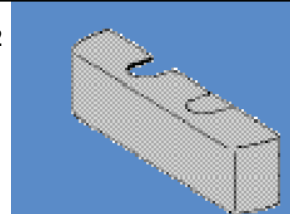
HOLD-OPEN TRACK with BUMPER, 4040T-3038HB

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

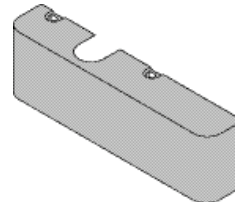
3071



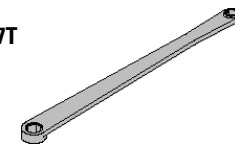
72



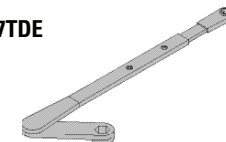
72MC



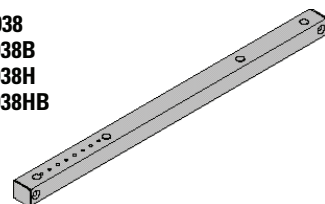
3077T



3077TDE



3038
3038B
3038H
3038HB



LCN 4040T SERIES

INSTALLATION ACCESSORIES

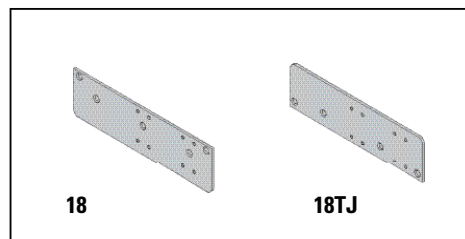
PLATE, 4040T-18

Required for pull side (door mount) installations where top rail is less than 3 3/4" (95 mm).

Plate requires minimum 1 3/4" (44 mm) top rail.

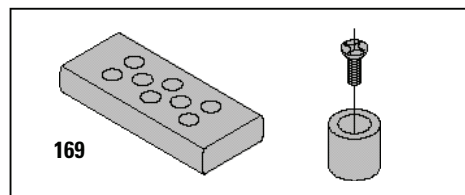
Required for push side (door mount) installations where top rail is less than 5 1/4" (133 mm) measured from the stop.

Plate requires minimum 3 1/2" (89 mm) top rail.



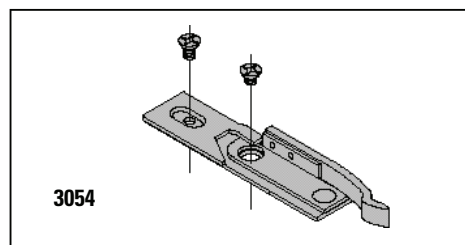
PLATE, 4040T-18TJ

Required for pull side top jamb installations where head frame is less than 3 7/8" (98 mm). Plate requires minimum 1 3/4" (44 mm) head frame.



TRACK BUMPER, 4040T-169

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

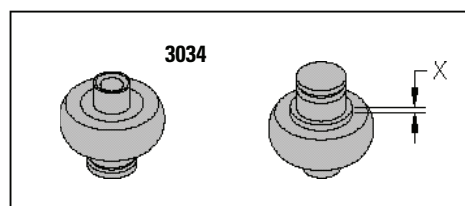


HOLD-OPEN CLIP, 4040T-3054

Mounts in track to provide hold-open function.

Hold-open point controlled by clip location.

Consists of clip and mounting screws.



TRACK ROLLER, 4040T-3034

Quiet, low friction roller assembly.

Shoulder dimension "X" = 1/8" (3mm).

LCN 4040T SERIES

TABLE OF SIZES

Non-Sized 4041T cylinder is adjustable from sizes 1 thru 4 and is shipped set to size 3.

→ Indicates recommended range of door width for closer size.

INTERIOR DOOR WIDTH

	26" 660mm	34" 868mm	38" 965mm	48" 1219mm
4041T		size 3	size 4	
Minimum Door Width				

REDUCED OPENING FORCE 4040T 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 effecting closing power.

	DOOR WIDTH	36"	42"	48"
	8.5* lbs.	N/A	N/A	N/A
	5.0* lbs.	4041T	4041T	4041T

* Maximum opening force

HOW-TO-ORDER 4040T SERIES CLOSERS

1. SPECIFY FINISH

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

Closer will be shipped with:

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

CLOSER OPTIONS

COVER

- ☐ Metal (specify right or left hand) (MC)

FINISH

- ☐ Custom Powder Coat (RAL) _____
(handed metal cover required)
- ☐ Plated Finish, US _____
(handed metal cover required)
- ☐ SRI primer

TRACK

- ☐ Regular with Bumper (BUMPER)
- ☐ Hold-Open (HO)
- ☐ Hold-Open with Bumper (HBUMPER)

SPECIFY SCREW PACK

- ☐ TB* w/Self-Reaming and Tapping (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, 4040T-18
- ☐ Plate, 4040T-18TJ

SPECIAL TEMPLATE

- ☐ ST- _____