



4040XP Series



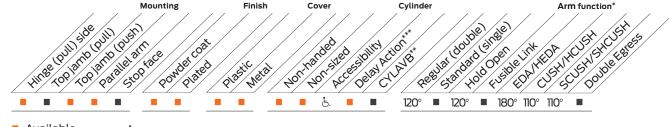
The 4040XP is LCN's most durable and flexible heavy duty closer designed for institutional and other demanding high traffic applications.

Features

Certifications	Grade 1 - ANSI A156.4, UL 10C, ADA, 100 hour salt spray, meets BAA - Buy American Act		
Body construction	 Cast iron body Full complement bearing 1½" diameter piston Double heat treated pinion journal 		
Fluid	All weather liquid X fluid		
Handing	Non-handed		
Templating	Peel-n-Stick templates - 2 1/4" x 5" mounting hole pattern		
Size	Adjustable spring size 1-6, includes patented green dial		
Warranty	30 years		

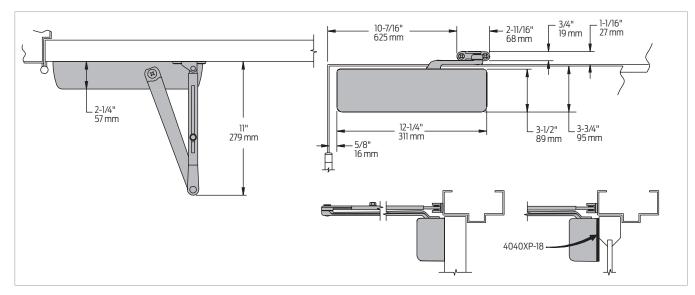
Cover	 Plastic Cover (PC), standard Metal Cover (MC), optional 		
	 Metal Cover (MC), optional 		
Fasteners	Self reaming and tapping screws (SRT)		
Mounting	Hinge (pull side), top jamb (push side), parallel arm (push side)		
Arms	Regular arm		
Finishes/colors/	689 Aluminum		
powder coat	 690 Statuary bronze 		
	 691 Light bronze 		
	 693 Black 		
	 695 Dark bronze 		
	 696 Brass 		
	 Custom colors optional 		
	Optional SRI primer - powder coat onlyOptional plated finishes		

Special Customized installation templates or products may be available to solve non-standard applications. templates Contact LCN Product Support for assistance Mounting Cover Cylinder Arm function⁴



- 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 Back Check.
- *** Delay feature incorporates standard 4040 cylinder (not XP).

Hinge (pull) side mounting

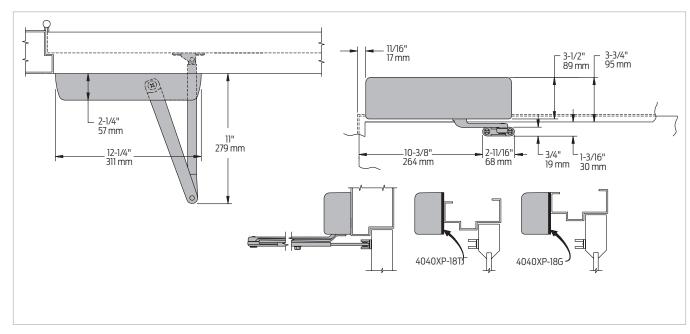


Butt hinges	Should not exceed 5" (127 mm) in width	
Auxiliary stop	Recommended at hold open point or where a door cannot swing beyond 120°	
Reveal	Should not exceed ³ / ₄ " (19 mm) for Regular or Hold Open Arm	
Top rail	Less than 3 ³ / ₄ " (95 mm) requires plate, 4040XP-18; Plate requires 2" (51 mm) minimum	
Clearance	2 ³ /a" (60 mm) behind door required for 90° installation	
Delay action	 Incorporates standard 4041 cylinder Delays closing from 120° to 70° Delay time adjustable up to approximately 1 minute 	
Maximum opening	 Templating allows up to 120° Hold open points 90° up to 120° with Hold Open Arm 	

4000T Series

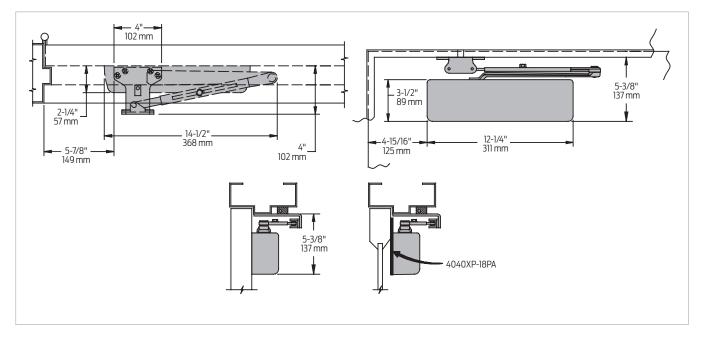
Mounting details

Top jamb (push) side mounting



Butt hinges	Should not exceed 5" (127 mm) in width		
Auxiliary stop	iliary stop Recommended at hold open point or where a door cannot swing beyond 120°		
Reveal	Arm type	Reveal	Max opening
	Regular Arm	2 ⁹ /16"	Up to 120°
	Long Arm	4 13/16"	Up to 120°
	Hold Open Arm	2 ⁹ /16"	Up to 120°
	Hold Open Long Arm	8"	Up to 120°
Top rail	 Requires 1 ¹/₄" (32 mm) minimum 2 ¹/₄" (57 mm) minimum with closer on plate, 4040XP-18TJ 3" (76 mm) minimum with closer on plate, 4040XP-18G 		
Head frame	 Less than 3 ¹/₂" (89 mm) requires plate, 4040XP-18TJ With flush ceiling, use plate, 4040XP-18G. Either plate requires 1 ³/₄" (44 mm) minimum 		
Maximum opening	 Templating allows up to 120° Hold open points 85° up to 120° with Hold Open Arm 		
Delay action	 Incorporates standard 4041 cylinder Delays closing from 120° to 70° Delay time adjustable up to approximately 1 minute 		

Parallel arm (push) side mounting

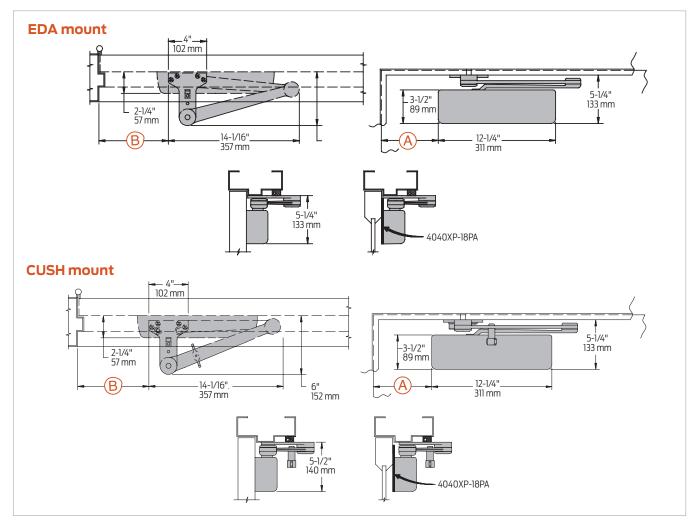


Butt hinges	utt hinges Should not exceed 5" (127 mm) in width	
Auxiliary stop	uxiliary stop Recommended at hold open point, where the door cannot swing 180°, or where Cush-n-Stop Arm is not used	
Reveal	eveal Should not exceed 7/32" (6 mm)	
Top rail	Less than $5^{3}/8$ " (137 mm) measured from the stop requires plate, 4040XP-18PA. Plate requires 2" (51 mm) minimum from the stop.	
Head frame	Flush or rabetted requires PA shoe adapter, 4040XP-419	
Stop width	Minimum 1" (25 mm). CUSH arm requires minimum 1 ½" (38 mm)	
Blade stop	Clearance requires 1/2" (13mm) blade stop spacer, 4040XP-61	
Clearance	 4040XP-62PA shoe is 4" (102 mm) from door face EDA shoe projects 5 ¹/₂" (140 mm) from door face CUSH shoe projects 6" (152 mm) from door face 	
Delay action	 Incorporates standard 4041 cylinder, without XP cylinder Delays closing from 120° to 70° Delay time adjustable up to approximately 1 minute 	
Maximum opening	 180° opening/hold open points with all except CUSH arms 110° opening/hold open with CUSH arms 	

Notes:

- Optional mounting requires PA shoe, 4040XP-62PA for regular or Hold Open Arms
- Add prefix "P" to closer description (eg. P4040XP) P4040XP closer includes 4040XP-201 fifth hole spacer to support PA shoe

EDA and CUSH mounting



Clearance	4040 XP-62EDA is 5 $^{1}/_{2}$ " (140 mm) from door face; 6" (152 mm) for CUSH				
Head frame	Flush or rabetted requires CUSH flush pan	el adapter, 4040XP-419			
CUSH Arm	Requires shoe support, 4040XP-30 for fift	th screw anchorage where reveal is less than 3 ½16" (78 mm)			
Delay action	 Incorporates standard 4041 cylinder, without XP cylinder Delays closing from maximum opening to; 115° with 180° template, 95° with 110° template, 85° with 100° template, 75° with 90° template (delay time adjustable up to approximately 1 minute) 				
Maximum opening	EDA arm can be templated for points at:	CUSH arms can be templated for opening/hold open point at:			
	110°: $A = 6^{3}/8"$ (162 mm) $B = 7^{3}/4"$ (197 mm)	85°: A = $7^{15}/16$ " (202 mm) B = $9^{1}/8$ " (232 mm)			
	or 180°: A = 2 ⁷ /8" (73 mm) B = 4 ¹ /4" (108 mm)	90°: $A = 7^{3}/_{16}$ " (183 mm) $B = 8^{1}/_{2}$ " (216 mm)			
	Hold open points up to maximum opening with HEDA arm	100°: $A = 6^{1}/16'' (154 \text{ mm})$ $B = 7^{1}/4'' (184 \text{ mm})$			
		or 110°: $A = 5^{1}/16$ " (129 mm) $B = 6^{3}/8$ " (162 mm)			

- 4040XP Series closers ordered with EDA or CUSH arms include 4040XP-201 fifth hole spacer to support the shoe SCUSH stop points are approximately 5° more than templated stop point
- Hold open at templated stop points

Accessories

Cylinders



4040XP-3071 Cast iron cylinder assembly (CYL)

- Non-handed
- Heavy duty



4041-3071 DEL Delay Action Cylinder (CYLDEL)

- Used for delayed action closing
- Non-handed
- Heavy duty

Covers



4040XP-72 Plastic Cover (PC)

- Non-handed
- Includes 4040XP-54 snap-on cover clip



4040XP-72MC Metal Cover (MC)

- Handed
- Required for plated finishes and custom powder coat finishes
- Optional

Arms



4040XP-3077 Regular Arm (REGARM)

- Non-handed
- Mounts pull side or top jamb with shallow reveal P4041 closer includes PA shoe, 4040XP-62PA required for parallel arm mounting



4040XP-3077L Long Arm (LONG)

- Non-handed
- Includes long rod and shoe, 4040XP-79LR for top jamb
- Optional



4040XP-3077ELR Extra Long Arm (XLONG)

- Non-handed
- Includes extra long rod and shoe, 4040XP-79ELR for top jamb mount with deep reveal
- Optional



4040XP-3049 Hold Open Arm (H)

- Non-handed
- Mounts pull side or top jamb with shallow reveal, hold open adjustable shoe
- 4040XP closer includes 4040XP-62PA shoe required for parallel arm mounting
- Optional



4040XP-3049L Hold Open Long Arm (HLONG)

- Non-handed
- Includes long head and tube, 4040XP-3048L for top jamb mount
- Optional



4040XP-3077EDA Extra Duty Arm (EDA)

- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations
- Optional



4040XP-3049EDA Hold Open Extra Duty Arm (HEDA)

- Handed
- Parallel arm features forged, solid steel main and forearm for potentially abusive installations
- Hold open function is adjusted at the shoe
- Optional



4040XP-3077EDA/62G Extra Duty Arm with 62G Thick Hub Shoe (EDAW62G)

- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance
- Optional



4040XP-3049EDA/62G Hold Open Extra Duty arm with 62G Thick Hub Shoe (HEDA62G)

- Handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance; hold open function is adjusted at the shoe
- Optional



4040XP-3077CNS Cush-n-Stop Arm (CUSH)

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



4040XP-3049CNS Hold Open Cush-n-Stop Arm (HCUSH)

- Non-handed
- Hold open function with templated stop/hold open points
- Handle controls hold open function
- Optional

Accessories

Arms (cont.)



Spring Cush-n-Stop Arm (SCUSH)

- Non-handed
- For potentially abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
- Optional



4040XP-3049SCNS Spring Hold Open Cush-n-Stop Arm (SHCUSH)

- Non-handed
- For potentially abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
- Handle controls hold open function
- Optional

Installation accessories



4040XP-18 Plate

- Required for hinge side mount where top rail is less than 3 3/4" (95 mm)
- Requires minimum 2" (51 mm) minimum top



4040XP-18G Plate

- Locates top jamb mounted closer flush with top of head frame face in flush ceiling condition
- Requires 1 3/4" (44 mm) minimum head frame



4040XP-18TJ Plate

 Centers top jamb mounted closer vertically on head frame where face is less than $3\frac{1}{2}$ " (89 mm). Plate requires 1 3/4" (44 mm) minimum head frame



4040XP-18PA Plate

- Required for parallel arm mounting where top rail is less than $5\frac{1}{2}$ " (140 mm), measured from the stop
- Requires 2" (51 mm) minimum top rail



4040XP-62PA PA shoe

Required for parallel arm mounting



4040XP-30 **CUSH** shoe support

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



4040XP-61 Blade stop spacer

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



4040XP-419

PA flush panel adapter

- Provides horizontal mounting surface for parallel arm shoe on single rabbeted or flush frame
- Optional



4040XP-62A

Auxiliary shoe

- Requires a top rail of 7" (178 mm)
- Shoe replaces -62PA for parallel arm mounting of regular arm with overhead holder/stop
- Optional



4040XP-54 Snap-on cover clip

Used to secure 4040XP-72 plastic cover to cylinder body

Introduction

Ordering information

How-to-order 4040XP Series closers

1. 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
- Standard cover
- Regular arm
- Self reaming and tapping screws (unless options listed below are selected)

Closer options

Cylinder

☐ Delay Action Cylinder (CYLDEL)

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 (use with powder coat finishes only)

Δrm

- ☐ Regular Arm (REGARM)
- ☐ Regular Arm with Parallel Arm Bracket (RWPA)
- ☐ Regular Arm with 62A Auxiliary Shoe (RW62A)
- ☐ Long Arm (LONG)
- ☐ Extra Long Arm (XLONG)
- ☐ Hold Open Arm (H)

- ☐ Hold Open with Parallel Arm Bracket (HWPA)
- ☐ Hold Open Long Arm (HLONG)
- ☐ Extra Duty Arm (EDA)
- ☐ Extra Duty Arm with 62G Thick Hub Shoe (EDAW62G)
- ☐ Hold Open Extra Duty Arm (HEDA)
- ☐ Cush-n-Stop Arm (CUSH)
- ☐ Hold Open Cush-n-Stop Arm (HCUSH)
- ☐ Spring Cush-n-Stop Arm (SCUSH)
- ☐ Spring Hold Open Cush-n-Stop Arm (SHCUSH)

Optional screw packs

- ☐ Through Bolt¹ Self Reaming and Tapping Screws (TBSRT)
- ☐ Wood and Machine Screws (WMS)
- Through Bolt¹ Wood and Machine Screws (TBWMS)

☐ Through Bolt¹ and Torx Machine Screws (TBTRX)

Installation accessories

- □ Plate, 4040XP-18
- □ Plate, 4040XP-18TJ
- ☐ Plate, 4040XP-18G
- ☐ Plate, 4030-18PA
- ☐ CUSH shoe support, 4040XP-30
- ☐ Blade stop spacer, 4040XP-61
- ☐ Auxiliary shoe, 4040XP-62A
- □ PA flush panel adapter, 4040XP-419

Special template

ST-	

1. Specify door thickness if other than 1 $^{3}/_{4}^{\shortparallel}$.

Table of sizes

- 4040XP cylinders are adjustable from size 1 through size 6 and is shipped set to size 3
- Closing power of 4040XP Series closers may be adjusted 50%

Exterior (and vestibule) door width



Interior door width

	24" 610mm		0" 2mm			48" 1219mm		54" 1372mm		60" 1524mm	
*4040	סצם	size 2	size 3	3	size 4	4	size !	5	size	6	
404	JAI	Minimum d	loor widt	:h							

Indicates recommended range of door width for closer size.
* Adjustable Size I thru 5.

Reduced opening force 4040XP 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.	4040XP	4040XP	4040XP
5.0* lbs.	4040XP	4040XP	4040XP
		-	

* Maximum opening force.

4040XPT Series



The 4040XPT is a Grade 1 device featuring a cast iron body and Liquid X Fluid ideal for pull or push side placement in high traffic applications. Its high-quality construction provides for reliable performance.

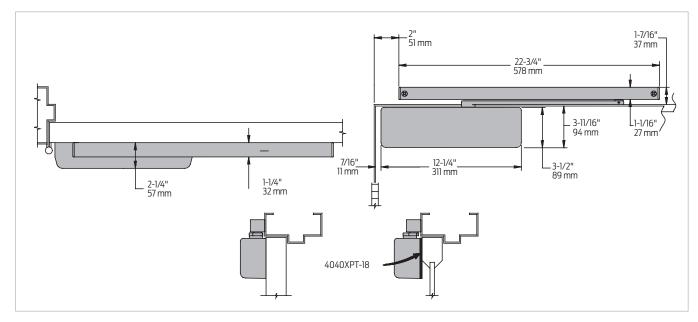
Features

Certifications	Grade 1 - ANSI A156.4, UL 10C, ADA, 100 hour salt spray, meets BAA - Buy American Act	
Body construction	 Cast iron body Full complement bearing 1½" diameter piston Double heat treated pinion journal 	
Fluid	All weather liquid X fluid	
Handing	Non-handed	
Size	Adjustable spring size 1-4	
Warranty	30 years	

Cover	Plastic Cover (PC), standardMetal Cover (MC), optional		
Fasteners	Self reaming and tapping screws (SRT)		
Mounting	Pull side on door, pull side top jamb, push side on door		
Arms	Standard arm and track with roller		
Finishes/colors/ powder coat	 689 Aluminum 690 Statuary bronze 691 Light bronze 693 Black 695 Dark bronze 696 Brass Custom colors optional 		
	Optional SRI primer - powder coat onlyOptional plated finishes		

Customized installation templates or products may be available to solve non-standard applications. **Special** templates Contact LCN Product Support for assistance. Finish Mounting Cover Cylinder Arm function* aricurisht lest deling shape (digus) i justyhtusy Delay Action parallel arm Eusible Link EDANHEDA CILAVB* Available Closer available with less than 5.0 lbs. opening force on 36" door. * Maximum opening/hold open point with standard template. Not available ** Advanced Variable Back Check. *** Delay feature incorporates standard 4040 cylinder (not XP).

Hinge (pull) side mounting



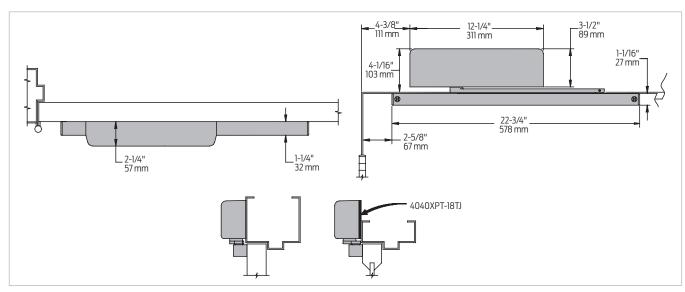
Butt hinges	Should not exceed 5" (127 mm) in width	
Auxiliary stop Recommended at hold open point or where a door cannot swing 120° Optional track bumper assembly assists back check in cushioning the opening swing of Track bumper is not intended to replace an auxiliary stop		
Reveal	Should not exceed ¹ / ₈ " (3 mm) for standard arm	
Top rail	Less than 3 $^{3}/_{4}$ " (95 mm) requires plate, 4040XPT-18. Plate requires 1 $^{13}/_{16}$ " (44 mm) minimum.	
Head frame	Requires 1 ¹ / ₄ " (32 mm) minimum	
Clearance	ance 2 1/4" (57 mm) behind door required for 90° installation	
Maximum opening	 Templating allows 120° with standard arm, limited to 110° when optional bumper is installed Variable hold open angles with infinite options 	

Note: Consult factory for applications where door must swing 180 $\!\!^{\circ}\!\!.$

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Mounting details

Top jamb (pull) side mounting



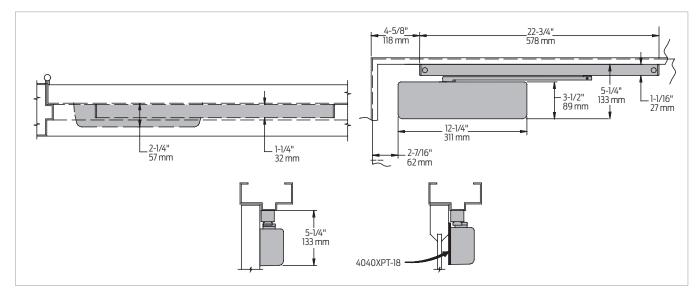
Butt hinges	Should not exceed 5" (127 mm) in width	
Auxiliary stop	 Recommended at hold open point or where a door cannot swing 180° 	
	 Optional track bumper assembly assists back check in cushioning the opening swing of the door 	
	 It is not intended to replace an auxiliary stop 	
Reveal	Should not exceed 1/8" (3 mm)	
Head frame	Less than 3 7 /8" (98 mm), requires plate, 4040XPT-18TJ. Plate requires 1 3 /4" (44 mm) minimum.	
Clearance	1 ¹ / ₄ " (32 mm) behind door required for 180° installation	
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° 	
	 Variable hold open angles with infinite options 	

Note: Consult factory for applications where an exterior or large/heavy door must swing 180°

Introduction

Mounting details

Stop face (push) side mounting



Butt hinges	singes Should not exceed 5" (127 mm) in width	
Auxiliary stop	 Recommended at hold open point or where a door cannot swing 120° Optional track bumper assembly assists back check 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, 4040XPT-18 Plate requires 3 1/2" (89 mm) minimum 	
Stop width	Minimum 1 1/4" (32 mm)	
Maximum opening	 Templating allows 120° with standard track arm, limited to 110° with optional bumper tracks Variable hold open angles with infinite options 	

Note: Consult factory for applications where door must swing 180 $\!\!^{\circ}\!\!.$

Accessories

Cylinders



4040XPT-3071 Cast iron cylinder assembly (CYL)

- Non-handed
- Standard

Covers



4040XPT-72

Plastic Cover (PC)

- Non-handed
- Snap-on
- Standard



4040XPT-72MC Metal Cover (MC)

- Handed
- Required for plated finishes and custom powder coat finishes
- Optional



4040XPT-3077T Standard Arm (STDTRKARM)

- Non-handed
- Arm does not include track roller



4040XPT-3077DE **Double Egress Arm** (DE)

- Handed
- For double egress doors and frames
- Does not include track roller
- Maximum reveal is 2 11/16" (68mm)
- Optional

Tracks



4040XPT-3038 Standard Track (STDTRK)

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



4040XPT-3038B Track with Bumper (BUMP)

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



4040XPT-3038H Hold Open Track (H)

- Non-handed
- With hold open clip installed
- Will accept bumper assembly
- Optional



4040XPT-3038HB Hold Open Track with Bumper (HBMP)

- Non-handed
- With hold open clip and bumper assembly installed
- Optional

Installation accessories



4040XPT-18 Plate

- Required for pull side (door mount) installations where top rail is less than 3 3/4" (95 mm)
 - 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
 - Requires minimum 3 1/2" (89 mm) top rail



4040XPT-18TJ

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



4040XPT-169 Track bumper

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



4040XPT-3054 Hold open clip

- Mounts in track to provide hold-open function
- Hold open point controlled by clip location
- Consists of clip and mounting screws
- Requires 4040XPT-3034H hold open track roller





4040XPT-3034

Track roller

- Quiet, low friction roller assembly
- Shoulder dimension "X" = 1/8" (3mm)





- Shoulder dimension "X" = 1/8"



- Quiet, low friction roller assembly
- (3mm)

Introduction

Series

Ordering information

How-to-order 4040XPT Series closers

1. 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
- Standard cover
- Standard arm
- Track roller
- Standard track
- Self reaming and tapping screws (unless options listed below are selected)

Closer options

Cover

☐ Metal Cover (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

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

Screw pack

- ☐ Through Bolt¹ Self Reaming and Tapping Screws (TBSRT)
- □ Wood and Machine Screws (WMS)
- ☐ Through Bolt¹ Wood and Machine Screws (TBWMS)
- ☐ Torx Machine Screws (TORX)
- ☐ Through Bolt¹ and Torx Machine Screws (TBTRX)

Installation accessories

- ☐ Plate, 4040XPT-18
- ☐ Plate, 4040XPT-18TJ

Special template

□ ST-____

1. Specify door thickness if other than 13/4".

Table of sizes

 Non-sized 4040XPT Series cylinder is adjustable from sizes 1 through 4 and is shipped set to size 3

Interior door width



→ Indicates recommended range of door width for closer size.

Reduced opening force 4040XPT 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.



ı	Door width	36"	42"	48"
	8.5* lbs.	N/A	N/A	N/A
	5.0* lbs.	4040XPT	4040XPT	4040XPT

* Maximum opening force.