

# 9540 SERIES

Cast Iron Door Closer

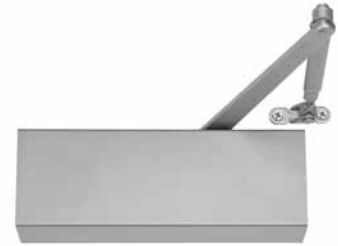


**Norton®**  
**ASSA ABLOY**

ASSA ABLOY, the global leader  
in door opening solutions

## INTRODUCTION

The Norton 9540 Cast Iron door closers provide an ideal retrofit solution for retail, office, government and other commercial facilities. Certified to ANSI/BHMA Grade 1 requirements for long life and reliability, the 9540 is a direct replacement for LCN 4040 closers. Featuring a 25-year warranty, adjustable spring sizes 1-6, and Tri-Style® packaging, this heavy duty closer provides durability and strength for high traffic applications.



## FEATURES

- Cast iron closer body
- Retrofits LCN 4040
- Non-hold open
- Non-handed
- Rack-and-pinion design
- Staked valves
- 2-1/4" (57mm) projection
- 1-1/2" (38mm) diameter piston
- 5/8" (16mm) diameter pinion journals
- Mounting bracket
- Tri-style® packaging: packed for regular, top jamb or parallel arm mounting
- Adjustable spring sizes 1-6
- Molded ABS plastic cover
- Metal covers (optional)
- 25 year limited warranty

## FUNCTIONS

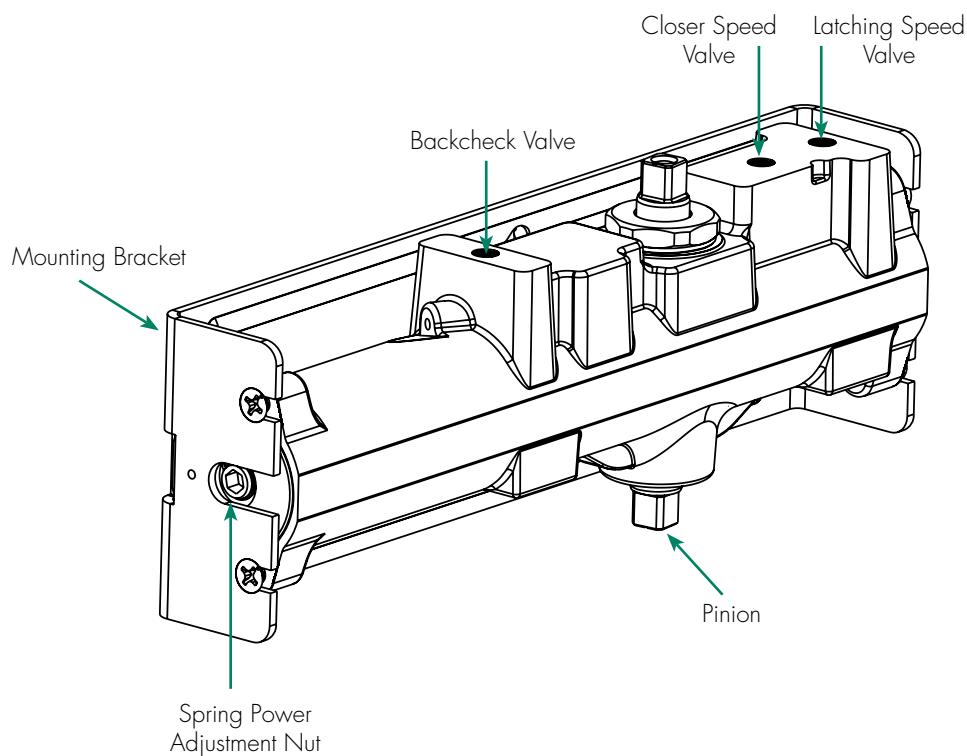
- Standard, separate and independent, latch, sweep and backcheck intensity valves
- Pressure relief valves for both opening and closing cycles, protect the door and frame from damage, and reduces maintenance costs
- Delayed Action (optional)

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# 9540 SERIES CAST IRON DOOR CLOSER

## OVERVIEW



## CERTIFICATIONS

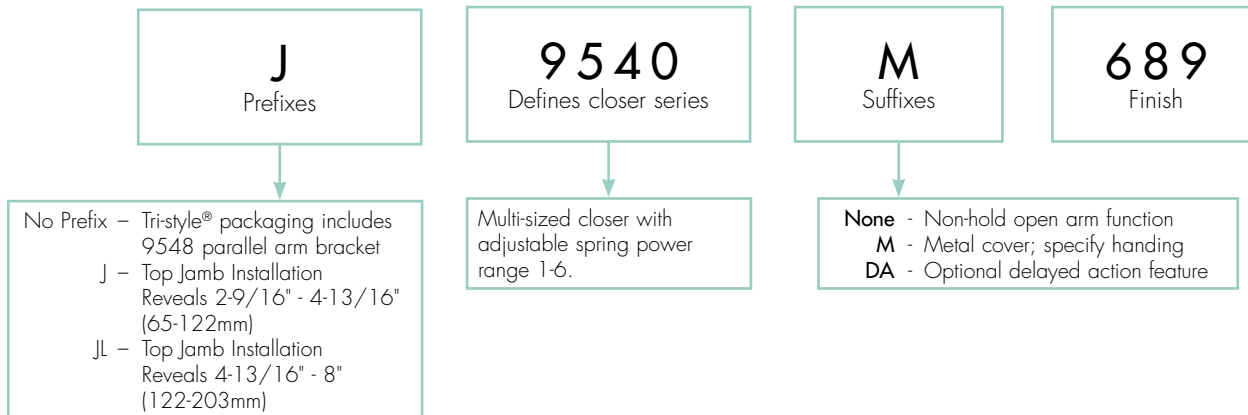
- ANSI/BHMA A156.4, Grade 1 certified 
- UL / cUL listed for use on fire rated doors 
- UL10C listed for positive pressure fire test
- Complies with requirements for the Americans with Disabilities Act (A.D.A) and ANSI standard A117.1 
- This product is manufactured in an ISO 9001 facility

### **CAUTION: Door Closers for Low Opening Force Applications:**

Door closers installed in openings required to meet the requirements of the Americans with Disabilities Act or ANSI/BHMA Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door.

## HOW TO ORDER

NOTE: For optimum protection of door and frame assemblies, always use auxiliary wall, floor, or overhead door stop.



### Notes:

- Door closer warranty becomes void if it is installed on the exterior side of a door in the exterior wall of a building
- It is strongly recommended, and it is required on fire door assemblies, that doors having a door closer be hung on ball-bearing or anti-friction hinges or pivots
- Failure to use the provided type and size fasteners may void factory warranty
- Fasteners for fire/smoke door assemblies must conform to NFPA 80. In some applications additional fasteners may be mandated by NFPA 80 that are not shipped with Norton's standard product.

## FASTENERS

Self drilling screws (for properly reinforced wood and metal doors) are supplied standard.

Sex Nuts & Bolts (SNB's) are optional for Tri-Style® packed closers (Regular, Top Jamb and Parallel arms).

## FINISHES

Norton offers waterborne acrylic, polyester powder coat and plated finishes. Custom finishes are available on special order. A sample and approval is required.

Waterborne acrylic and polyester powder coat will withstand 100 hours of salt spray (ANSI requires 25 hours).

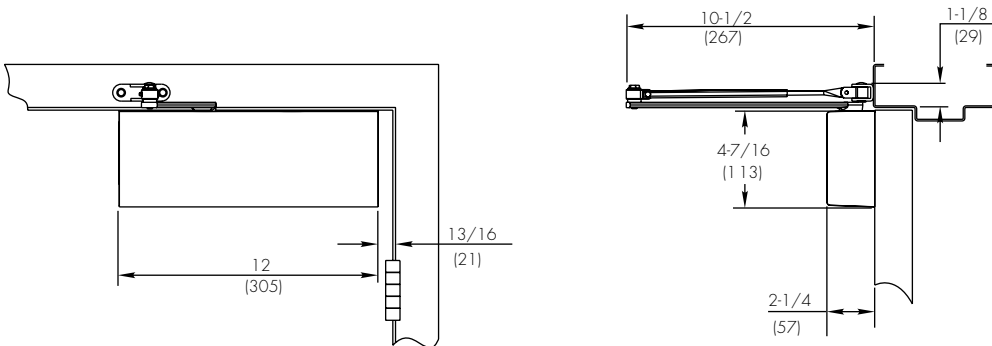
ANSI/BHMA	Description
600*	Prime Coat
605	Bright Brass
606	Satin Brass
611	Bright Bronze
612	Satin Bronze
613E	Dark Oxidized Satin Bronze - Equivalent
619	Satin Nickel
625	Bright Chrome

ANSI/BHMA	Description
626	Satin Chrome
689	Aluminum
690	Statuary Bronze
691	Dull Bronze
693	Black
694	Medium Amber
696	Gold
N/A	556 White

- \* 600 is a special rust-inhibiting prime coat. Closers can be ordered prime coat only (specify closer x 600). An additional charge applies if finish coat is required over prime coat.
- Norton closer bodies and plastic covers are available in waterborne acrylic finishes. Arms and metal covers are available in powder coat or plated finishes.
- When a plated finish is ordered, arm and cover will be plated unless "cover only" is specified.

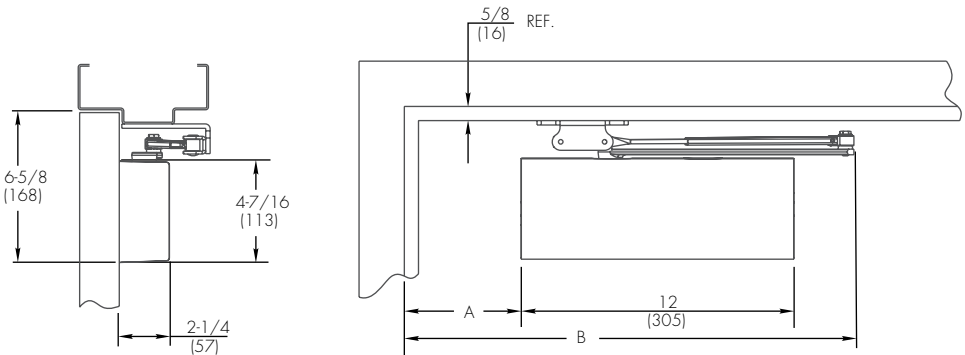
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## TECHNICAL DETAILS - REGULAR ARM



Maximum Door Swing: 120°

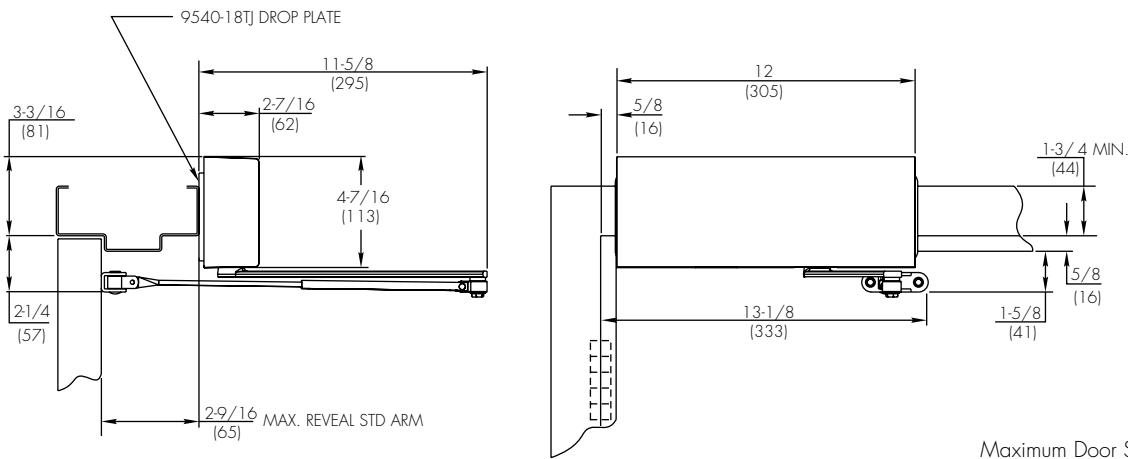
## TECHNICAL DETAILS - PARALLEL ARM



Door Swing	Dimension "A"	Dimension "B"
90°	8-3/16 (208)	22-7/8 (581)
120°	6-5/8 (168)	21-3/8 (543)
180°	5-3/16 (132)	19-7/8 (505)

Minimum Top Rail: 5-5/8" (143)

## TECHNICAL DETAILS - TOP JAMB



Maximum Door Swing: 120°

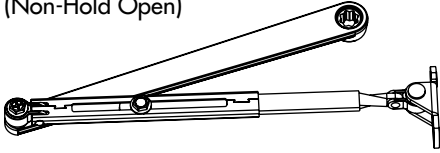
### Notes:

- Closers are tri-packed for regular arm, parallel arm and top jamb mounting. Parallel arm bracket is included.
- Consult factory if door weight exceeds 250lbs.

## ARM OPTIONS

### Regular & Top Jamb Arms

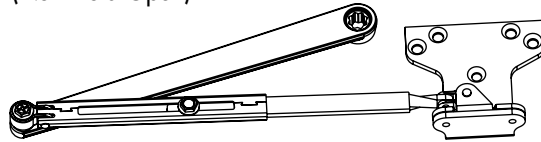
9541-1  
(Non-Hold Open)



- Used with Regular Arm mounting (pull side) and Top Jamb mounting (push side)
- Top jamb arm will accommodate reveals up to 2-9/16" (65mm)
- Available in painted or plated finishes

### Parallel Arm

9541-5  
(Non-Hold Open)

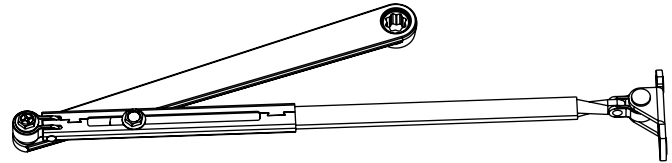


- Mounted on push side
- Non-hold open arm – combines regular arm with parallel arm mounting bracket
- Hold open arm – combines regular hold open arm with parallel arm mounting bracket
- Available in painted or plated finishes

### Top Jamb (Deep Reveal)

(Non-Hold Open)

Arm Assembly	Reveal
9541-1A	2-9/16" – 4-13/16" (65-122mm)
9541-1B	4-13/16" – 8" (122-203mm)

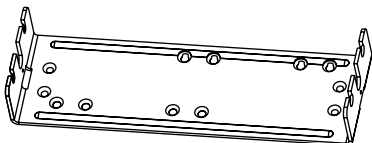


- Mounted on push side
- Available in painted or plated finishes

### Mounting Bracket

9540-CMB

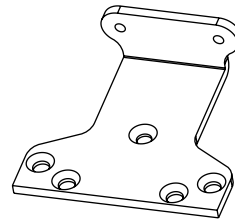
- Standard on all closers
- Reduces installation time
- Ensures correct mounting
- Bracket is first mounted to door or frame, then closer is attached
- Bracket size: 3-5/8" (92mm) x 11-1/2" (292mm)
- Hole spacing: 1" (25mm) x 10" (254mm)



### Parallel Arm Non-Hold Open Bracket

9548

- Converts regular arm to parallel arm closer
- Standard with parallel arm mounting



Specify finish when ordering arms.

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## COVERS AND PLATES

### ABS Plastic Cover

#### 9500P

- Completely covers closer body
- Non-handed
- Dimensions: 12" (294) x 4-7/16" (109) x 2-1/4" (55)
- Available in painted finishes only



### Metal Cover

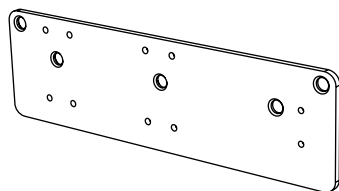
- For use in high-abuse applications
- Specify hand; not field reversible
- Dimensions: 12" (294) x 4-7/16" (109) x 2-1/4" (55)
- Available in painted and plated finishes

Part Numbers	Handing
9540M-1	Right Hand Application
9540M-2	Left Hand Application

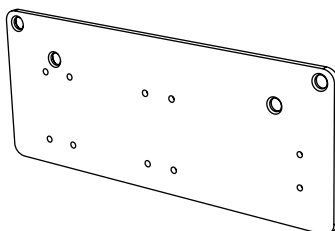


## Drop Plates

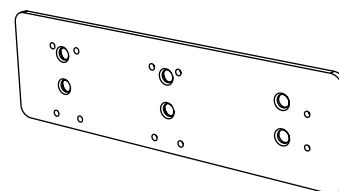
### 9540-18 regular arm



### 9540-18PA parallel arm



### 9540-18TJ top jamb



For top jamb mounting with low ceiling clearance, contact Technical Product Support Dept. at 800-438-1951 x 4706.

## PARTS LIST

### DOOR CLOSER BODY ASSEMBLIES

Part Number	Description
9500LAP	Multi-Size Closer Body

LAP = Less All Parts

## SCREW PACKS

SP9540	Standard screw package
SP9540SNB	Sex Nuts and Bolts (SNB) for 1-3/4" door
95ASW	Main arm screw & washer
SP9500COV	Cover screw pack

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Vaughan, Ontario, L4K 4T9 Canada  
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