

The ASSA ABLOY Advantage:

# Cast Iron Door Closers

ASSA ABLOY

With products from ASSA ABLOY Group brands:  
CORBIN RUSSWIN | NORTON | SARGENT

The global leader in  
door opening solutions

The ASSA ABLOY family of premium cast iron door closers includes the Corbin Russwin DC8000, the Norton 9500 and the SARGENT 281. These adjustable sized (1-6), non-handed, big body closers offer a full complement of forged steel arm options and are intended for use in institutional environments. All carry ANSI/BHMA A156.4 Grade 1 certification and are UL listed for labeled fire doors. With many of the same features as competitive offerings, they do offer some notable advantages:

## Quality Construction and Design

ASSA ABLOY cast iron closers are single-piece cast construction. This provides uniform strength and eliminates a leak point found in competitive products that use a cast iron housing connected to a steel tube.

The Corbin Russwin DC8000, Norton 9500 and SARGENT 281 designs all have internal pressure relief valves as a standard feature. Pressure relief valves for both the opening and closing cycle absorb excess force and maintain control of the door. For instance, if a user attempts to aggressively slam a door or push through the closer's closing cycle, pressure relief valves absorb the impact of that force. The door will move only marginally faster — it will not slam — with the pressure relieve valve acting as a shock absorber. Competitive closers without pressure relief valves can't absorb this force and stall through the closing motion, transferring that force to the mounting points, ripping out arm brackets and damaging the door or frame. When the competitive closer stalls, it in effect reduces its overall closing speed, so in an emergency a user may not get the door closed in time.

### Single piece cast construction

- Provides uniform strength and wear resistance
- Eliminates potential leak points

### Pressure relief valves

- Help maintain control of the door
- Act as a shock absorber to protect door and frame

### 25 million cycles, and counting!

- UL witnessed & verified, Feb. 2015

The quality of our designs is also evidenced in our cycle count testing. Our UL witnessed test of 25 million cycles is dated February 2015. The date of the test is important as it reflects the design's revision — some competitors have not retested in over twenty years! We don't believe in standing still and our cycle test continues to run.



Corbin Russwin DC8000



Norton 9500



SARGENT 281

## Installation and Adjustment

Superior product design is only part of the story; installation and adjustment of door closers are of great importance as well. Cast iron closers are heavy, and for that reason ASSA ABLOY products feature a separate mounting plate so installers don't have to balance the full weight of the closer while securing it to the opening.

### Ease of installation

- Separate mounting plate helps ease installation

### Ease of adjustment

- Valves are always easily accessible

The location of our valves is carefully chosen to ensure that they are always accessible (competitors' offerings sometimes require removing the unit from the door to adjust). The valves themselves are brass with a 1/8" hex drive so that the head doesn't strip out. The competitors' valves, in contrast, use zinc and a tiny 3/32" hex.

## Aesthetics

Let's face it — most people don't find closers overly attractive. We tend to think the beauty of a closer is in how well it blends with the opening. Our approach is to offer the full range of architectural finishes to complement the door hardware — including an unlimited choice of special finishes.

### Blends with the opening

- Full range of architectural finishes
- Unlimited special finishes

Our covers are mechanically fastened to ensure they stay in place, both at installation and throughout the life of the product. If you see a closer missing its cover you can probably guess where it came from.

## A Closer for Life

The purchase of an ASSA ABLOY door closer is not a one time transaction but a commitment on our part to support our customers throughout the product's life. Customer service and technical support is available to help you

### Commitment to the Customer

- Customer Service and Technical Support available
- 25 year warranty
- Product End-of-Life Recycling Program

through special situations and answer installation questions, but we're also there for you in the future. We back our cast iron closers with a 25 year warranty because we're confident it will last a long time. If you are looking even further down the road, you may be wondering what happens when you're done with your closer. We've got you covered there as well with our end of life recycling program — just send us the product and we'll process it through our recycling streams for you.

## Product Comparison

Certification and Warranty	Corbin Russwin DC8000	Norton 9500	Sargent 281	LCN 4040XP
ANSI/BHMA A156.4 Grade 1 Certification	Yes	Yes	Yes	Yes
UL & ULC Listed	Yes	Yes	Yes	Yes
Warranty	25 years	25 years	25 years	30 years
Extended Cycle Testing	25 million cycles UL witnessed 2/2015; still running	25 million cycles UL witnessed 2/2015; still running	25 million cycles UL witnessed 2/2015; still running	No current cycle test data available; last available is 20+ years old for 4040
End of life recycling program available	Yes	Yes	Yes	No
Size & Construction	Corbin Russwin DC8000	Norton 9500	Sargent 281	LCN 4040XP
Construction	Single piece cast iron	Single piece cast iron	Single piece cast iron	2-Piece cast and steel assembly
Strength or Size	Adjustable 1 to 6	Adjustable 1 to 6	Adjustable 1 to 6	Adjustable 1 to 6
Handed Closer Body	Non-Handed	Non-Handed	Non-Handed	Non-Handed
Arm Material	Forged Steel	Forged Steel	Forged Steel	Forged Steel
Standard Checking Control	Yes	Yes	Yes	Yes
Pressure Relief Valve with two-stage checking control	Yes	Yes	Yes	No
Installation and Finishes	Corbin Russwin DC8000	Norton 9500	Sargent 281	LCN 4040XP
Regular Arm Application	2 Arm Options	2 Arm Options	6 Arm Options	4 Arm Options
Top Jamb Application	4 Arm Options	4 Arm Options	5 Arm Options	2 Arm Options
Parallel Arm Application	2 Arm Options	2 Arm Options	7 Arm Options	3 Arm Options
Track Application	8 Track Options	8 Track Options	13 Track Options	8 Track Options
High Impact Plastic Cover	Standard	Standard	Standard	Standard
Metal Cover Option	Yes	Yes	Yes	Yes
Hardware Finish	Optional	Optional	Optional	Optional
Finishes	6 Powder Coat; 6 Plated; Unlimited Special Finishes	6 Powder Coat; 6 Plated; Unlimited Special Finishes	5 Powder Coat; 9 Plated; Unlimited Special Finishes	6 Powder Coat; 7 Hardware Finishes
Options	Corbin Russwin DC8000	Norton 9500	Sargent 281	LCN 4040XP
Heavy Duty Arms	9 Parallel	9 Parallel	7 Parallel and 2 Regular	6 Parallel
Delayed Action	Optional	Optional	Optional	Optional

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ASSA ABLOY is the global leader in door opening solutions dedicated to satisfying end-user needs for security, safety and convenience

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