

DC6000 Series

Door Closers



ASSA ABLOY, the global leader
in door opening solutions



Introduction

DC6000

Applications

Corbin Russwin's history combines high-quality product and innovative design. That tradition continues with the Grade 1 DC6000 Series door closer, designed and engineered with quality features such as captured valves and a complete range of arms. The DC6000 series is the perfect closer for high-use openings or openings that must meet ADA requirements, such as schools, office buildings, health care facilities, and retail complexes. The series also meets UL and UL10C positive pressure requirements for fire door openings.

Quality

More than meets the eye...The design of the DC6000 Series incorporates internal advantages engineered to provide consistent quality operation. Double O-rings, a robust spring tube design and captured valves ensure longevity.

Security

Engineered to meet high security standards, the DC6000 offers a full array of security features. Heavy-duty arms offer increased strength for high-use, high-abuse situations. Captured valves and optional Torx® security screws also assist in security situations by making the closer tamper resistant.

Key Advantages

- Heavy-duty forged arm
- Spring-adjust
- Captured valves
- Self-drilling screws
- Quik-Install™ bracket
- Cast iron body
- Retrofit plates
- Powder painted arms

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Versatility

Conditions vary from job to job, but a top-quality product that is dependable, easy to install and versatile is a must. The DC6000 Series door closer is the solution. A variety of features makes this the choice for retrofitting, quick installation, and longevity. Corbin Russwin offers a wide variety of arms, tracks and special brackets to meet special header/ frame conditions. The small footprint and unobtrusive cover are additional advantages to a versatile line of closers.

Features	Benefits
Exceeds 15 Million Cycles	Ensures dependability and long life
Closer Arms	Forged steel main arm for strength and durability Full complement to meet most installation demands
Powder Painted Arms	Environmentally safe process Greater corrosion resistance
Cover Options	Plastic covers - painted finishes Metal covers - painted or plated finishes
Cast Iron Body	Strong and durable; withstands expected abusive conditions
Captured Valves	Reduces possibility of valve removal
Spring Adjust	Easier to adjust for optimum power setting
Springs	Chrome silicon wire, triple set for longer life
Closer Fluid	Extended temperature oil with friction-reduction additives
Self-Drilling Screws	Easier, quicker installation
Quik-Install™ Bracket	Easier installation of closer body

Features

DC6000

DC6200 - Multi-Sized DC6400 - Sizes 1-6, half size adjustable

Features

Spring Power

DC6200 closers: multi-sized; fully adjustable sizes 1 through 6.
DC6400 closers: sizes 1 through 6; half-size adjustability.
For recommended sizes, see page 14.

Handing

Non-handed (with the exception of some arms and accessories).

Body

Cast-iron case with seamless cold headed steel spring tube.

Arm

Standard: forged steel.
Arm options pages 8-10.

Spindle

Heat-treated steel with a crowned gear set for increased efficiency.

Piston

1-3/8" diameter; precision machined, heat-treated steel.

Springs

Chrome silicon wire.

Valves

Latching speed valve standard.

Closing speed valve standard.

Multiple backcheck location valve and backcheck intensity valve standard.

Delayed action valve optional. Delayed action preset for 20 seconds. Between 90° and 70° for all mountings. To order specify M71.

Seals

"O" rings.

Fluid

Standard: high lubricity extreme temperature hydraulic fluid.

Degree of Opening

Up to full 180° opening standard for regular, top jamb and parallel arm mountings, conditions permitting.

Power Adjustment Arm Bracket

15% adjustment standard.

Cover

Standard: plastic V-O flame rated cover.
Optional: full metal cover; specify M73 x hand.

Mountings

Standard: regular or top jamb.
Parallel arm or tri-style packaging: specify DC6210 or DC6410.
Optional mountings available; see Mountings, page 6.

Mounting Bracket

Quik-Install™ mounting bracket standard.

Fasteners

Standard: self-drilling screws.
Optional: sex nuts and bolts (SNBs); specify M54.

Corrosion Protection

Painted protective coating on all metal surfaces for use in corrosive environments.

Security Package

Includes heavy-duty parallel or regular arm, full metal cover and security Torx® machine screws. Specify M87 x arm x hand. See pages 8-12 for arm options.

Warranty

25-year limited warranty. Refer to Corbin Russwin price book for details.

Finishes

Specify	Description
600 (USP)	Primed
BHMA 605 (US3)*	Bright Brass
BHMA 606 (US4)*	Satin Brass
BHMA 611 (US9)*	Bright Bronze
BHMA 612 (US10)*	Satin Bronze
613E	Dark Oxidized Satin Bronze, Equivalent
BHMA 625 (US26)*	Bright Chromium Plated
BHMA 626 (US26D)*	Satin Chromium Plated
689 (SBL)	Silver Aluminum
690 (LBL)	Dark Bronze
691 (DBL)	Light Bronze
693 (FBL)	Black
696 (GBL)	Satin Brass

*Metal cover is required for these finishes.

For split finish on closer cover and arm, specify cover finish first, then arm finish. (e.g., DC6200 x 625 x 689).

Certification/Compliance



Barrier-Free Code Compliance

The DC6000 Series Door Closers listed below conform to the 5 lbf. maximum door opening force requirement for non-fire-rated interior hinged doors, according to:

Americans with Disabilities Act (ADA)

Complies with the Accessibility Guidelines for Buildings and Facilities, Section 4.13.11

ANSI/BHMA

Meets A156.4, Grade 1.

Meets A117.1.

DC6200	DC6412
DC6210	DC6421
DC6220	DC6401
DC6411	

These door closers are certified by Corbin Russwin Architectural Hardware to comply with the above standards when properly installed and (if applicable) adjusted, in regular arm, parallel arm and top jamb mountings.

UL / ULC / UL10c

Listed for fire and cycle requirements.

15 Million Cycles

Witnessed and verified by UL

Mountings and Applications

DC6000



Regular Arm Mounting DC6200, DC6400 Series

Most common mounting, providing the greatest closing efficiency. Closer is mounted on the pull side, with the arm almost perpendicular to the face of the door. Arm bracket is attached to the door frame.



Parallel Arm Mounting DC6210, DC6410 Series

Allows inside application of closer on out-swinging doors. Closer is mounted on the push side, with the arm almost parallel to the face of the door. Arm does not project from the opening.



Top Jamb Mounting DC6220, DC6420 Series

Closer is mounted on the frame on the push side, with the arm perpendicular to the face of the door. Arm bracket is mounted on the door. Minimum 1-3/4" (44mm) top jamb required. Accommodates reveals up to 3-1/4" (83mm).



Track Mounting DC6230, DC6430 Series

Closer is top jamb mounted on the pull side; arm is connected to a door-mounted track. Maximum degree of opening is 110°. Maximum closing power is size 4. Minimum 3" (76mm) frame face required.



Track Mounting DC6240, DC6440 Series

Closer is mounted on push side of door; arm is connected to a stop-mounted track. Maximum degree of opening is 110°. Maximum closing power - size 4.