Corbin Russwin

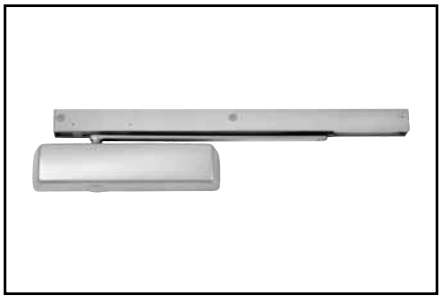
ASSA ABLOY

DC5000 Series

Cam Action Door Closer



ASSA ABLOY, the global leader
in door opening solutions



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Introduction

DC5000

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Applications

The DC5000 Series is a cam action door closer for slide arm and track applications. The cam action design is ideal, as it provides much greater efficiency than a rack and pinion door closer for slide track applications. The cam action provides much lower opening resistance while delivering optimum closing force and control. The door closer's wide range of adjustable closing power permits use in the most demanding situations. The efficiency and flat power curve comply with the opening force requirements of the Americans with Disabilities Act (ADA).

The DC5000 series cam action door closers come standard with adjustable sweep speed and latch speed, closing control and adjustable backcheck cushioning in the opening cycle. Ideal for door openings in both new construction and renovations, including:

- Hospitals
- Universities
- Office Buildings

Features

- Smooth operation; efficient, powerful, heavy-duty
- Easier to open than rack-and-pinion door closers with track arms
- Slide track application with regular arm operating efficiency
- Slide track standard
- Adjustable spring size 1 through 6
- Adjustable closing force
- Adjustable closing and latching speed
- Backcheck standard
- Non-handed
- Push or pull side installation
- Cast aluminum body

Optional Feature

- Hold open

Advantages

- Meets or exceeds ANSI/BHMA A156.4 Grade 1 requirements
- Compliance with building and barrier-free codes
- 110° opening range for Push Side and Pull Side installations
- Ten-year limited warranty
- UL10C, UBC

Features

DC5000

Features

Spring Power
Multi-sized; fully adjustable 1 through 6.

Handing
Non-handed.

Body
Cast aluminum body.

Arm
Standard: stamped steel.

Spindle
Machined spline.

Piston
1-1/2" diameter; Precision machined, heat treated steel.

Valves
Latching speed, closing speed and backcheck intensity valves standard.

Seals
"O" rings.

Fluid
Standard: high lubricity extreme temperature hydraulic fluid.

Degree of Opening
110° opening range for Push Side and Pull Side installations. Recommended maximum interior door width is 54" (137cm) and the recommended maximum door weight is 250 lbs.

Note: Door openings greater than 110° can be achieved when an auxiliary door stop (by others) is used. Consult factory for details and templates.

Cover
Standard: non-metallic full cover.

Mountings
Standard: slide track.

Fasteners
Standard: self-drilling screws, 1/4-20 machine screws.
Optional: sex nuts and bolts (SNBs); Specify M54.

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

Certification/Compliance

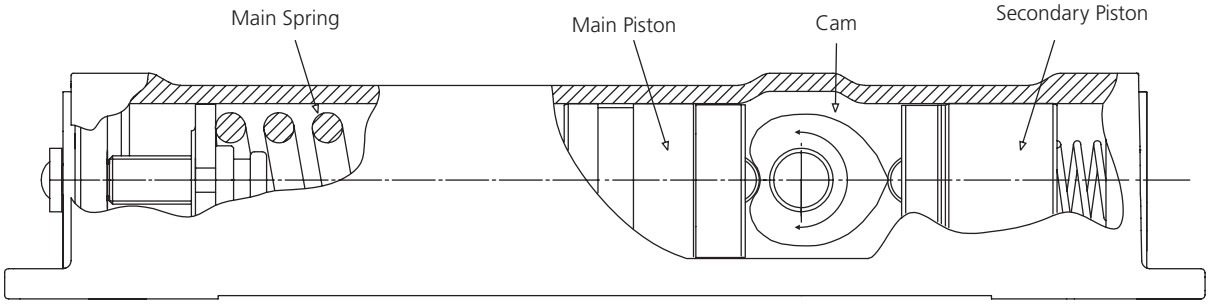
Barrier-Free Code Compliance

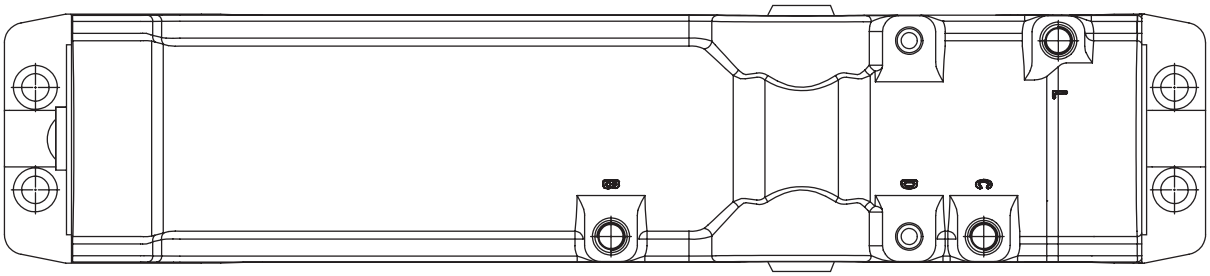
The DC5000 Series Door Closers listed below conform to the 5 lbf. maximum door opening force requirement for non-fire-rated interior hinged doors, according to:

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.

UL / ULC / UL10c
Listed for fire and cycle requirements.





Mountings

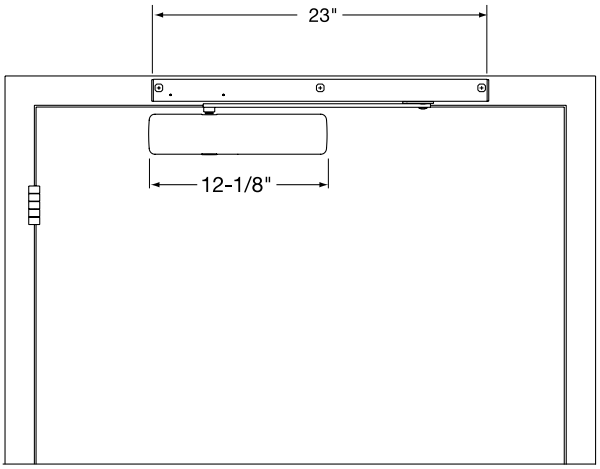
DC5000

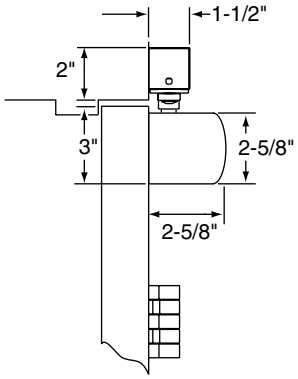


DC5230
HINGE (PULL) SIDE OF DOOR

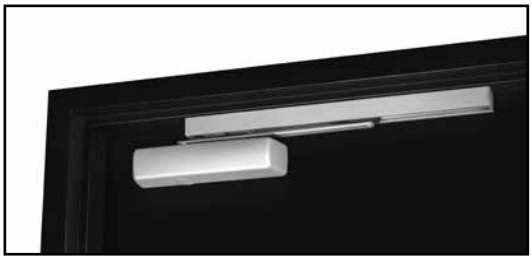
- Maximum interior door width 54" (137cm).
- An auxiliary stop (by others) is suggested where severe conditions exist.
- 110° swing (trim permitting)

Note: Door openings to 160° can be achieved if an auxiliary door stop (by others) is installed to dead stop the door. Consult factory for details.





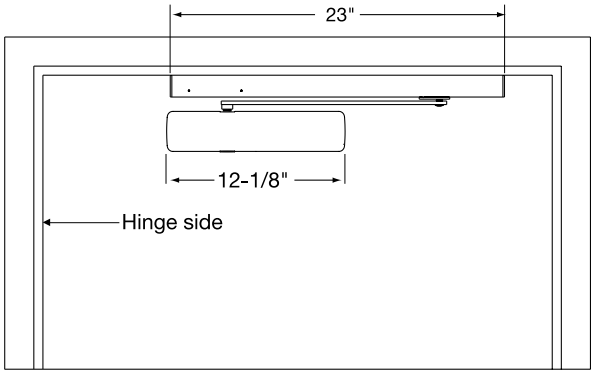
NOTE: Contact factory for use on doors exceeding 250 lbs.

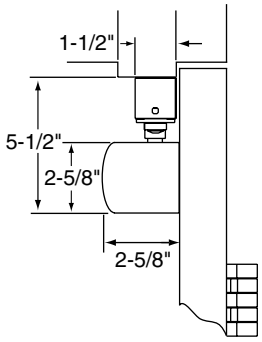


DC5240
STOP (PUSH) SIDE OF DOOR

- Minimum frame reveal is 1-1/2" (13mm).
- An auxiliary door stop is suggested when severe conditions exist.
- 110° swing (trim permitting)

Note: Door openings up to 120° can be achieved if an auxiliary door stop (by others) is installed to dead stop the door. Consult factory for details.





NOTE: Contact factory for use on doors exceeding 250 lbs.

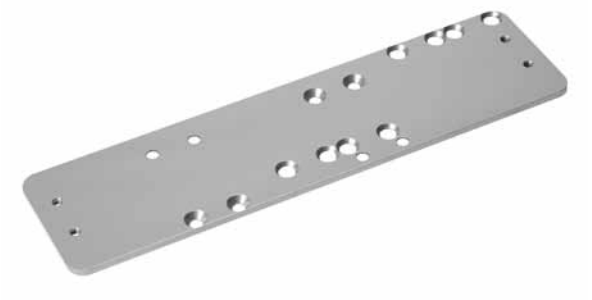
Accessories

DC5000



Drop Plate

For use where the narrow top rail of the door prevents the closer from being mounted directly to the door surface. This drop plate must be used for closer mounted on a top rail between 1-7/8" and 3-3/8" (48mm and 86mm) in height. To order separately, specify 754F80 x Finish.



Retrofit Plate

Allows the DC5000 cam closer to replace the 4040 regular arm or parallel arm closers without modifying the existing hole patterns in the door. To order separately, specify 754F81 x Finish.

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How to Order/Quick Codes

DC5000

Ordering Examples

Stock Order			
Quantity	**Series**	**Arm**	**Finish**
48	DC5230	A1	689

Contract Order				
Quantity	**Series**	**Arm**	**Finish**	**Misc. Options**
100	DC5240	A1	689	M54

Series/Mounting/Size		
Description	**Mounting**	**Specify**
DC5000 Closers Multi-sized; full adjustability from size 1-6	Pull Side Track	DC5230
	Push Side Track	DC5240

Arm	
Description	**Specify**
Regular non-hold open	(standard)
Hold open	A1*

*** Hold Open arms cannot be used on fire doors.**

Handing	
Hand	**Specify**
Right Hand/Left Hand Reverse	RH
Left Hand/Right Hand Reverse	LH

Door Thickness	
Door Thickness	**Specify**
1-3/4" (44mm)	(standard)

Miscellaneous Options	
Description	**Specify**
Sex nuts and bolts (SNBs) (1-3/4" minimum thickness)	M54

Finish		
Description		**Specify**
USP	Primed for Painting	600
SBL	Silver Aluminum Painted	689
LBL	Dark Bronze Painted	690
DBL	Light Bronze Painted	691
FBL	Black Painted	693
GBL	Satin Brass Painted	696

Drop Plate - order by number	
Closer Series	**Drop Plate**
DC5230 (Pull Side Track)	754F80
DC5240 (Push Side Track)	

Retrofit Plate - order by number	
Closer Series	**Retrofit Plate**
DC5230 (Pull Side Track)	754F81
DC5240 (Push Side Track)	

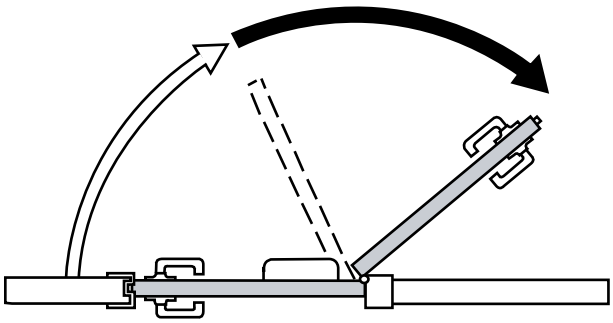
Paint (cans)	
Description	**Specify**
Silver Aluminum	597F94
Dark Bronze	597F95
Light Bronze	597F96
Satin Brass	597F97

Helpful Terms

DC5000

Arm
The linkage of a closer that connects the body to the door or frame.

Backcheck
Slows a door during the opening cycle, by providing cushioned resistance to a forceful opening. Designed to protect people and objects behind the door and to prevent damage to the closer, hardware, and wall. Intensity can be increased or decreased. Not intended to act as a stop.

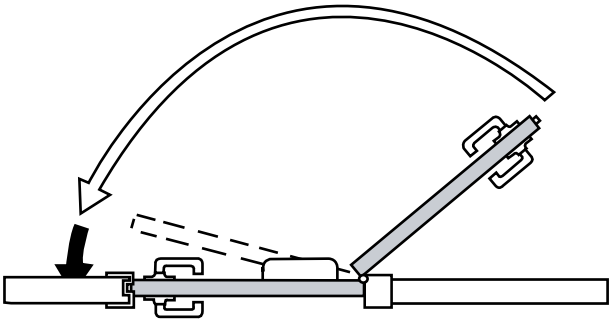


Closing Speed
The speed at which a door swings from the open position to within a few degrees of latching. See Latching Speed.

Door Stop
A device to stop the swing of a door.

Hold Open
Maintains door at a particular degree of opening. A mechanical hold open may not be used on labeled fire doors, which must be self-closing.

Latching Speed
The speed of the door during the last few degrees of closing. Allows latching and prevents slamming.



Mounting
The method by which a closer is attached to the door and frame.

Multi-Sized Closer
A closer whose spring tube design allows full adjustment of the spring power size from 1 through 6.

Sex Nuts and Bolts (SNBs)
Thru-bolts required for all non-steel-reinforced fire doors, and recommended for non-reinforced wood and mineral core doors.

Spring Power
A measurement of closing force, or the ability to overcome draft, air pressure, weight or other resistance to door closing.

Star Punch
An eight-sided socket hole in the closer arm, permitting spindle pre-loading. Provides full functioning of backcheck and delayed action valves, and additional closing force, on parallel arm mountings.

Universal Mounting
The ability of a closer to accommodate either hand of door for regular, top jamb or parallel arm mounting.

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How to Specify

DC5000

Suggested Specifications

1. All door closers shall be DC5000 Series Door Closers as manufactured by Corbin Russwin Architectural Hardware.

2. Door Controls____ (interior) (exterior) swinging door(s) shall be cam and roller design contained within a precision cast aluminum housing.

3. Door closing force shall be adjustable to ensure adequate closing control. Door closing speed shall be controlled by independent hydraulic adjustment valves in the sweep and latch range of the closing cycle. Door closer shall have an adjustable hydraulic backcheck valve to cushion the door speed if door is opened violently.

4. Maximum door open shall be templated to (85°), (90°), (100°), (110°), conditions permitting. Door closer shall have hold open capability with an on/off selector and tension adjustment.

5. Non-hold open units shall be U.L. Listed for self-closing door. Unit shall be in compliance with the requirements of the Americans With Disabilities Act (ADA). ANSI standards A117.1. Units shall meet C-UL US.

6. Closers shall carry a ten-year limited warranty.

Notes

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Notes

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Notes

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For more information regarding Corbin Russwin Locksets, Exit Devices, Door Controls and Key Systems, contact your authorized Corbin Russwin Distributor or Sales Representative.

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