

# Features

## DC6000

### 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
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
Waterborne Acrylic	Withstands 120 hours salt spray testing
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

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: slim cover; specify M76.  
Optional: full metal cover; specify M73 x hand.

#### Mountings

Standard: regular, parallel or top jamb.  
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

Standard: 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

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

#### Finishes

Standard painted finishes

Old Designation	Description	Specify
USP	Primed	600
SBL	Silver Aluminum	689
LBL	Dark Bronze	690
DBL	Light Bronze	691
FBL	Black	693
GBL	Satin Brass	696
Plated finishes available on arms and full metal cover.		
US3	Bright Brass	605
US4	Satin Brass	606
US9	Bright Bronze	611
US10	Satin Bronze	612
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626

For split finish of 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

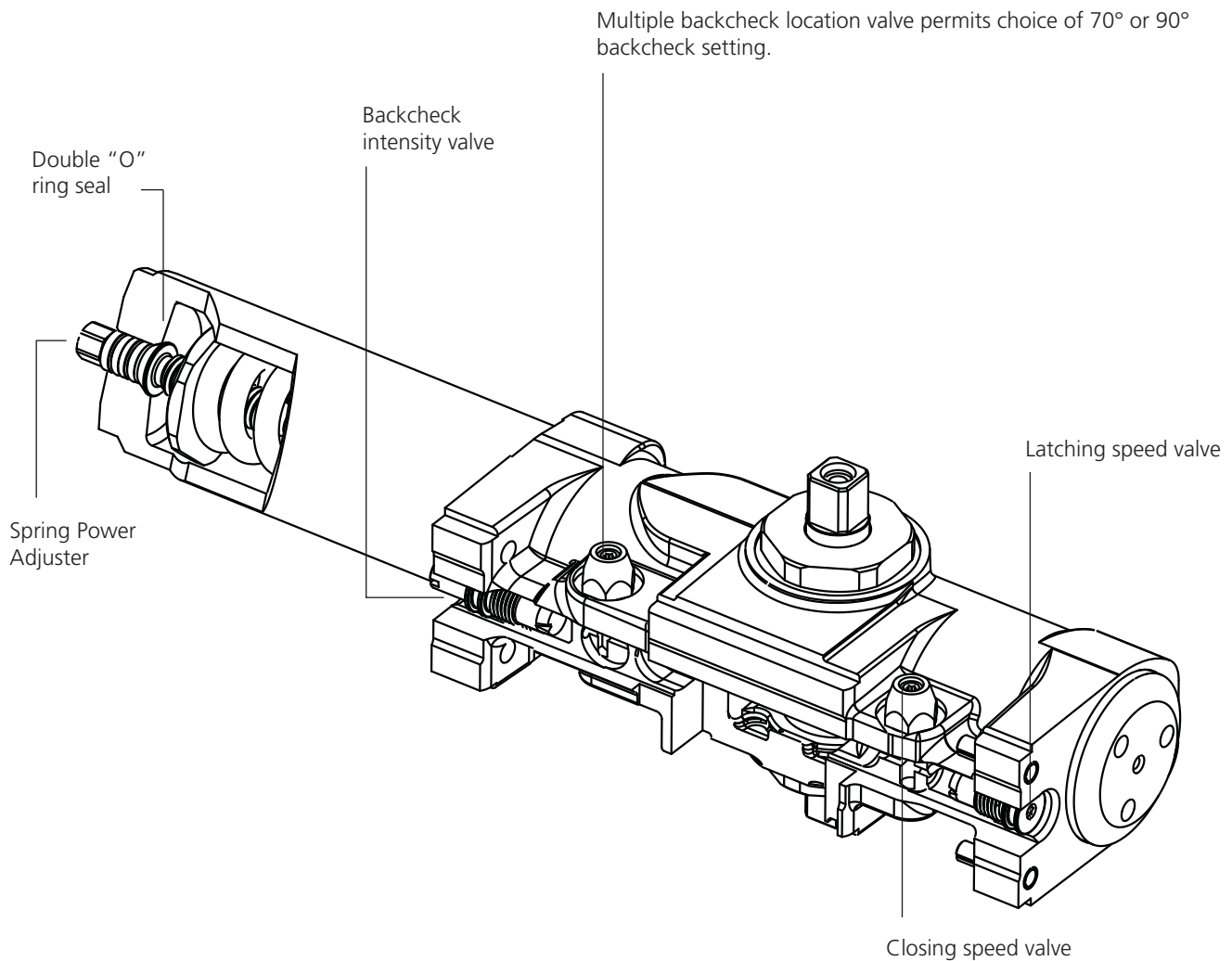
Listed for fire and cycle requirements.

# Features

## DC6000

**DC6200 - Multi-Sized**

**DC6400 - Sizes 1-6, half-size adjustable**



Quik-Install™ mounting bracket included, see p11

# 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.

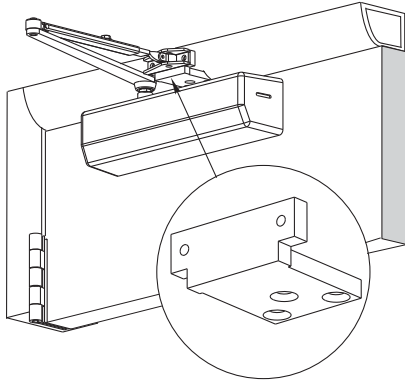


### Track Mounting DC6240, DC6440 Series

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.

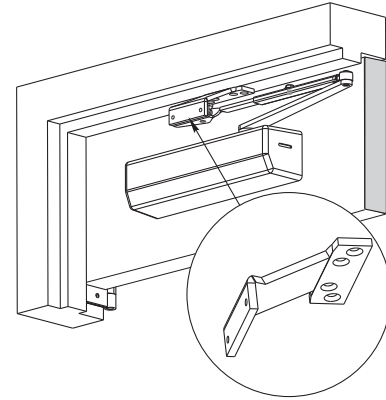
# Mountings

## DC6000



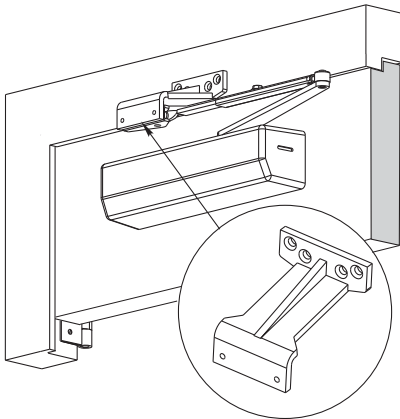
### Regular Arm Mounting with Mortise Arm Bracket

Used on inadequately reinforced frames, such as those with bull nose trims.



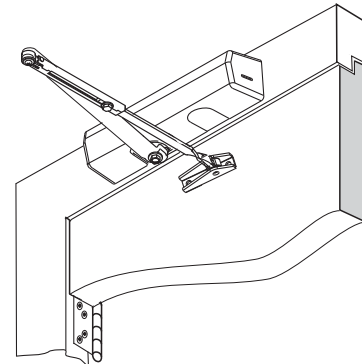
### Parallel Arm with Offset Angle Bracket Mounting

Allows parallel arm mounting when used with an overhead door holder.



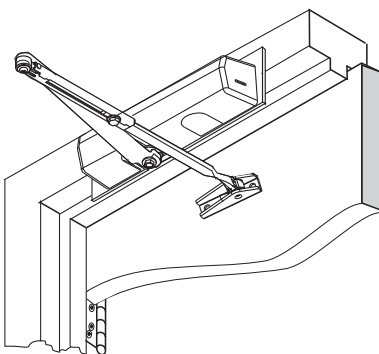
### Parallel Arm Mounting with Flush Transom Bracket

Allows parallel arm mounting on flush transom applications.



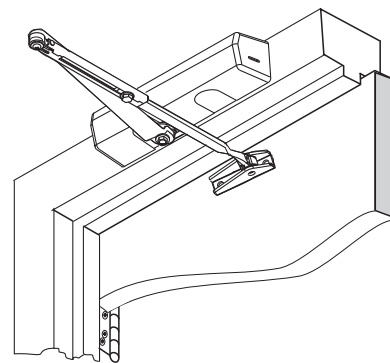
### Top Jamb Flush Transom Mounting

Closer is top jamb mounted on the push side; arm is attached to the door.



### Narrow Frame Mounting

For use when the frame is too narrow for a normal top jamb or top jamb track mounting. (Shown with 188F65 drop plate)



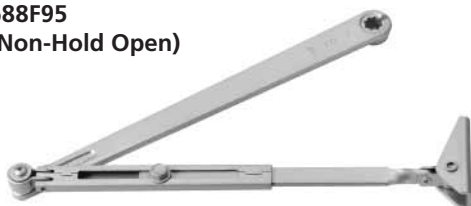
### Top Jamb Deep Reveal Mounting

For reveals greater than 3-1/4" (83mm), up to 7-1/4" (184mm).

# Arm Options

## DC6000

**688F95  
(Non-Hold Open)**



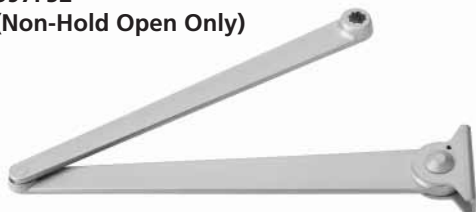
**688F77  
(Hold Open)**



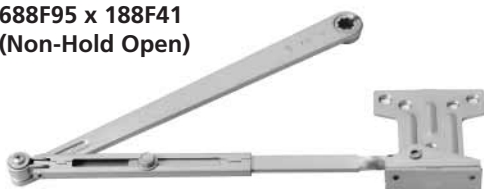
**691F72  
(Non-Hold Open)**



**597F52  
(Non-Hold Open Only)**



**688F95 x 188F41  
(Non-Hold Open)**



**688F77 x 509F49  
(Hold Open)**



### Regular Arm

- Used with regular arm (pull side) and top jamb (push side) mounting
- Non-hold open arm standard on the DC6200 and DC6400 closers
- Hold open arm optional, specify closer x **A1**\*

### Deep Reveal Arm (3-3/8" (86mm) - 7-1/4" (184mm))

- Accommodates top jamb mounting for reveals up to 7-1/4" (184mm), depending on door and frame conditions
- Mounted on push side
- Optional on DC6220 and DC6420 closers
- Non-hold open, specify closer x **A6**
- Hold open, specify closer x **A8**\*

Non-Hold Open	691F72
Hold Open	691F74

### Heavy-Duty Regular Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on pull side
- Not available in plated finishes
- Optional on DC6200 and DC6400 closers, specify closer x **A10**

### Parallel Arm

- 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
- Non-hold open arm standard – order DC6210 or DC6410 series
- Hold open arm optional, specify closer x **A1**\*

Specify finish when ordering arms. \*Not allowed by code on fire doors.

# Arm Options

## DC6000

**689F02**  
**(Non-Hold Open)**



**689F01**  
**(Hold Open)**



### Heavy-Duty Parallel Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on push side
- Not available in plated finishes
- Optional on DC6210 and DC6410 closers
- Non-hold open arm, specify closer x **A3**
- Hold open arm, specify closer x **A2\***. Hold-open range 85° to 110°
- For use with overhead stops, specify closer x **A13** (see page 10)

**689F03**  
**(Non-Hold Open)**



**689F04**  
**(Hold Open)**



### Heavy-Duty Reversible Backstop Parallel Arm

- Recommended for high-use, high-abuse environments
- Tamper-resistant, solid forged steel riveted arm
- Mounted on push side
- Not available in plated finishes
- Optional on DC6210 and DC6410 closers
- Field-reversible steel lug restricts degree of opening to protect door, wall and hardware
- Shipped standard as left hand. Handing can be reversed in the field
- Non-hold open arm, specify closer x **A4**. Door stop range 85° to 110°
- Hold open arm, specify closer x **A5\***. Door stop/hold open range 85° to 110°

**(Non-Hold Open)**



**(Hold Open)**



### Heavy-Duty Spring Stop Parallel Arm

- Recommended for high-use, high-abuse environments
- Integrates a door closer, shock absorber and auxiliary heavy-duty overhead stop
- Not available in plated finishes
- Hold open\*
  - Holder mechanism tension adjustable
  - Hold open can be engaged/disengaged with a 1/4 turn of the mechanism with a standard blade type screwdriver
- Optional on DC6210 and DC6410 closers
- Non-hold open arm, specify closer x **A11 x door width**. Door stop range 85° to 110°.
- Hold open arm, specify closer x **A12\* x door width**. Door stop/hold open range 85° to 110°.

**Refer to page 12 for bracket information**

Specify finish when ordering arms.

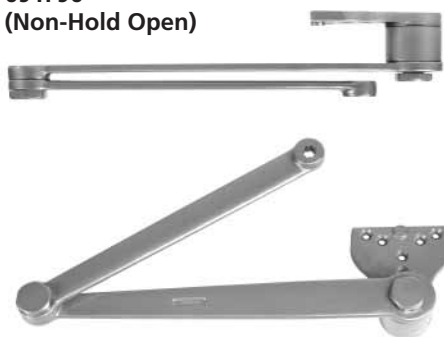
\*Not allowed by code on fire doors.

Door Width	Model Number	
	Non-Hold Open	Hold Open
28" - 32" (71cm - 81cm)	615F52	615F51
33" - 41" (84cm - 104cm)	615F54	615F53
42" - 48" (107cm - 122cm)	615F56	615F55

# Arms and Brackets

## DC6000

691F96  
(Non-Hold Open)



### Heavy-Duty Extra Clearance Parallel Arm

- Recommended for high-use, high-abuse environments
- Provides additional vertical clearance
- Mounted on push side
- Not available in plated finishes
- Optional on DC6210 and DC6410 closers
- Non-hold open arm only, specify closer x **A13**

Standard Clearance	Closer	With Spacer	Quick Code	Total Clearance
1-3/4"	DC8210	597F92	M77	2-1/4"
		597F93	M78	2-3/8"



### Heavy-Duty Parallel Hold Open Arm

- Recommended for high-use, high-abuse environment
- Requires auxiliary stop (by others)
- Handed
- Mounted on push side
- Not available in plated finishes
- Optional on DC6210 and DC6410 closers
- Hold open arm, specify closer x **A14\***

Part Number	Handing
692F04	Right Hand
692F05	Left Hand

754F44 Shown



### Pull Side Track Arm

- Provides a clean aesthetic look with maximum 110° door swing and a minimum door width of 28" (71cm)
- Mounted on pull side
- Not available in plated finishes
- Non-hold open standard on DC6230 or DC6430 closers
- Hold open, specify closer x **A1\***
- Hold open function can be turned on or off using a standard blade screw driver
- Stop/Hold open can be set for 85°, 90°, 95°, or 100°

	Track and Arm	Track Only	Arm Only
Non-Hold Open	754F44	754F09	754F16
Hold Open	754F45	754F10	

754F13 Shown



### Push Side Track Arm

- Clean aesthetic look for doors opening a maximum of 110° and a minimum door width of 32" (81cm)
- Mounted on push side
- Non-hold open standard on DC6240 and DC6440 closers. For hold open, specify closer x **A1\***
- Stop/hold open can be set for 85°, 90°, 95° or 100°
- Hold open function can be turned on or off using a standard blade screw driver
- Not available in plated finishes

	Track and Arm	Track Only	Arm Only
Non-Hold Open	754F12	754F14	754F16
Hold Open	754F13	754F15	

Specify finish when ordering arms or tracks.

\*Not allowed by code on fire doors.



# Mounting Brackets

DC6000

188F03



## Quik-Install™ Mounting Bracket

- Standard on all closers
- Reduces installation time
- Ensures correct mounting
- Bracket is first mounted to door or frame, then closer is attached
- Bracket size: 1-3/4" (44mm) (vertical) x 6" (152mm) (horizontal)
- Hole spacing: 1" (25mm) (vertical) x 4-5/16" (110mm) (horizontal)

244F17



## Mortise Arm Bracket for Regular Arm Mounting

- For regular arm mounting where frame requires reinforcement, i.e., on frames with bull nose trim
- Not available in plated finishes
- Specify closer x M84

188F41



## Parallel Arm Non-Hold Open Bracket

- Converts regular arm to parallel arm closer
- Standard with DC6210 and DC6410 closers
- Packed with five screws and 691F78 spacer

509F49



## Parallel Arm Hold Open Bracket

- Converts regular arm hold open to parallel arm hold open closer
- Standard with DC6210 x A1 or DC6410 x A1 closer

188F62



## Parallel Arm Offset Bracket

- Required when parallel arm is used in conjunction with an overhead door holder
- Specify DC6210 x M83 or DC6410 x M83 closer

188F63



## Parallel Arm Flush Transom Bracket

- Required when parallel arm mounting is used on a flush transom application
- Not available in plated finishes
- Specify DC6210 x M82 or DC6410 x M82 closer

Specify finish when ordering parts.

# Brackets

## DC6000

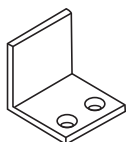
499F30



### Flush Transom Bracket

- Available separately for mounting A2, A3, A4, A5, A13 and A14 heavy-duty arms on rabbeted or flush transom conditions
- Not available in plated finishes
- Specify closer x M79

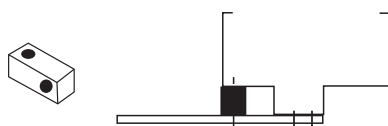
447F14



### Angle Support Bracket

- Available separately for mounting A2, A3, A4, A5, A13 & A14 heavy-duty arms on narrow frame or soffit conditions
- Specify DC6210 x M85 or DC6410 x M85 closer

691F78



### Spacer Block

- For use where a narrow frame soffit does not provide adequate surface to support the fifth arm bracket mounting hole
- Supplied standard with DC6210 and DC6410 non-hold open closers with A2, A3, A4, A5, A13 and A14 heavy-duty parallel arms

597F92 (1/2")  
597F93 (5/8")



### Blade Stop Spacer

- Available for use with A2, A3, A4, A5, A13 & A14 heavy-duty arms.
- Specify closer x M77 (597F92)
- Specify closer x M78 (597F93)

Maximum  
Power

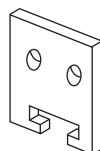
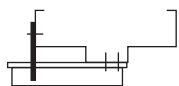
Normal  
Power



### Power Adjustment Arm Bracket

- Standard on all closers without hold open, except heavy-duty and track type
- In regular arm or top jamb mounting, bracket may be reversed to increase closing power 15%

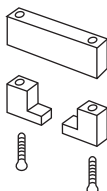
615F58



### Reinforcing Bracket

- Supplied as standard for use with A11 and A12 spring stop arms
- Provides additional support to the soffit plate on installations with door frame reveals from 1-7/8" to 4-5/8" (48 to 117mm)
- Not available in plated finishes

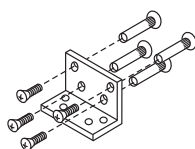
615F59



### Deep Reveal Reinforcement Kit

- For use with A11 and A12 spring stop arms
- Used to support the soffit plate on installations with deep frames. Clamps may be used with or without the spacer block, depending on frame conditions
- Not available in plated finishes
- For frames deeper than 4-5/8" (117mm), specify closer x M103

615F60



### Flush Partition Bracket

- For use with A11 and A12 spring stop arms where rabbeted or flush transom conditions prevent installation of the soffit plate assembly
- Bracket fastens to the overhead transom to provide a mounting surface for the soffit plate assembly
- Specify DC6210 x M104 or DC6410 x M104 closer

Specify finish when ordering parts.

# Covers and Plates

## DC6000

### 597F78



#### Full Cover

- Standard on all DC6000 series door closers
- Completely covers closer body
- Non-handed
- Dimensions: 11-5/8" (295mm) x 3" (76mm) x 2-3/4" (70mm) deep
- Available in painted finishes only
- Flame rated V-O material compliant with UL10C

### 387F40

188F19 Spindle Cap and Screw



#### Slim Cover

- Optional on all DC6000 Series Door Closers
- Non-handed
- Cap covers the unused end of spindle
- Available in painted finishes only
- Dimensions: 11-5/8" (295mm) x 2" (51mm) x 2-3/4" (70mm) deep
- To order specify closer x M76
- Flame rated V-O material compliant with UL10C



#### Full Metal Cover

- For use in high-abuse applications or when an architectural plated finish is desired
- Specify hand; not field reversible
- Available in painted and plated finishes
- Dimensions: 11-1/2" (292mm) x 2-7/8" (73mm) x 2-3/4" (70mm) deep

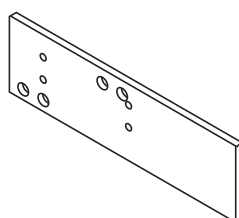
Part Number	Handing
603F55	RH/LHR
603F57	LH/RHR



#### Drop Plate

Permits parallel arm mounting on door when top rail is too narrow to install closer in the regular manner. Minimum 2-5/8" (67mm) top rail required. Jamb mounted where there is insufficient ceiling clearance for standard mounting or where it is necessary to allow vertical arm clearance for overhead door holders or frame gasketing. To order separately, specify Part No. x Finish.

Closer Series	Drop Plate	
	With Slim Cover	With Full Cover
DC6210, DC6410	188F65	597F58
DC6220, DC6420	188F65	188F65
DC6240, DC6440	188F65	597F58



#### Retrofit Plates

For installation of Corbin Russwin DC6200 and DC6400 closers where doors & frames have been prepared for LCN heavy-duty surface closers. To order with closers specify Closer x Quick Code, see page 19.

To Replace LCN Model		Model Number
4040/4041	Regular Arm	615F63
4040/4041	Parallel Arm	615F61
4110EDA	Parallel Arm	615F64
4010	Regular Arm	615F62

# Door Closer Sizes

## DC6000

### Factors in Determining Closer Size

#### 1 – Weight and Height of Door

Doors vary in weight from light hollow-core wood doors to heavy metal doors. Door sizes listed in the chart are based on doors of standard weight and height. Extra-light or extra-heavy weight or unusual height must be compensated for.

#### 2 – Draft and Wind Conditions

Draft and wind conditions are perhaps the most important factors to consider in determining the closer size required. Sizes listed in the chart apply to normal conditions. Stairwells, air conditioning, building construction, and door location can cause strong draft and wind conditions; these may necessitate adjusting spring power to a larger size or using a closer one size larger.

#### 3 – Location of Closer

The degree of door opening required determines the location of the closer on the door. Closer sizes listed in the chart are based on 180° opening.

#### 4 – Special Conditions

Deep reveals require optional extended arms. A top jamb plate is required when the jamb is too narrow for a normal top jamb mounting.

#### 5 – Code Compliance

A multi-sized, fully adjustable closer such as the DC6200 closer provides the greatest flexibility in balancing barrier-free access, security and life safety codes. However, when a manual closer is installed and adjusted to comply with ADA or any other reduced opening force requirements, it may no longer have sufficient power to close and latch the door reliably.

Recommended Door Closer Sizes				
Application	Door Width			
	Interior	Exterior, In-Swinging	Exterior, Out-Swinging	Recommended Closer Size
Regular or Top Jamb	2'4" (71cm)	—	—	1
	3'0" (91cm)	—	—	2
	3'6" (107cm)	2'6" (76cm)	3'0" (91cm)	3
	4'0" (122cm)	3'0" (91cm)	3'6" (107cm)	4
	4'6" (137cm)	3'6" (107cm)	4'0" (122cm)	5
	5'0" (152cm)	4'0" (122cm)	4'6" (137cm)	6
Parallel Arm	2'4" (71cm)	—	—	1
	2'6" (76cm)	—	—	2
	3'0" (91cm)	—	2'6" (76cm)	3
	3'6" (107cm)	—	3'0" (91cm)	4
	4'0" (122cm)	—	3'6" (107cm)	5
	4'6" (137cm)	—	4'0" (122cm)	6

# Quick Codes

## DC6000

### Arm

Arm	Specify Quick Code
Regular non-hold open	(standard)
Hold open	A1*
Heavy-duty parallel with hold open	A2*
Heavy-duty parallel non-hold open	A3
Heavy-duty backstop non-hold open	A4
Heavy-duty backstop with hold open	A5*
Deep reveal (3-3/8" - 7-1/4")	A6
Deep reveal with hold open	A8*
Heavy-duty regular non-hold open	A10
Spring stop non-hold open	A11
Spring stop heavy-duty with hold open	A12*
Heavy-duty parallel arm with extra clearance	A13
Heavy-duty friction hold open arm (specify hand)	A14*
Push side track with hold open	A1*

**\*Hold open arms cannot be used on fire doors.**

### Handing

Hand	Specify Quick Code
Left Hand/Right Hand Reverse	LH
Right Hand/Left Hand Reverse	RH

### Blade Stop

Spacer	Specify Quick Code
1/2"	M77
5/8"	M78

### Finish

#### Standard painted finishes

Old Designation	Description	Specify Quick Code
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

#### Plated finishes available on arms and full metal cover

US3	Bright Brass	605
US4	Satin Brass	606
US9	Bright Bronze	611
US10	Satin Bronze	612
US26	Bright Chromium Plated	625
US26D	Satin Chromium Plated	626

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

# Quick Codes

## DC6000

### Miscellaneous Options

Description		Specify Quick Code	
Security Torx® machine screws		M04	
Sex nuts and bolts (SNBs) (1-3/4 " minimum thickness)		M54	
Backcheck intensity and location valves		(standard)	
Delayed action		M71	
Full cover		(standard)	
Full metal cover (Handed)		M73	
Extreme temperature fluid		(standard)	
Corrosion protection (formerly M75 quick code)		(standard)	
Slim cover		M76	
1/2 " spacer		M77	
5/8 " spacer		M78	
Drop plates - <b>order by number</b> (formerly M80, M81 and M102 quick codes)			
Closer Series	Old Quick Ship #	Drop Plate	
		With Slim Cover	With Full Cover
DC6210, DC6410 (Parallel)	M80	188F65	597F58
DC6220, DC6420 (Top Jamb)	M80	188F65	188F65
DC6230, DC6430 (Pull Side)	M81	294F40	597F59
DC6240, DC6440 (Push Side)	M102	294F40	597F59
Heavy-duty parallel arm flush transom bracket (499F30) used with A2, A3, A4, A5, A13 & A14 arms		M79	
Parallel arm flush transom bracket (parallel or A1)		M82	
Parallel arm offset bracket		M83	
Mortise arm bracket (for regular arm mounting)		M84	
Angle support bracket		M85	
Spacer (691F78) (formerly M86 quick code)		(standard)	
Security package (available with A2, A3, A4, A5 and A10 optional arms). Covers are handed.		M87	
Retrofit kit LCN 4041 RA or PA		M101B	
Retrofit kit LCN 4110EDA		M101C	
Retrofit kit LCN 4010		M101D	
Deep reveal reinforcement kit (available with A11 & A12 arms)		M103	
Flush partition bracket (available with A11 & A12 arms)		M104	
Lead-lined metal cover		M108	