

**Corbin
Russwin** 



Door Closers
DC2000 Series



Applications

Proven effective in high-use, high-abuse situations, with millions of units in service for over 20 years. DC2000 Series Door Closers fulfill security and life safety requirements by ensuring reliable latching for access control and fire code compliance, along with ease of operation and precise adjustability for barrier-free code compliance. Ideal for virtually all door openings and draft conditions in both new construction and renovations, including:

- Schools and universities
- Health care
- Government
- Commercial and industrial
- Office and retail
- Transportation and utilities
- Hotels and conference centers
- Religious

Advantages

- Meets or exceeds ANSI A156.4 Grade 1 requirements
- Compliance with building and barrier-free codes
- Up to full 180° door opening
- Unique pressure-relief backcheck intensity valve includes safety feature to maintain correct internal pressure
- Innovative multiple backcheck location valve offers 70° or 90° backcheck setting on all mountings
- One-piece seamless steel spring tube seals in hydraulic fluid
- Tapered valves allow precise adjustment
- Cast iron body
- Paper template enhances ease of installation in new and retrofit situations
- QUIK-INSTALL™ mounting bracket speeds installation and reduces costs
- Ten-year limited warranty

Applications	2
Features	3
Mountings	6
Door Closer Arms	8
Mounting Brackets	10
Brackets and Covers	11
Size and Handling	12-13
How to Order	14
Helpful Terms	17
How to Specify	18



Door Closers DC2000 Series

Overview of Features	DC2200 Closers	DC2400 Closers	DC2600 Closers
Spring power	Non-sized; adjustable 1-6	Sizes 1-6; 1/2-size adjustment	Sizes 1-6
Latching speed valve	Standard	Standard	Standard
Closing speed valve	Standard	Standard	Standard
Backcheck intensity valve with safety feature	Standard	Standard	Optional
Multiple backcheck location valve	Standard	Standard	Optional
Delayed action valve	Optional	Optional	Optional
Parallel arm mounting	Optional	Optional	Optional
Top jamb mounting	Standard	Standard	Standard
Heavy duty regular arm	Optional	Optional	Optional
Heavy duty parallel arm	Optional	Optional	Optional
Backstop arm	Optional	Optional	Optional*
Spring Stop Arm	Optional	Optional	Optional*
Hold-open	Optional	Optional	Optional
Sex nuts and bolts (SNBs)	Optional	Optional	Optional
Corrosion protection	Optional	Optional	Optional
Full cover	Standard	Standard	Standard
Slim cover	Optional	Optional	Optional
Full metal cover	Optional	Optional	Optional
Security torx machine screws	Optional	Optional	Optional
Security package (includes heavy duty parallel or regular arm, full metal cover and security torx machine screws)	Optional	Optional	Optional
Plated finishes	Optional	Optional	Optional
Extreme temperature fluid	Optional	Optional	Optional
Ten-year warranty	Standard	Standard	Standard

* Available only when ordered with backcheck intensity valve and multiple backcheck location valve.

Door Closers DC2000 Series

Features

Spring Power

DC2200 closers: non-sized; fully adjustable 1 through 6.

DC2400 closers: sizes 1 through 6; half-size adjustability.

DC2600 closers: sizes 1 through 6; non-adjustable.

For recommended sizes, see page 12.

Handing

Non-handed.

Body

Cast iron case with seamless one-piece forged steel spring tube.

Arm

Standard: heavy duty forged steel.

Optional arms available; see Door Closer Arms, page 8, or How to Order, page 15.

Spindle

Triple heat treated steel.

Piston

Precision machined, heat treated steel.

Springs

Double heat treated steel, tempered.

Valves

Latching speed valve standard.

Closing speed valve standard.

Multiple backcheck location valve and backcheck intensity valve with safety feature standard on DC2200 and DC2400 closers; optional on DC2600 closers. See How to Order, page 15.

Delayed action valve optional on DC2200, DC2400 and DC2600 closers. Delayed action preset for 20 seconds; adjustable up to 60 seconds. Effective from maximum opening to 70° for all mountings. See How to Order, page 15.

Seals

“O” rings.

Fluid

Standard: high lubricity hydraulic fluid. Optional: extreme temperature fluid; eliminates valve readjustment when temperatures vary more than 50°F. See How to Order, page 15.

Degree of Opening

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

Power Adjustment Arm Bracket

15% adjustment standard.

Cover

Standard: non-metallic full cover.

Optional: slim cover or full metal cover; see How to Order, page 15.

Mountings

Standard: regular and top jamb.

Optional mountings available; see Mountings, page 6, or How to Order, page 15.

Mounting Bracket

QUIK-INSTALL™ mounting bracket standard.

Fasteners

Standard: combination screws for wood and metal doors.

Optional: sex nuts and bolts (SNBs) or security torx machine screws; see How to Order, page 15.

Corrosion Protection

Painted protective coating on all metal surfaces for use in corrosive environments. Optional on all closers; see How to Order, page 15.

Warranty

Ten-year limited.

Certification/Compliance

ANSI

Meets A156.4, Grade 1. See page 14.

Meets A117.1 Accessibility Code. See page 5.

Federal

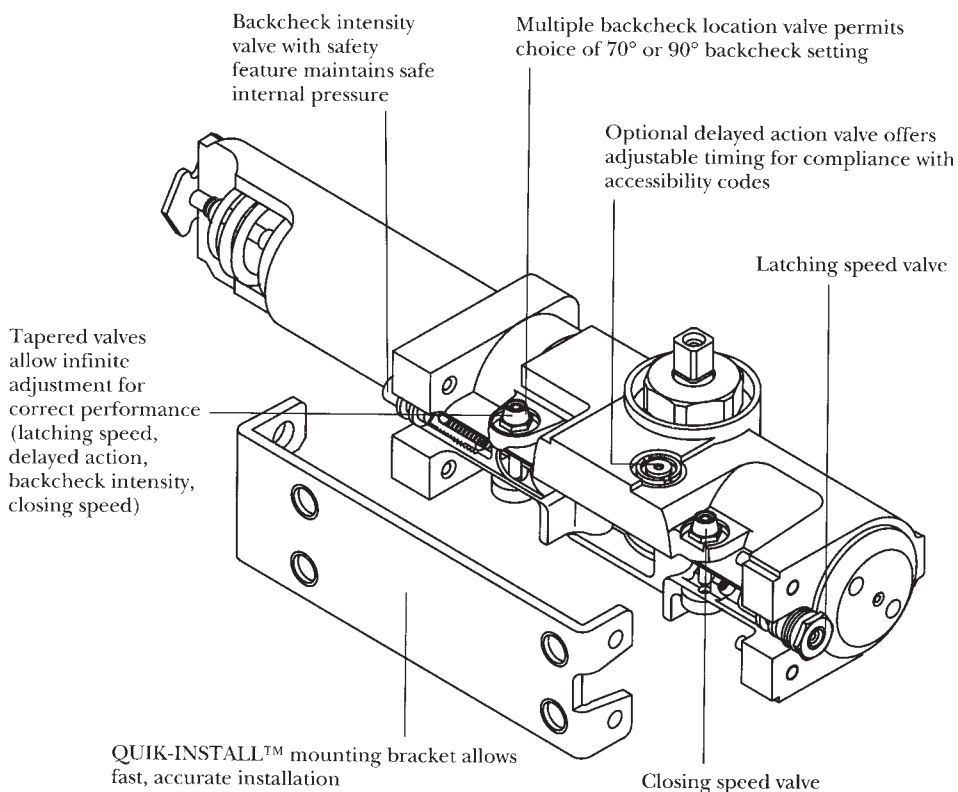
Meets FF-H-121D, Type 3000.

UL / ULC

Listed for fire and cycle requirements.

ADA

Complies with Americans with Disabilities Act.



Door Closers DC2000 Series

Finishes

Standard painted finishes

BHMA 600	Primed for Painting
BHMA 689	Silver Aluminum Painted
BHMA 690	Dark Bronze Painted
BHMA 691	Light Bronze Painted
BHMA 693	Black Painted
BHMA 696	Satin Brass Painted

Plated finishes are available only on the full cover, full metal cover, regular arm, parallel arm and deep reveal arms.

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



Barrier-Free Code Compliance

The DC2000 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)

Accessibility Guidelines for Buildings and Facilities, Section 4.13.11

American National Standards Institute (ANSI)

A117.1, Section 4.13.11

DC2200	DC2412
DC2210	DC2421
DC2220	DC2601
DC2401	DC2611
DC2411	DC2621

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.

Mountings

Door Closers DC2000 Series



Regular Arm Mounting DC2200, DC2400, DC2600 Series

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



Parallel Arm Mounting DC2210, DC2410, DC2610 Series

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



Top Jamb Mounting DC2220, DC2420, DC2620 Series

Accommodates reveals up to 3¹/₄". Closer is mounted on the push side, with the arm perpendicular to the face of the door. Arm bracket is mounted on the door. Minimum 1³/₄" top jamb required.



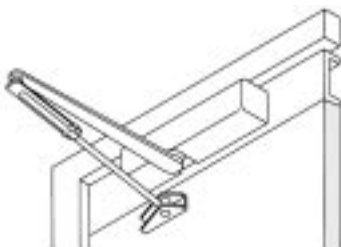
Track Mounting DC2230, DC2430, DC2630 Series

Closer is top jamb mounted on the pull side; arm is connected to a door-mounted track. Maximum degree of opening is 100°. Maximum closing power is size 4. Minimum 3" top jamb required.



Track Mounting DC2240, DC2440, DC2640 Series

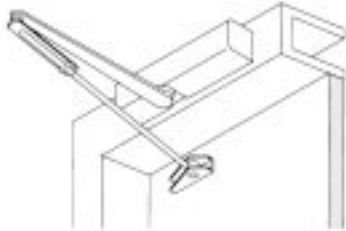
Closer is mounted on push side of door; arm is connected to a stop mounted track. Maximum degree of opening is 100°.



Flush Transom Mounting

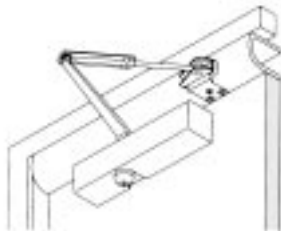
Closer is top jamb mounted on the push side; arm is attached to the door.

Door Closers DC2000 Series



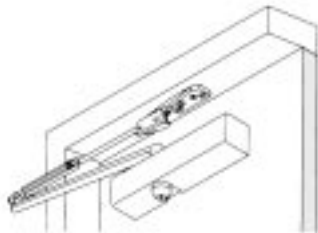
Deep Reveal Top Jamb Mounting

For reveals greater than 3¹/₄", up to 11".



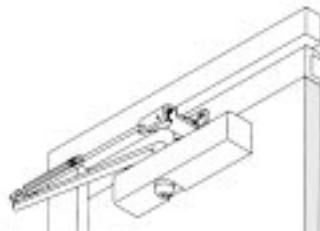
Regular Arm Mounting with Mortise Arm Bracket

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



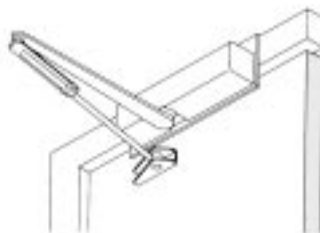
Parallel Arm Offset Angle Mounting

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



Parallel Arm Mounting on Flush Transom

Allows parallel arm mounting on flush transom applications.



Narrow Top Jamb Mounting

For use when the frame is too narrow for a normal top jamb or top jamb track mounting.

Door Closer Arms

Door Closers DC2000 Series



Regular Arm

Used with regular arm mounting (pull side) and top jamb mounting (push side).

Standard on DC2200, DC2400 and DC2600 closers.

To order separately, specify 421F33-8 x Finish.



Regular Arm with Hold-Open*

Permits door to remain in hold-open position.

Used with regular arm mounting (pull side) and top jamb mounting (push side). Optional on DC2200, DC2400 and DC2600 closers; specify Quick Code A1.

To order separately, specify 421F32-8 x Finish.



Heavy Duty Regular Arm

Recommended for high-use, high-abuse environments.

Tamper-resistant, solid forged steel riveted arm; mounted on pull side. Optional on DC2200, DC2400 and DC2600 series; specify Quick Code A10.

To order separately, specify 597F52-8 x Finish. Not available in plated finishes.



Parallel Arm

Regular arm plus parallel arm mounting bracket; mounted on push side.

Order closer as DC2210, DC2410 or DC2610 series.

To order separately, specify 421F33-8 x 188F41-8 x Finish.



Parallel Arm with Hold-Open*

Permits door to remain in hold-open position.

Regular arm with hold-open plus parallel arm mounting bracket; mounted on push side.

Optional on DC2210, DC2410 and DC2610 series; specify Quick Code A1.

To order separately, specify 421F32-8 x 509F49-8 x Finish.



Heavy Duty Parallel Arm

Recommended for high-use, high-abuse environments.

Tamper-resistant, solid forged steel riveted arm; mounted on push side.

Optional on DC2210, DC2410 and DC2610 series; specify Quick Code A3.

To order separately, specify 489F70-8 x Finish. Not available in plated finishes.

*Not allowed by code on fire doors.

Door Closers DC2000 Series



Heavy Duty Parallel Arm with Hold-Open*

Recommended for high-use, high-abuse environments. Tamper-resistant, solid forged steel riveted arm; mounted on push side. Permits door to remain in hold-open position. Optional on DC2210, DC2410 and DC2610 series; specify Quick Code A2. To order separately, specify 489F69-8 x Finish. Not available in plated finishes.



Heavy Duty Reversible Backstop Parallel Arm

Recommended for high-use, high-abuse environments. Tamper-resistant, solid forged steel riveted arm (mounted on push side). Field reversible steel lug restricts degree of opening to protect door, wall and hardware. Requires both backcheck valves on closer. Optional on DC2210, DC2410 and DC2610 series; specify Quick Code A4. To order separately, specify 566F33-8 x Finish. Not available in plated finishes.



Heavy Duty Reversible Backstop Parallel Arm with Hold-Open*

Recommended for high-use, high-abuse environments. Same as above, with on-off hold-open; 90° turn of the “T” handle permits door to remain in hold-open position. Requires both backcheck valves on closer. Optional on DC2210, DC2410 and DC2610 series; specify Quick Code A5. To order separately, specify 566F34-8 x Finish. Not available in plated finishes.



Heavy Duty Spring Stop Parallel Arm

Recommended for high-use, high-abuse environments. This single unit integrates a commercial grade door closer, a shock absorber and an auxiliary heavy duty overhead stop. Requires both backcheck valves on the closer. Order closer as DC2210, DC2410 or DC2610 x Quick Code All x Door Width. To order separately specify 615F52 for door 28”-32”; 615F54 for door 33”-41”; 615F56 for doors 42”-48”. These arms are not available in plated finishes.



Heavy Duty Spring Stop Parallel Arm with Hold-Open*

Same as spring stop above, with hold-open. Holder mechanism tension is adjustable and can be set to effectively hold door open through gust of wind. Hold-open can be engaged/disengaged by a partial turn of the mechanism with a standard blade type screwdriver. Requires both backcheck valves on the closer. Order closer as DC2210, DC2410, DC2610 x Quick Code A12 x Door Width. To order separately, specify 615F51 for doors 28”-32”; 615F53 for doors 33”-41”; and 615F55 for doors 42”-48”. Not available in plated finishes.



Pull Side Track Arm

Provides a clean, aesthetic look with maximum 100° opening; mounted on pull side. Order closer as DC2230, DC2430 and DC2630 series. To order separately, specify 294F38-8 (track arm) x 294F45-8 (non-hold-open track) x Finish. Not available in plated finishes.



Pull Side Track Arm with Hold-Open*

Same as Track Arm, with the addition of hold-open which can be set for 85°, 90°, 95° or 100° opening; mounted on pull side. Optional on DC2230, DC2430 and DC2630 series; specify Quick Code A1.

To order separately, specify 294F38-8 (track arm) x 294F44-8 (hold-open track) x Finish. Not available in plated finishes.

*Not allowed by code on fire doors.

Arms and Brackets

Door Closers DC2000 Series



Push Side Track Arm

Provide a clean aesthetic look for doors opening a maximum of 100° and a minimum door width of 32". Order closer as DC2240, DC2440, DC2640 Series. Back check option recommended. To order arm & track separately, specify 615F31 x Finish. (Not available in plated finishes.)



Push Side Track Arm with Hold-Open*

Same as Track Arm with the addition of hold-open that may be positioned on door to allow hold open from 85° to 100°; mounted on push side; turn knob offers the user the option of turning hold-open off or on. Order closers DC2240, DC2440, DC2640 & Quick Code T1. Back check option recommended. To order separately, specify 615F32 x Finish. (Not available in plated finishes.)



Deep Reveal Arm (3³/₈"-7¹/₄")

Accommodates top jamb mounting for reveals up to 7¹/₄", depending on door and frame conditions; mounted on push side. Optional on DC2220, DC2420 and DC2620 series; specify Quick Code A6 for regular or A8 for hold-open.* To order separately, specify 421F41-8 x Finish for non-hold-open; specify 421F40-8 x Finish for hold-open.



Extra-Deep Reveal Arm (7³/₈"-11")

Permits top jamb mounting (push side) for reveals of 7³/₈"-11", depending on door and frame conditions. Also available with hold-open.* Optional on DC2220, DC2420 and DC2620 series; specify Quick Code A7 for regular or A9 for hold-open.* To order separately, specify 421F45-8 x Finish for non-hold-open; specify 421F44-8 x Finish for hold-open.



QUIK-INSTALL™ Mounting Bracket

Unique cost-saving feature, standard on all closers. Reduces installation time and cost, assures correct mounting and extends closer life. Bracket is first mounted to door or frame, then closer is attached. By minimizing handling of closer, bracket reduces installer fatigue and promotes accuracy. To order separately, specify 188F03-8 x Finish. Not available in plated finishes.



Parallel Arm Bracket

Converts regular arm closer to parallel arm closer. Standard with parallel arm mounting. To order separately, specify 188F41-8 x Finish.

*Not allowed by code on fire doors.

Door Closers DC2000 Series



Parallel Arm Hold-Open Bracket

Converts regular arm hold-open closer to parallel arm hold-open closer. Standard with parallel arm hold-open mounting. To order separately, specify 509F49-8 x Finish.



Parallel Arm Offset Bracket

Required when parallel arm mounting is used in conjunction with an overhead door holder; see M83 Option under How to Order, page 16. To order separately, specify 188F62-8 x Finish.



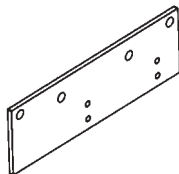
Parallel Arm Flush Transom Bracket

Required when parallel arm mounting is used on a flush transom application; see M82 Option under How to Order, page 16. To order separately, specify 188F63-8 x Finish. Not available in plated finishes.



Mortise Arm Bracket for Regular Arm Mounting

For regular arm mounting where frame requires reinforcement, e.g., on frames with bull nose trims; see M84 Option under How to Order, page 16. To order separately, specify 244F17-8 x Finish. Not available in plated finishes.

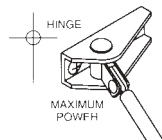
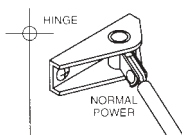


Drop Plate

Permits parallel arm or top jamb mounting on door when top rail is too narrow to install closer in the regular manner. Minimum 2" top rail required. To order separately, specify Part No. x Finish.

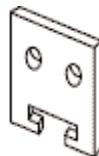
Drop Plate Selection Table

Closer Series	Slim Cover	Full Cover
DC2210, DC2410 DC2610	188F65-8	597F58-8
DC2220, DC2420 DC2620	188F65-8	188F65-8
DC2230, DC2430 DC2630 DC2240, DC2440 DC2640	294F40	597F59-8



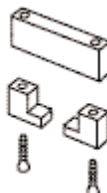
Power Adjustment Arm Bracket

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%.



Reinforcing Bracket

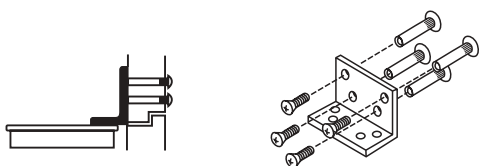
Supplied as standard for use with A11 and A12 spring stop arms. Provides additional support to the soffit plate on installations with door frame reveals from 17/8" to 45/8" (48mm to 117mm). To order separately specify part number 615F58 x finish.



Deep Reveal Reinforcement Kit

For use with A11 and A12 spring stop arms. Use to support the soffit plate on installations with wide frames. Clamps may be used with or without the spacer block, depending on frame conditions. For frames deeper than 45/8" (117mm), specify Quick Code M103. To order separately specify part number 615F59 x finish.

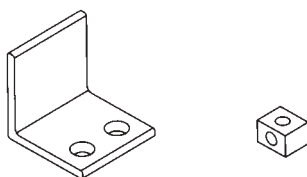
Door Closers DC2000 Series



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. This bracket fastens to the overhead transom to provide a mounting surface for the soffit plate assembly, specify Quick Code M104

To order separately, specify part number 615F60 x finish.

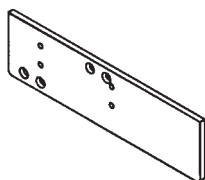


Angle Support Bracket and Spacer

Available separately for mounting A2, A3, A4 and A5 heavy duty arms on narrow frame or soffit conditions; see How to Order, page 15.

To order M85 Angle Support Bracket separately, specify 447F14 x Finish.

To order M86 Spacer separately, specify 447F13 x Finish.



Retrofit Plates

For installation of Corbin Russwin DC2200 Closers where doors & frames have been prepared for LCN heavy duty surface closers, order the following replacement kits with complete Corbin Russwin closers.

To Replace LCN Model		Order the following Quickcode with Closer
4040/4041	Regular Arm	M101A
4040/4041	Parallel Arm	M101B
4110EDA		M101C
4010		M101D



Full Cover

Standard on all DC2000 series door closers. Completely covers closer body. Reversible for regular and parallel arm mountings. For top jamb mounting, specify hand.

11⁵/₈" x 3" x 2³/₄" deep.

Painted and plated finishes.

To order separately, specify 597F78-9 x Finish.



Slim Cover

Optional on all DC2000 Series Door Closers.

Non-handed. Cap covers bottom of spindle.

For DC2200 and DC2400 closers: 11⁵/₈" x 2" x 2³/₄" deep.

For DC2600 closers: 10³/₈" x 2" x 2³/₄" deep.

Available in painted finishes; see How to Order, page 15.

To order separately for DC2200 and DC2400 closers, specify 7F40 x Finish. Not available in plated finishes. To order separately for DC2600 closer, specify 387F40 x Finish.



Full Metal Cover

For use in high-abuse applications, such as schools and detention facilities. For all mountings, specify hand.

DC2200 and DC2400: 11¹/₂" x 2⁷/₈" x 2³/₄" deep. Available in painted and plated finishes. See How to Order, page 15.

To order separately for RH or LHR, specify 603F55 x Finish.

To order separately for LH or RHR, specify 603F57 x Finish.

DC2600: 10¹/₄" x 2⁷/₈" x 2³/₄" deep.

To order separately for RH or LHR, specify 603F56 x Finish. To order separately for LH or RHR, specify 603F58 x Finish.

Door Closers DC2000 Series

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 non-sized, fully adjustable closer such as the DC2200 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

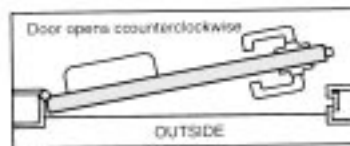
Mounting	Size of Door			Recommended Closer Size
	Interior	Exterior, In-swinging	Exterior, Out-swinging	
Regular or Top Jamb	2'4"	—	—	1
	3'0"	—	—	2
	3'6"	2'6"	3'0"	3
	4'0"	3'0"	3'6"	4
	4'6"	3'6"	4'0"	5
	5'0"	4'0"	4'6"	6
Parallel Arm	2'4"	—	—	1
	2'6"	—	—	2
	3'0"	—	2'6"	3
	3'6"	—	3'0"	4
	4'0"	—	3'6"	5
	4'6"	—	4'0"	6

Handing

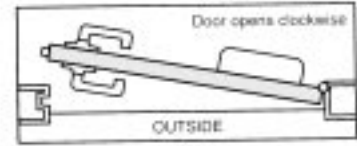
Refers to the direction a door swings; always determined from the outside of the door.

Regular Mounting

Door: left hand
Closer: left hand pull side

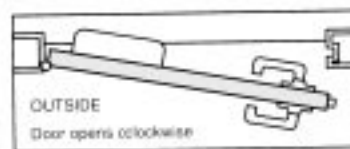


Door: right hand
Closer: right hand pull side

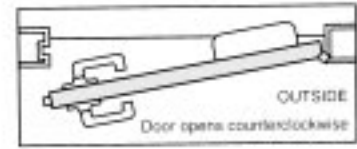


Parallel Arm Mounting

Door: left hand reverse bevel
Closer: right hand push side

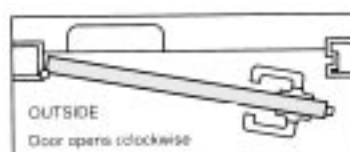


Door: right hand reverse bevel
Closer: left hand push side

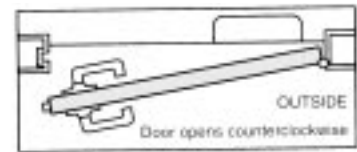


Top Jamb Mounting

Door: left hand reverse bevel
Closer: right hand push side



Door: right hand reverse bevel
Closer: left hand push side



Door Closers DC2000 Series

ANSI A156.4 Certified Closer Cross Reference

ANSI Number	Function	Series	PT 4A 15% Power Adjustment	PT 4B 35% Power Adjustment	PT 4C 50% Power Adjustment	PT 4D Adjustable Backcheck	PT 4F Delayed Action	PT 4G Dead Stop	PT 4H Fully Adjustable
C02011 (PT 1)	Hinge Side Mounting	DC2200	S	S	S	S	0	N/A	S
		DC2400	S	S	S	S	0	N/A	N/A
		DC2600	S	N/A	N/A	0	0	N/A	N/A
C02051 (PT 1)	Hinge Side Mounting Holder Arm	DC2200-A1	S	S	S	S	0	N/A	S
		DC2400-A1	S	S	S	S	0	N/A	N/A
		DC2600-A1	N/A	N/A	N/A	0	0	N/A	N/A
C02021 (PT 1)	Parallel Arm Mounting	DC2210	S	S	S	S	0	0	S
		DC2410	S	S	S	S	0	0	N/A
		DC2610	N/A	N/A	N/A	0	0	0	N/A
C02061 (PT 1)	Parallel Arm Mounting Holder Arm	DC2210-A1	S	S	S	S	0	0	S
		DC2410-A1	S	S	S	S	0	0	N/A
		DC2610-A1	N/A	N/A	N/A	0	0	0	N/A
C02041 (PT 1)	Top Jamb Mounting	DC2220	S	S	S	S	0	N/A	S
		DC2420	S	S	S	S	0	N/A	N/A
		DC2620	S	N/A	N/A	0	0	N/A	N/A
C02081 (PT 1)	Top Jamb Mounting Holder Arm	DC2220-A1	S	S	S	S	0	N/A	S
		DC2420-A1	S	S	S	S	0	N/A	N/A
		DC2620-A1	N/A	N/A	N/A	0	0	N/A	N/A
C02231 (PT 1)	Push Side Track Mounting	DC2240	S	S	S	S	0	0	S
		DC2440	S	S	S	S	0	0	N/A
		DC2640	N/A	N/A	N/A	0	0	0	N/A
C02241 (PT 1)	Push Side Track Mounting Holder Arm	DC2240-T1	S	S	S	S	0	0	S
		DC2440-T1	S	S	S	S	0	0	N/A
		DC2640-T1	N/A	N/A	N/A	0	0	0	N/A
C02251 (PT 1)	Pull Side Track Mounting	DC2230	S	S	S	S	0	0	S
		DC2430	S	S	S	S	0	0	N/A
		DC2630	N/A	N/A	N/A	0	0	0	N/A
C02261 (PT 1)	Pull Side Track Mounting Holder Arm	DC2230-A1	S	S	S	S	0	0	S
		DC2430-A1	S	S	S	S	0	0	N/A
		DC2630-A1	N/A	N/A	N/A	0	0	0	N/A

ANSI Performance Requirements: (PT 1)—2,000,000 cycles

N/A = not available S = standard 0 = option available

Door Closers DC2000 Series

Ordering Examples

Stock Order

Quantity	Series/Mounting/Size	Finish
100	DC2200	689

Where to find ordering information and quick codes

Series/Mounting/Size	Page 15
Arm	Page 16
Finish	Page 16
Handing	Page 16
Door Thickness	Page 16
Miscellaneous Options	Page 16

Contract Order

Quantity	Series/Mounting/Size	Arm	Finish	Hand	Door Thickness	Misc. Options
100	DC2626	A6	626	RH	D138	M70-M71-M73

Series/Mounting/Size

Description	Mounting	Non-sized Specify	Size 1 Specify	Size 2 Specify	Size 3 Specify	Size 4 Specify	Size 5 Specify	Size 6 Specify
DC2200 Closers Non-sized; full adjustability from size 1-6	Regular arm	DC2200	N/A	N/A	N/A	N/A	N/A	N/A
	Parallel arm	DC2210	N/A	N/A	N/A	N/A	N/A	N/A
	Top jamb	DC2220	N/A	N/A	N/A	N/A	N/A	N/A
	Track (Pull Side)	DC2230	N/A	N/A	N/A	N/A	N/A	N/A
	Track (Push Side)	DC2240	N/A	N/A	N/A	N/A	N/A	N/A
DC2400 Closers Sized; 1/2-size adjustability	Regular arm	N/A	DC2401	DC2402	DC2403	DC2404	DC2405	DC2406
	Parallel arm	N/A	DC2411	DC2412	DC2413	DC2414	DC2415	DC2416
	Top jamb	N/A	DC2421	DC2422	DC2423	DC2424	DC2425	DC2426
	Track (Pull Side)	N/A	DC2431	DC2432	DC2433	DC2434	DC2435	DC2436
	Track (Push Side)	N/A	N/A	N/A	DC2443	DC2444	DC2445	DC2446
DC2600 Closers Sized; non-adjustable	Regular arm	N/A	DC2601	DC2602	DC2603	DC2604	DC2605	DC2606
	Parallel arm	N/A	DC2611	DC2612	DC2613	DC2614	DC2615	DC2616
	Top jamb	N/A	DC2621	DC2622	DC2623	DC2624	DC2625	DC2626
	Track (Pull Side)	N/A	DC2631	DC2632	DC2633	DC2634	DC2635	DC2636
	Track (Push Side)	N/A	N/A	N/A	DC2643	DC2644	DC2645	DC2646

How to Order

Door Closers DC2000 Series

Arm

Arm	Specify
Regular	(standard)
Hold-open	A1
Heavy duty parallel with hold-open	A2
Heavy duty parallel	A3
Heavy duty backstop	A4
Heavy duty backstop with hold-open	A5
Deep reveal (3 ³ / ₈ "-7 ¹ / ₄ ")	A6
Extra-deep reveal (7 ³ / ₈ "-11")	A7
Deep reveal with hold-open	A8
Extra-deep reveal with hold-open	A9
Heavy duty regular	A10
Spring Stop Arm	A11
Spring Stop Arm with Hold-Open	A12
Push Side Track with Hold-Open	T1

Handing

Hand	Specify
Left Hand	LH
Right Hand	RH
Left Hand Reverse	RH
Right Hand Reverse	LH

Door Thickness

Door Thickness	Specify
1 ³ / ₈ "	D138
1 ³ / ₄ "	(standard)

Finish

Standard painted finishes

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

Plated finishes available on arms and full cover or 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., DC2200 x 625 x 689).

Miscellaneous Options

Description	Specify
Security torx machine screws	M04
Sex nuts and bolts (SNBs)	M54
Backcheck intensity and location valves (on DC2200, DC2400 closers)	(standard)
Backcheck intensity and location valves (on DC2600 closers)	M70
Delayed action	M71
Full cover	(standard)
Full metal cover	M73
Extreme temperature fluid	M74
Corrosion protection	M75
Slim cover	M76
Drop plate	M80
Drop plate for pull side track mounting	M81
Parallel arm flush transom bracket	M82
Parallel arm offset bracket	M83
Mortise arm bracket (for regular arm mounting)	M84
Angle support bracket	M85
Spacer	M86
Security package (available with A3 and A10 optional arms)	M87
Drop Plate for push side track mounting	M102
Retrofit Kit LCN 4041RA	M101A
Retrofit Kit LCN 4041PA	M101B
Retrofit Kit LCN 4110EDA	M101C
Retrofit Kit LCN 4010	M101D

Door Closers DC2000 Series

Arm

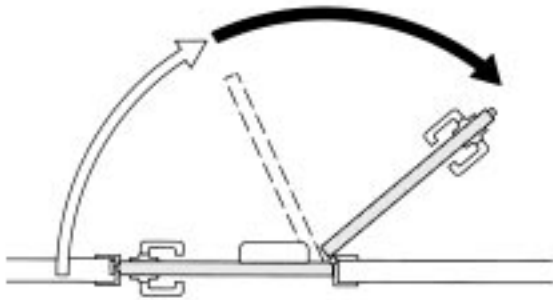
The part of a closer that connects the body to the door or frame.

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.

Backcheck Location

The point (approximately 70°) in the opening cycle where backcheck takes effect.



Closing Speed

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

Corrosion Protection

Additional painted covering on all external parts to deter oxidation and corrosion.

Delayed Action

Slows door closing speed between maximum opening and approximately 70°. Often specified to meet barrier-free codes which require delayed closing.

Door Stop

A device to stop the swing of a door.

Extreme Temperature Fluid

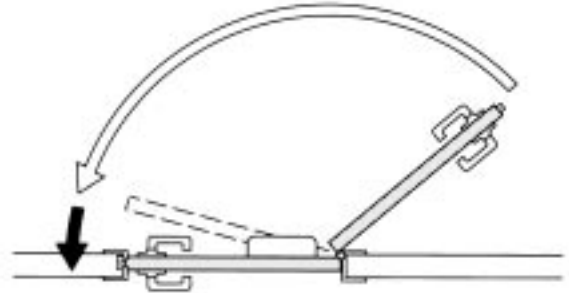
Special hydraulic fluid which allows full valve function without readjustment when temperature varies by 50°-70° F.

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.

Multiple Backcheck Location Valve

Unique valve which can change where backcheck occurs.

Non-Sized Closer

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

Pressure Relief Backcheck Intensity Valve

A valve which reduces internal pressure when the closer is subjected to forceful opening. Helps extend closer life.

QUIK-INSTALL™ Mounting Bracket

Unique bracket which simplifies installation and minimizes installer fatigue.

Sex Nuts and Bolts (SNBs)

Throughbolts required for all non-steel-reinforced fire doors, and recommended for non-reinforced wood and mineral core doors.

Sized Closer

A closer whose spring design allows for a fixed spring power size 1 through 6.

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 for regular, top jamb or (using a bracket) parallel arm mounting.

Door Closers DC2000 Series

Suggested Specification

All door closers shall be DC2000 Series Door Closers as manufactured by Corbin Russwin Architectural Hardware.

Closers shall be of rack and pinion construction with a triple heat treated cold-formed steel spindle and a sintered steel piston, heat treated and precision machined. The case shall be of cast iron with a one-piece seamless forged spring tube. A two-piece or seamed spring tube shall not be acceptable. Springs shall be double heat treated and tempered. Closers shall have a heavy duty, forged steel main arm.

Optional arms shall include parallel, hold-open, heavy duty, heavy duty hold-open, heavy duty reversible backstop, heavy duty reversible backstop with hold-open, heavy duty spring stop, heavy duty spring stop with hold-open, deep reveal, top jamb track and stop mounted track.

The following size options shall be available:

- Fully adjustable spring power to accommodate sizes 1 through 6, such as the Corbin Russwin DC2200 Closer.
- Adjustable spring power within one half size, such as the Corbin Russwin DC2400 Closer.
- No spring power size adjustment; closer provided by size, such as the Corbin Russwin DC2600 Closer.

All sizes shall be accommodated in one closer body. Closing shall be controlled by two valves — one to control closing speed and one to control latching speed. Valves shall be concealed against unauthorized adjustment and be non-critical with “O” rings.

Closers shall be available with an adjustable backcheck intensity valve with a safety feature that automatically relieves internal pressure when backcheck has reached the desired adjustment level. Valves shall be accessible without removing the closer from the door. Delayed action shall be available and shall be accomplished with a separate valve. Closers shall have an automatic air handling system to provide control of internal air expansion and contraction.

Closers shall be available with a multiple backcheck location valve, providing a choice of locations where backcheck affects the door opening cycle. This valve shall be operative on regular, top jamb, parallel arm, and track type mountings.

Closers shall be surface applied with rectangular cover, and shall be devoid of manufacturer’s trademarks. Closers shall not project over 2³/₄", and shall be capable of mounting on 1³/₄" top rail or inverted mounting on 1³/₄" top jamb. Full cover and full metal cover with security fasteners shall be available. When required, covers shall be available in plated finishes. Closers without hold-open shall be regularly furnished with power adjustment arm bracket capable of providing a 15% power adjustment. A QUIK-INSTALL™ mounting bracket to attach the closer shall be regularly furnished. Closers not having a mounting bracket shall not be acceptable. Hydraulic fluid shall be available of a type requiring no seasonal valve readjustment due to extreme temperature variations. Closers mounted top jamb and parallel arm shall allow for full 180° door opening.

Closers shall be listed by Underwriters Laboratories for closers with non-hold-open arms.

All closers shall be available in architectural finishes to match those on corresponding locksets and exit devices.

Certification:

ANSI 156.4, Grade 1

ADA/ANSI A117.1

Closers shall carry a ten-year limited warranty.

Door Closers DC2000 Series



600 Primed for Painting (USP)



605 Bright Brass (US3)



606 Satin Brass (US4)



611 Bright Bronze (US9)



612 Satin Bronze (US10)



625 Bright Chromium Plated
(US26)



626 Satin Chromium Plated
(US26D)



689 Silver Aluminum Painted
(SBL)



690 Dark Bronze Painted (LBL)



691 Light Bronze Painted (DBL)



693 Black Painted (FBL)



696 Satin Brass painted (GBL)

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



In U.S.:
Corbin Russwin Inc.
1902 Airport road
Monroe, NC 28110
Phone 800-543-3658 Fax 800-447-6714
www.yalesecurity.com

In Canada:
Corbin Russwin Canada
6940 Edwards Blvd.
Mississauga, Ontario L5T 2W2
Phone 800-461-3007 / 905-564-5854
Fax 800-461-8989 / 905-564-8182
www.yalecorbin.on.ca

