



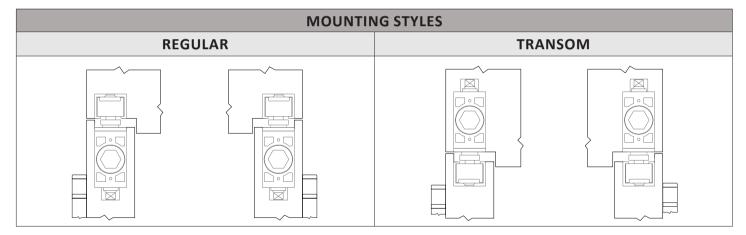


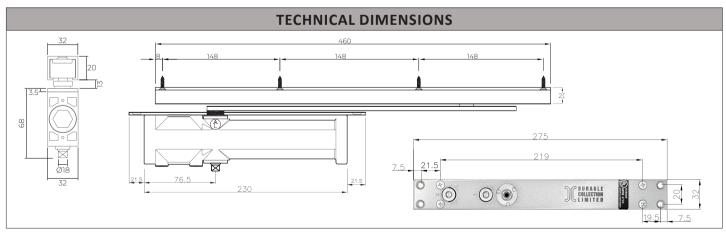
ITEM CODE: DC6203G

- Overhead concealed door closer.
- Fixed power size 3.
- UL listed. UL10C 3 hours fire rated.
- UL file #: GVEV.R39005.
- Cast aluminium body. Non-handed. Standard sweep, latching speed, hold open function and guide rail.
- Regular and transom mounting installation.
- Standard finish: Silver (Aluminium-SE).
- Other finishes are available upon request.









MODEL#	CLOSER SIZE	MAX. DOOR WEIGHT (KG)
DC6203G	3	45

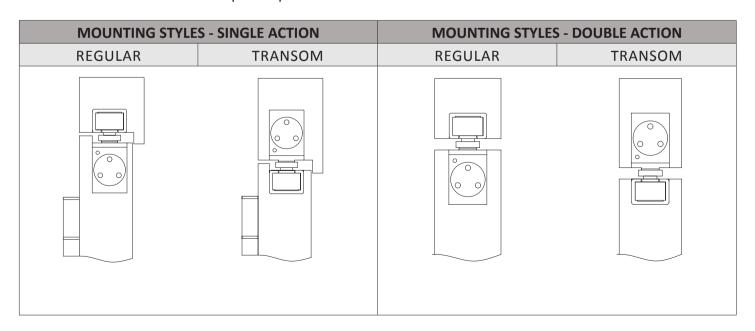




ITEM CODE: DC6224BCG & DC6224BCG DOUBLE ACTION

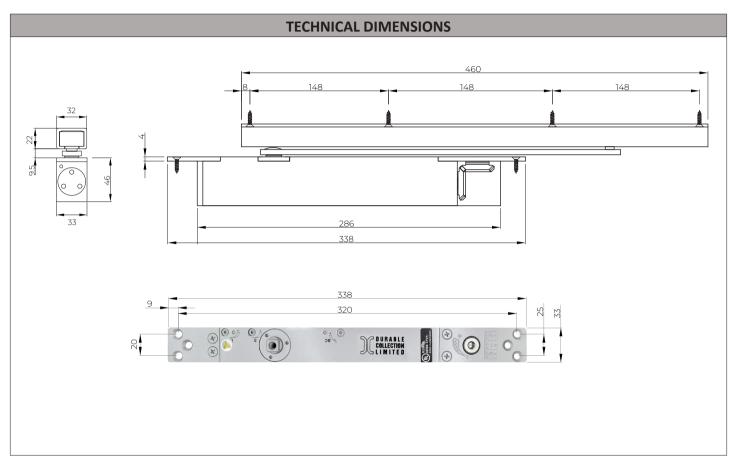


- Overhead concealed cam action door closer.
- Adjustable power size 2-4.
- Standard adjustable sweep and latching speed.
- CE marked: 0905-CPR-192576-01.
- Tested and certified to BS EN 1154:1996/A1:2002/AC: 2006 & BS EN 1634-1:2014.
- UL listed. UL10C 3 hours fire rated.
- Tested to meet ANSI A156.4 Grade 3. UL file # FUOR.R39005.
- UL file #: GVEV.R39005.
- BHMA CERTIFIED.
- Single & double action are available.
- DC6224BCG double action is not UL listed.
- Extruded aluminium body.
- Maximum opening angle 120 degree.
- Standard adjustable backcheck. Guide rail. Non- handed.
- Suitable for door thickness 44 mm and above. Standard wood and machine screws pack.
- Regular and transom mounting installation.
- Standard finish: Silver (Aluminium- SE).
- Other finishes are available upon request.









As per ANSI Standard:

MODEL#	CLOSER SIZE	MAXIMUM WIDTH OF DOOR(MM)
DC6224BCG	2-4	609.6 - 965

As per EN Standard:

CATEGORY OF USE	NUMBER OF TEST CYCLES	TEST DOOR MASS/ SIZE	FIRE BEHAVIOUR	SAFETY	CORROSION RESISTANCE
3	8	2/4	1 ª	1	4

Door closer power size: leaf maximum width 1100mm, test door mass 80kg.

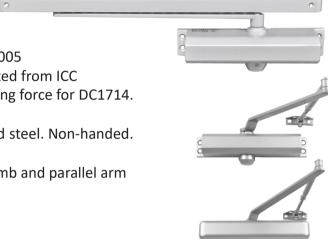


ITEM CODE: DC1700 SERIES



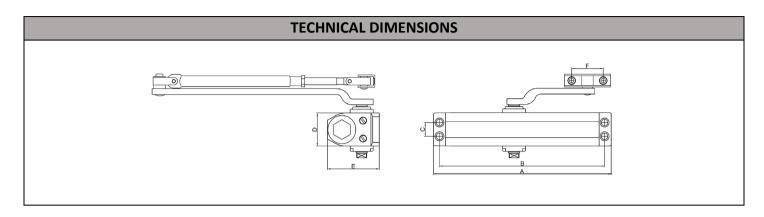


- Fixed power size 3, 4 or 5 and adjustable power size 1-4, 1-5, 3-6 or 2-6.
- Standard sweep and latching speed.
- UL listed. UL10C 3 hours fire rated. UL file #: GVEV.R39005
- ADA compliant (American with Disabilities Act), extracted from ICC (International Code Council) A117.1. Meets 5 lbs opening force for DC1714.
- BHMA CERTIFIED, Grade 1.
- Closer body in: Cast aluminium. Closer arm in: Stamped steel. Non-handed.
- Available with or without adjustable backcheck.
- Standard in package: tri-packed for regular arm, top jamb and parallel arm application. Optional: Available with guide rail.
- Standard self-tapping and drilling screws.
- Standard finish: Silver (Aluminium-SE).
- Other finishes are available upon request.



MOUNTING STYLES FOR DC1700			
REGULAR ARM INSTALLATION CLOSER IS INSTALLED ON PULL/HINGE SIDE OF DOOR	TOP JAMB INSTALLATION CLOSER IS INSTALLED ON FRAME ON PUSH SIDE OF DOOR	PARALLEL ARM INSTALLATION CLOSER IS INSTALLED ON PUSH SIDE OF DOOR	

MOUNTING STYLES FOR DC1714BC GR			
HINGE PULL SIDE	TOP JAMB (PULL SIDE)	PUSH SIDE	



A. LENGTH OF CLOSER BODY: 248 MM	B. HORIZONTAL MOUNTING HOLES: 230 MM
C. VERTICAL MOUNTING HOLES: 19 MM	D. CLOSER BODY HEIGHT: 50 MM
E. PROJECTION FROM DOOR: 73 MM	F. ARM SHOE SPACING: 44 MM

	SELECTION CHART		
MODEL#	ANSI CLOSER SIZE	REMARK	
DC1703	3	Tri-Packed	
DC1704	4	Tri-Packed	
DC1705	5	Tri-Packed	
DC1714	1-4	Tri-Packed, with backcheck, ADA compliant, BHMA CERTIFIED	
DC1715	1-5	Tri-Packed with Backcheck, BHMA CERTIFIED	
DC1716	1-6	Tri-Packed with Backcheck	
DC1736	3-6	Tri-Packed with Backcheck	

CLOSER	REGULAR & TOP JAMB R MINIMUM - MAXIMUM WIDTH OF DOOR(MM)	
SIZE INTERIOR		EXTERIOR OR VESTIBULE DOORS
2	609 to 863.6	
3	863.6 to 965.5	609 to 762
4	965.5 to 1219.2	762 to 914.4
5	1219.2 to 1371.6	914.4 to 1066.8
6	1371.6 to 1524	1066.8 to 1219.2

CLOSER	PARALLEL ARM MINIMUM - MAXIMUM WIDTH OF DOOR(MM)	
SIZE INTERIOR EXTERIOR OR VESTIBULE DO		EXTERIOR OR VESTIBULE DOORS
3	609 to 863.6	
4	863.6 to 965.5	609 to 762
5	965.5 to 1219.2	762 to 914.4
6	1219.2 to 1371.6	914.4 to 1066.8



	OPTIONAL ACCESSORIES			
DESCRIPTION	РНОТО	ARTICLE #		
3 ½ inches Tall Drop Plate Parallel Arm Mount		DC1700-TDP-3.5		
2 9/16 inches Tall Narrow Drop Plate		DC1700-TNDP-2916		
Friction Type-Hold open arm.		FTHO		
Parallel Arm Bracket for FTHO		РАВ		
Slim Plastic Cover		SPC		
Connector Bolts and Sleeves - 4 Pcs/Pack		SN		
Extended Long Rod and Shoe Length 358.8 mm Top jamb reveal: 4 inches thru 8 inches		ELRS		
Parallel Arm Bracket		РАВХ		



ITEM CODE: DC8316 SERIES & DC8316BC-G SERIES

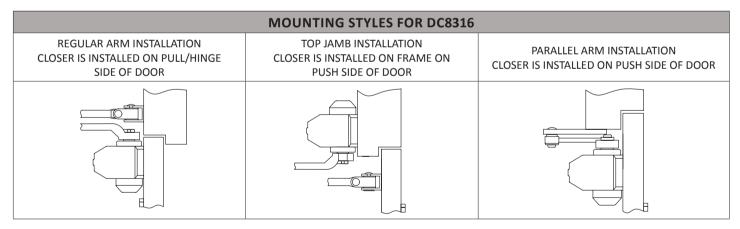


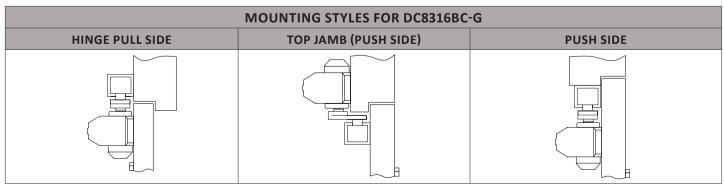




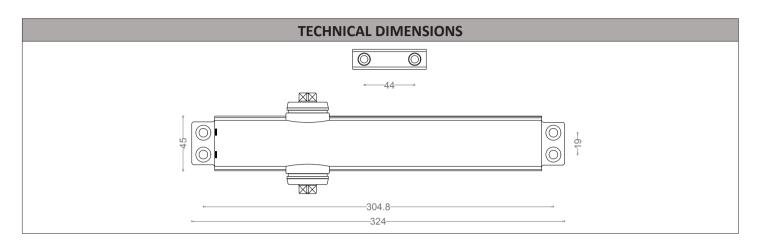


- Adjustable power size 1-6. Standard sweep and latching speed.
- UL listed. UL10C 3 hours fire rated. UL file #: GVEV.R39005.
- Tested to meet ANSI A156.4 Grade 1. UL file # FUOR.R39005.
- ADA compliant (American with Disabilities Act), extracted from ICC (International Code Council) A117.1.
- BHMA CERTIFIED.
- Closer projection: 56 mm (with cover).
- Closer body in: Cast aluminium. Closer arm in: Stamped steel. Nonhanded.
- Standard adjustable backcheck, full cover, self-tapping and drilling screws, connector bolts and sleeves.
- Available with slide arm/guide rail.
- Standard tri-packed for regular arm, top jamb and parallel arm application.
- Optional features: delayed action.
- Standard finish: Silver (Aluminium-SE). Other finishes are available upon request.









SELECTION CHART			
MODEL#	ANSI CLOSER SIZE	REMARK	
DC8316	1-6	Tri-Packed, Backcheck, ADA compliant, BHMA CERTIFIED	
DC8316DA	1-6	Tri-Packed, Backcheck, delayed action, ADA compliant, BHMA CERTIFIED	
DC8316BC-G	1-6	Tri-Packed, Backcheck, effective power size 1-4 due to guide rail installation, with hold open function	

REGULAR & TOP JAMB		ОР ЈАМВ
CLOSER SIZE	MINIMUM - MAXIMUM V	VIDTH OF DOOR(MM)
INTERIOR		EXTERIOR OR VESTIBULE DOORS
2	609 to 863.6	
3	863.6 to 965.5	609 to 762
4	965.5 to 1219.2	762 to 914.4
5	1219.2 to 1371.6	914.4 to 1066.8
6	1371.6 to 1524	1066.8 to 1219.2

CLOSER SIZE	PARALLEL ARM MINIMUM - MAXIMUM WIDTH OF DOOR(MM)		
INTERIOR		EXTERIOR OR VESTIBULE DOORS	
3	609 to 863.6		
4	863.6 to 965.5	609 to 762	
5	965.5 to 1219.2	762 to 914.4	
6	1219.2 to 1371.6	914.4 to 1066.8	



OPTIONAL ACCESSORIES			
DESCRIPTION	PRODUCT	PRODUCT CODE	
Drop Plate for Regular Arm mounting		83-DPRA	
Drop Plate for Top Jamb mounting		83-DPTJ	
Drop Plate for Parallel Arm mounting		83-DPPA	
Friction Type-Hold Open Arm		83-ГНОА	
Parallel Arm Bracket for 83-FHOA		PAB	
Adjustable Hold Open Arm		9689-AHO	
Heavy Duty Cush Stop Arm		9689-CSA	



OPTIONAL ACCESSORIES			
DESCRIPTION	PRODUCT	PRODUCT CODE	
Heavy Duty Parallel Arm with Spring Cush Dead Stop		9689-SCDS	
Heavy Duty Cush Stop Arm with Hold Arm		9689-CSHO	
Heavy Duty Hold Open Parallel Arm With Spring Cush Dead Stop		9689-CSHO-5950	
Friction Type hold open Arm		96-FHO	
Plunger Hold Open Arm		9689-ISH	
Spring Cushion for Cush or Cush Hold Open Arm		5590	
Slim Plastic Cover		DC8316 SLIM COVER	



OPTIONAL ACCESSORIES			
DESCRIPTION	PRODUCT	PRODUCT CODE	
Stainless Steel Cover		83-SS	
Connector Bolts and Sleeves - 4 Pcs/Pack		SN	
Blade Stop Spacer		1719-BSS	
Extended Long Rod and Shoe Length 343.6 mm Top jamb reveal: 4 inches thru 8 inches		19-ELR	
Parallel Arm Bracket	3	PABX	





ITEM CODE: DC8416



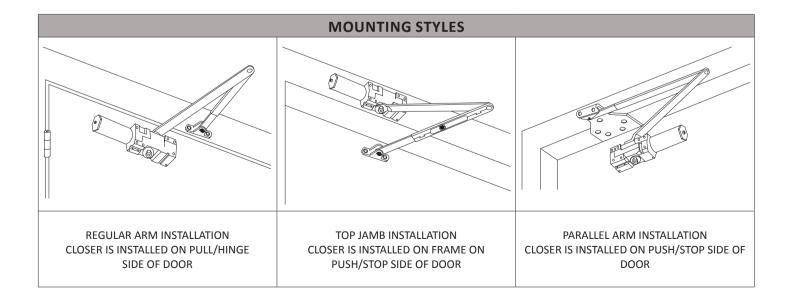




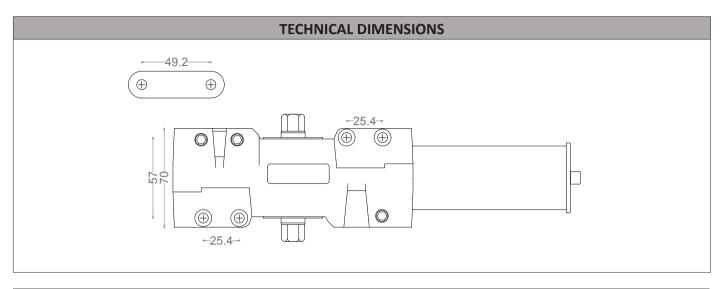


- Adjustable power size 1 6.
- Standard sweep and latching speed.
- UL listed. UL10C 3 hours fire rated.
- UL file number: GVEV.R39005.
- Tested to meet ANSI A156.4 Grade 1.UL file # FUOR.R39005.
- ADA Compliant (American with Disabilities Act), extracted from ICC (International Code Council) A117.1. Meets 5 lbs opening force for DC8416 and DC8416DA.
- BHMA CERTIFIED.
- Projection from door: 59 mm (with cover).
- Closer body in: Cast Iron. Closer arm in: Forget Steel. Nonhanded.
- Standard backcheck and full plastic cover.
- Standard tri-packed for regular arm, top jamb and parallel arm application.
- Standard packing including connector bolts and sleeves.
- Optional features: Delayed action.
- Standard finish: Silver (Aluminium-SE).
- Other finishes are available upon request.









A.	LENGTH OF CLOSER BODY: 280 MM	В.	HORIZONTAL MOUNTING HOLES: 25.4 MM
C.	VERTICAL MOUNTING HOLES: 57 MM	D.	CLOSER BODY HEIGHT: 70 MM
E.	PROJECTION FROM DOOR: 51 MM	F.	ARM SHOE SPACING: 49.2 MM

SELECTION CHART			
Model# ANSI CLOSER SIZE REMARK			
DC8416	1-6	Tri-Packed, Backcheck, ADA compliant, BHMA CERTIFIED	
DC8416DA	1-6	Tri-Packed, backcheck, Delayed Action, ADA compliant, BHMA CERTIFIED	

CLOSER SIZE	REGULAR & TOP JAMB MINIMUM - MAXIMUM WIDTH OF DOOR(MM)		
	INTERIOR	EXTERIOR OR VESTIBULE DOORS	
2	609 to 863.6		
3	863.6 to 965.5	609 to 762	
4	965.5 to 1219.2	762 to 914.4	
5	1219.2 to 1371.6	914.4 to 1066.8	
6	1371.6 to 1524	1066.8 to 1219.2	

CLOSER SIZE	PARALLEL ARM MINIMUM - MAXIMUM WIDTH OF DOOR(MM)		
INTERIOR		EXTERIOR OR VESTIBULE DOORS	
3	609 to 863.6		
4	863.6 to 965.5	609 to 762	
5	965.5 to 1219.2	762 to 914.4	
6	1219.2 to 1371.6	914.4 to 1066.8	



OPTIONAL ACCESSORIES				
DESCRIPTION	PRODUCT	PRODUCT CODE		
Drop Plate-Regular arm Mount Required for hinge side mount when top rail is less than 3 3/4" Plate require 2" minimum top rail		84-DPRA		
Drop Plate-Low Clearance For use when ceiling clearance prevents normal top jamb mounting For use when overhead door holder prevents normal top jamb mounting		84-DPLR		
Drop Plate-Pop Jamb mount Required for top jamb when frame face is less than 3 1/2" (89mm) Plate require 1 3/4" minimum frame face For use with plastic cover		84-DPPJ		
Drop Plate-Parallel Arm mount Required for parallel arm when top rail is less than 5 1/2", measured from the stop Plate require 2" minimum top rail		84-DPPA		
Friction type-Hold open arm With P.A.B		84-FHOA		
Parallel Arm Bracket for 84-FHOA		PAB		
Heavy Duty Parallel Arm		84-HDPA		



OPTIONAL ACCESSORIES				
DESCRIPTION	PRODUCT	PRODUCT CODE		
Heavy Duty Parallel Arm with Dead Stop		84-CSA		
Heavy Duty Parallel Arm with Spring Cush Dead Stop		8489-SCDS		
Heavy Duty Hold Open Parallel Arm with Dead Stop		8489-CSHO		
Heavy Duty Hold Open Parallel Arm with Spring Cush Dead Stop		8489-CSHO-5950		
Stainless Steel Cover		84-SS		
Spring Cushion for Cush or Cush Hold Open Arm		5590		
Blade Door Spacer		1720-Bss		



OPTIONAL ACCESSORIES			
DESCRIPTION	PRODUCT	PRODUCT CODE	
Cush Shoe Support		84-CSS	
Extended Long Rod and Shoe Length 217.1 mm Top jamb reveal: 2 5/8 inches thru 4 13/16 inches		84-ELR	
Extra Extended Long Rod and Shoe Length 314 mm Top jamb reveal: 4 7/8 inches thru 8 inches	(a)	84-EELR	





ITEM CODE: DC8900 SERIES





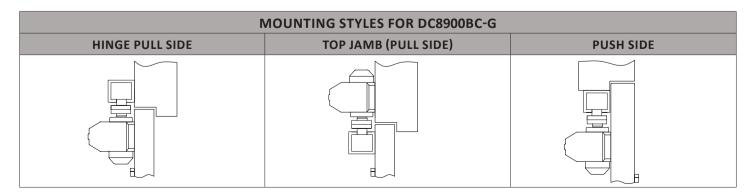




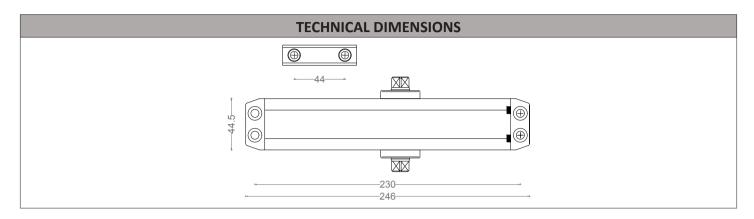
- Fixed power size 3, 4 or 5 and adjustable power.
- Size 1-4, 1-5, 1-6 or 3-6.
- Standard sweep and latching speed.
- UL listed (all models). UL10C 3 hours fire rated.
- UL file #: GVEV.R39005.
- Tested to meet ANSI A156.4 Grade 1.UL file # FUOR.R39005.
- ADA compliant (American with Disabilities Act), extracted from ICC (International Code Council) A117.1. Meets 5 lbs opening force.
- BHMA CERTIFIED.
- Stainless steel covers are available. Guide rail is available.
- Closer body in: Cast aluminium. Closer arm in: Forged steel. Nonhanded.
- Standard adjustable backcheck.
- Standard tri-packed for regular arm, top jamb and parallel arm application.
- Standard self-tapping and drilling screws.
- Standard finish: Silver (Aluminium-SE).
- Other finishes are available upon request.



MOUNTING STYLES FOR DC8900				
REGULAR ARM INSTALLATION CLOSER IS INSTALLED ON PULL/HINGE SIDE OF DOOR	TOP JAMB INSTALLATION CLOSER IS INSTALLED ON FRAME ON PUSH SIDE OF DOOR	PARALLEL ARM INSTALLATION CLOSER IS INSTALLED ON PUSH SIDE OF DOOR		







A. LENGTH OF CLOSER BODY: 248 MM	B. HORIZONTAL MOUNTING HOLES: 230 MM
C. VERTICAL MOUNTING HOLES:19 MM	D. CLOSER BODY HEIGHT: 46 MM
E. PROJECTION FROM DOOR: 70 MM	F. ARM SHOE SPACING: 44 MM

MODEL#	ANSI CLOSER SIZE	REMARK			
DC8902	2	Tri-Packed			
DC8903	3	Tri-Packed			
DC8903BC	3	Tri-Packed with Backcheck			
DC8904BC	4	Tri-Packed with Backcheck			
DC8905BC	5	Tri-Packed with Backcheck			
DC8914BC	1-4	Tri-Packed with Backcheck, ADA compliant			
DC8915BC	1-5	Tri-Packed with Backcheck			
DC8936BC	3-6	Tri-Packed with Backcheck			
DC8916BC	1-6	Tri-Packed with Backcheck, BHMA CERTIFIED			

CLOSER SIZE	REGULAR & TO MINIMUM - MAXIMUM W	
	INTERIOR	EXTERIOR OR VESTIBULE DOORS
2	609 to 863.6	
3	863.6 to 965.5	609 to 762
4	965.5 to 1219.2	762 to 914.4
5	1219.2 to 1371.6	914.4 to 1066.8
6	1371.6 to 1524	1066.8 to 1219.2

CLOSER SIZE	PARALLEL ARM MINIMUM - MAXIMUM WIDTH OF DOOR(MM)						
INTERIOR EXTERIOR OR VESTIBULE DO							
3	609 to 863.6						
4	863.6 to 965.5	609 to 762					
5	965.5 to 1219.2	762 to 914.4					
6	1219.2 to 1371.6	914.4 to 1066.8					



	OPTIONAL ACCESSORIES	
DESCRIPTION	PRODUCT	PRODUCT CODE
3 ½ inch Tall Drop Plate Parallel Arm Mount		89-DPPA
2 9/16 inches Tall Narrow Drop Plate Regular and Top Jamb Mount		89-DPNRTJ
Friction type-Hold Open Arm		97-FHO
Adjustable Hold Open Arm		9689-AHO
Heavy Duty Parallel Arm with Dead Stop		9689-CSA
Heavy Duty Parallel Arm with Spring Cush Dead Stop		9689-SCDS



	OPTIONAL ACCESSORIES	
DESCRIPTION	PRODUCT	PRODUCT CODE
Heavy Duty Hold Open Parallel Arm with Dead Stop		9689-CSHO
Heavy Duty Hold Open Parallel Arm With Spring Cush Dead Stop		9689-CSHO-5950
Spring Cushion for Cush or Cush Hold Open Arm		5590
Full Plastic Cover		89-FPC
Slim Plastic Cover		SPC
Connector Bolts and Sleeves - 4 Pcs/Pack		SN
Blade Stop Spacer		1719-BSS



OPTIONAL ACCESSORIES							
DESCRIPTION	PRODUCT	PRODUCT CODE					
EXTENDED LONG ROD AND SHOE LENGTH 358.8 MM TOP JAMB REVEAL: 4 INCHES THRU 8 INCHES		ELRS					
STAINLESS STEEL COVER		85-SS					
PARALLEL ARM BRACKET	3 00	PABX					
Cush Stop Arm With Regular Arm		9689-ISH					





ITEM CODE: DCR SERIES

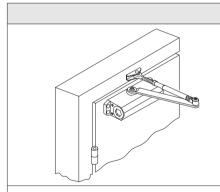




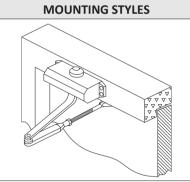


- Fixed power size 2/3/4/5/ or 6.
- Power size by template (2,3 and 4 for DCR3-X).
- Adjustable close/sweep and latch speed.
- UL listed. UL10C up to 3 hours fire rated.
- Fire rated up to 4 hours to EN 1634-1:2014 (E and El fire doors).
- UL file number: GVEV.R39005.
- Non-handed.
- High strength die cast aluminium body.
- Standard package: Regular and top jamb installation.
- Optional mounting: Parallel bracket for parallel arm installation. Hold open arm for DCR2 & DCR3.
- Optional: ABS cover.
- Standard finish: Silver (Aluminium-SE).
- Other finishes are available upon request.

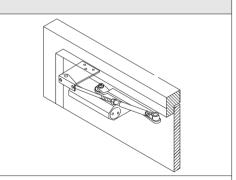




REGULAR ARM INSTALLATION CLOSER IS INSTALLED ON PULL/HINGE SIDE OF DOOR

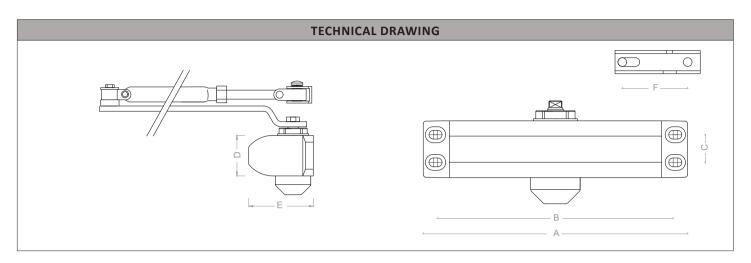


TOP JAMB INSTALLATION CLOSER IS INSTALLED ON FRAME ON PUSH/STOP SIDE OF DOOR



PARALLEL ARM INSTALLATION
CLOSER IS INSTALLED ON PUSH/STOP SIDE OF
DOOR





A.	LENGTH OF CLOSER BODY	B.	HORIZONTAL MOUNTING HOLES SPACING
C.	VERTICAL MOUNTING HOLES SPACING	D.	CLOSER BODY HEIGHT
E.	PROJECTION FROM DOOR	F.	ARM SHOE SPACING

		MINIMU		DIMENSIONS WIDTH OF DO	OR (MM)			STANDARD & TOP JAMB			
Model#							CLOSER SIZE				
	Α	В	С	D	E	F		INTERIOR	EXTERIOR OR VESTIBULE DOORS		
DCR2	147	132	19	36	56	44	2	609 to 863.6			
DCR3	178	162	19	39	62	44	3	863.6 to 965.5	609 to 762		
DCR4	204	188	19	42	71	44	4	965.5 to 1219.2	762 to 914.4		
DCR5	226	208	19	16	72	44	5	1219.2 to 1371.6	914.4 to 1066.8		
DCR6	248	230	19	46	72	44	6	1371.6 to 1524	1066.8 to 1219.2		

		MINIMU		DIMENSIONS WIDTH OF DO	OR (MM)			PARALL	PARALLEL ARM	
Model#	А	В	С	D	E	F	CLOSER SIZE	INTERIOR	EXTERIOR OR VESTIBULE DOORS	
DCR2	147	132	19	36	56	44	2			
DCR3	178	162	19	39	62	44	3	609 to 863.6		
DCR4	204	188	19	42	71	44	4	863.6 to 965.5	609 to 762	
DCR5	226	208	19	16	72	44	5	965.5 to 1219.2	762 to 914.4	
DCR6	248	230	19	46	72	44	6	1219.2 to 1371.6	914.4 to 1066.8	



