



7100 SERIES

Institutional Full Featured Closer
Grade 1



7100 w/ Cover and
Parallel Arm Option



Spring Cushion Stop

SPECIFICATIONS



- HANDING:**
 - Non-handed
- OPERATION:**
 - Rack and pinion design
- BODY:**
 - Cast Iron
- ARMS:**
 - Forged steel main arm
- ARM OPTIONS:**
 - Hold open arm
 - Track/Track Hold Open
 - DS/DSHO heavy duty parallel stop arm
 - Spring Cushion Stop for DS/DSHO
 - EDA (Extra Duty PA Arm).
- PISTON:**
 - Hardened steel, 1-1/2" diameter
- ADJUSTMENT:**
 - Adjustable controlled closing
 - Separate hydraulic backcheck standard
 - Backcheck positioning valve standard
 - Separate sweep, latch, backcheck intensity and backcheck positioning valves
 - Optional delayed action (in addition to backcheck)
- ADJUSTMENT VALVES:**
 - All Adjustment Valves are STAKED.
- FACTORY DEFAULT SPRING SETTING:**
 - Size 3
- SIZE:**
 - Adjustable BF Plus 1 through 6
- MOUNTING:**
 - Mounting hole pattern retrofits LCN® 4040 (for more comparisons, see cross reference table)
 - Tri-packed for regular, top jamb and parallel arm installations
 - Includes fasteners for metal and wood doors
 - Sex nuts and bolts standard
 - Self drilling self tapping screws available
- COVER:**
 - Full plastic cover standard (non-handed), optional full metal cover available (handed)
- FINISHES:**
 - 605 (US3) - Polished Brass, 625 (US26) - Polished Chrome, 689 (US28) - Aluminum, 695 (N/A) - Duro Bronze, 696 (US4) - Gold
- FINISHES - SPRING CUSHION STOPS:**
 - 605 (US3) - Bright Brass (PVD), 613 (US10B) - Oil Rubbed Bronze (PVD), 630 (US32D) - Satin Stainless Steel Note: PVD (Physical Vapor Deposition) coated finishes offer outstanding resistance to wear, durability and corrosion.
- CERTIFICATIONS LISTINGS COMPLIANCES:**
 - UL228 listed
 - ANSI/UL 10C listed for labeled swinging fire doors rated for up to and including 3 hours
 - Certified to ANSI/BHMA A156.4-2006 Grade 1
 - Complies with ADA (Americans with Disabilities Act) and ICC/ANSI 117.1 for Accessible and Usable Buildings
 - Meets requirements of the Buy American Act
- WARRANTY:**
 - Twenty-five (25) year limited warranty

7100
Without Cover



SPRING CUSHION STOPS



PDQ's SCS Series Spring Cushion Stop helps reduce wear and tear on the opening. As the door begins moving through backcheck to its maximum opening angle, the stop acts as a shock absorber, dampening the impact forces.



NOTE: PLUNGER SHOWN IN RED TO ENHANCE THE CUSHIONING FEATURE.



STOP SHOWN BEFORE DOOR IS FULLY OPENED



STOP SHOWN WHEN DOOR IS FULLY OPENED

FINISHES

ARCHITECTURAL



605 (US3)
Bright Brass



625 (US26)
Bright Chromium



689 (US28)
Aluminum



695 (N/A)
Dark Duranodic
Bronze



696 (US4)
Satin Brass
(Gold)

PAINTED

Finishes shown are representative only. PDQ cannot guarantee that product shipped will match finishes shown. Not all products are available in all finishes listed.


FEATURES

- 5lb. Barrier Free Spring Setting for ADA Compliance
- 6 Additional Spring Settings that Provide 17% More Adjustment Capability to Find that Sweet Spot for Optimal Door Closing Action.
- Barrier Free Settings Available on Both Regular/ Top Jamb and Parallel Arm Applications.

TYPICAL APPLICATIONS



- Assisted Living
- Church
- Federal Government
- Healthcare
- Higher Education
- Hospitality
- Industrial
- K-12 Education
- Multi-Family
- Office
- Retail
- State & Local Government

HOW TO ORDER

SERIES		SIZE		OPTIONS		ACCESSORIES	
71 - 7100 Series Door Closer		1 - Adjustable  BF-6		DS - Door Saver Arm ¹ DSHO - Door Saver Hold Open Arm ² EDA - Extra Duty Arm ¹ EDA HO - Extra Duty Arm Hold Open ^{1,2} HO - Hold Open, Tri-Pack ² PA - Tri-Pack (standard) SCS - Spring Cushion Stop TA - Track Arm TAHO - Track Arm Hold Open ²		Blank - SNB & Full Plastic Cover (Standard) BP - Back Plate BPTJ - Top Jamb Back Plate BS - Blade Stop Spacer DPTJ - Top Jamb Drop Plate DPPA - Parallel Arm Drop Plate FCM - Full Metal Cover specify Hand NFB - Narrow Frame Bracket SDST - Self Drilling Self Tapping Screws	
71	0	1	BC	PA	689	BP	
0 - Non-Delayed Action 4 - Delayed Action (In Addition To Backcheck)		BC - Adjustable Hydraulic Backcheck (Standard) Backcheck Positioning (Standard)		605 - Polished Brass 625 - Polished Chrome 689 - Aluminum 695 - Duro Bronze 696 - Gold			
DELAYED ACTION		BACKCHECK		FINISH			

Ordering Example: 7101 BCPA 689 NOTES: 1 - For EDA (Extra Duty PA Arm) applications, remove stop from soffit bracket. Requires separate limiting stop by others.
2 - Not appropriate for use on fire labeled doors

SIZE SELECTOR

APPLICATION	CLOSER SIZE	INTERIOR	EXTERIOR
Regular / Top Jamb	 BF	5 lbf (36" door)	NA
	1	32"	28"
	2	36"	32"
	3	42"	36"
	4	48"	42"
	5	54"	48"
Parallel Arm	 BF	5 lbf (36" door)	NA
	1	28"	NA
	2	32"	28"
	3	36"	32"
	4	42"	36"
	5	48"	42"
6	54"	48"	

Note: 7100 Series Closers can be adjusted to meet ADA barrier free applications. Strict compliance with ADA barrier free requirements may result with door not fully closing and latching. Check with local AHJ. Closer sizes may vary due to site conditions.

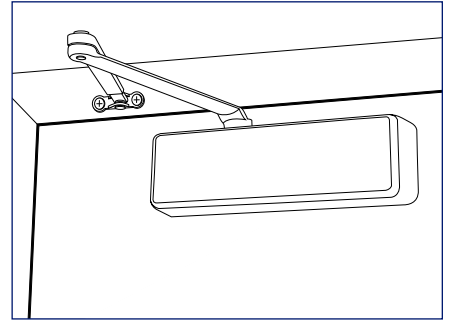
CROSS REFERENCE

MANUFACTURER	PDQ	CAL ROYAL	CORBIN/RUSSWIN®	DORMA	HAGER	LCN®	NORTON®	SARGENT®	YALE®
SERIES	7100	CR441	DC8000	8900	5100	4040	7500	281	5800/4400
MOUNTING HOLE PATTERN RETRO-FIT	YES	YES	NO	NO	NO	YES	NO	NO	NO

Information on this sheet is compiled from public documents and third parties. As a result, PDQ makes no guarantees as to their accuracy, content, quality or availability. Comparisons were made using the technical features only and are not commercial comparisons. Final suitability should be determined by a professional hardware consultant.

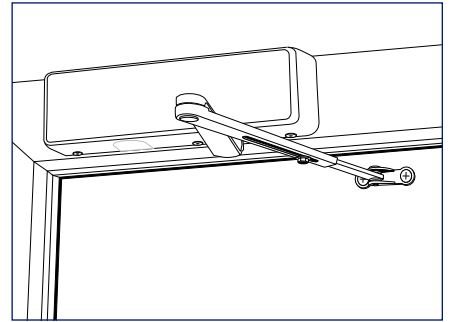
REGULAR ARM

Regular arm mount is a pull side application with double lever arm. The closer mounts on the door and the arm mounts to the frame. It provides the most efficient operation for a door control and is commonly used on in-swing doors from corridors or other interior doors. Regular arm mount is a poor choice for exterior out-swinging doors as it would put the closer on the exterior of the building. The arm assembly projects directly out from the frame. That may be a concern for vandalism or aesthetics. Regular arm application can be used with non-hold open or hold open arms.



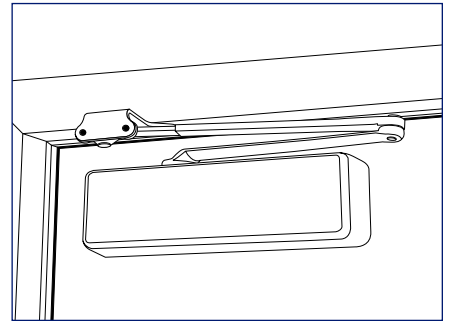
TOP JAMB

Top jamb mount is a push side double lever arm application that offers the best alternative to regular arm mount. The closer mounts to the frame and the arm mounts to the door. This application is commonly used on exterior out-swinging doors. It is a poor application for in-swinging doors from a corridor as it places the closer arm in a visible application projecting into the corridor. The arm projects out similar to regular arm mount. Therefore, it can be a concern for vandalism or aesthetics. Top jamb application can be used with non-hold open or hold open arms.



PARALLEL ARM

Parallel arm mount is a push side double lever arm application. The closer is installed on the push side of the door and the arm is mounted to a parallel arm adapter plate installed to the frame soffit. The arm is approximately parallel with the face of the door, eliminating the projection condition evident with regular arm and top jamb applications. Parallel arm is often preferred where aesthetics or vandalism are concerns. Parallel arm is less efficient than regular or top jamb mounts due to the geometry of the arm. Parallel arm application can be used with non-hold open or hold open arms.



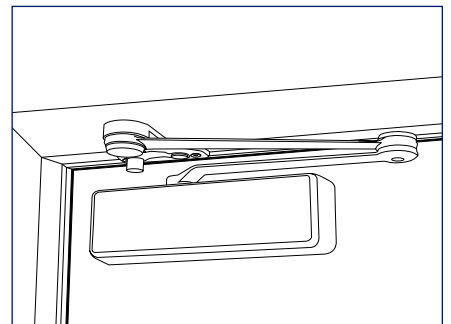
PARALLEL ARM (DS/DSHO) STOP ARM EXTRA DUTY ARM (EDA/EDAHO) ARM

The parallel stop arm mount is an enhanced version of the parallel arm application. It is similar to the parallel arm mount but incorporates a heavy duty rigid arm and soffit plate with limiting dead stop. The dead stop feature is field handed. The closer's backcheck function should be adjusted to cushion the impact of the stop. The parallel stop arm is intended for use where an auxiliary stop cannot be utilized. The parallel stop arm is available in non-hold open (DS) and hold open (DSHO) applications.



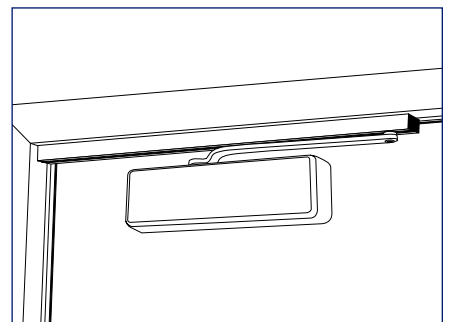
Recommend using the SCS Spring Cushion Stop for moderate to high abuse installations.

For Extra Duty PA Arm applications, specify EDA or EDAHO. Similar to DS/DSHO without the stop. Requires separate limiting stop by others.

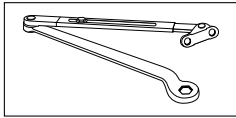


TRACK ARM (TA)

The non-handed track arm mount incorporates a single forged main arm for installation in high use, high abuse door applications. It's low profile helps prevent damage.

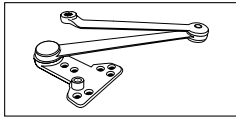


ACCESSORIES/OPTIONS



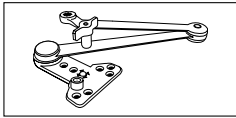
RA - REGULAR ARM — Can be mounted REG/TJ/PA (requires PA bracket)

Part No.: 719003



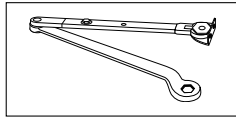
DS - DOOR SAVER (LIMITING STOP) ARM — PA application only

Part No.: 719005



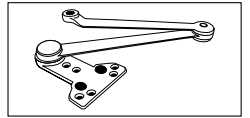
DSHO - DOOR SAVER (LIMITING STOP) HOLD OPEN ARM — PA application only

PART NO.: 719016



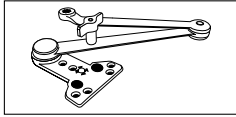
HO - HOLD OPEN ARM — Can be mounted REG/TJ/PA (requires PA bracket)

PART NO.: 719002



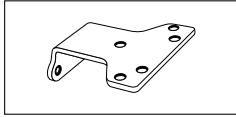
EDA - EXTRA DUTY ARM — PA application only (bumper eliminated)

PART NO.: 719005



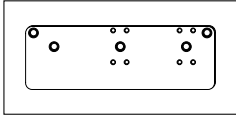
EDAHO - EXTRA DUTY ARM HOLD OPEN — PA application only (bumper eliminated)

PART NO.: 719005



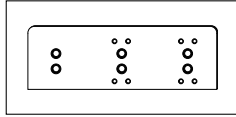
PA - PARALLEL ARM BRACKET — Hold Open & Non-Hold Open

PART NO.: 719001



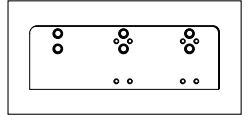
BP - BACK PLATE — For regular arm applications to clear mortised stop/holder

PART NO.: 719008



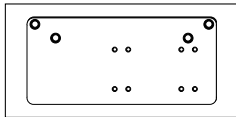
BPTJ - TOP JAMB BACK PLATE — Required to mount TJ on frame face less than 4"

PART NO.: 719024



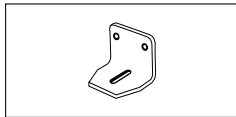
DPTJ - TOP JAMB DROP PLATE — Required to mount TJ w/limited ceiling clearance or to clear surface applied stop/holder

PART NO.: 719023



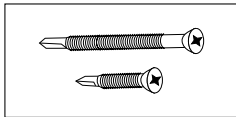
PARALLEL ARM DROP PLATE — Required for Parallel arm mount with limited top door rail

PART NO.: 719018



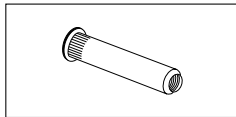
NFB - NARROW FRAME BRACKET — For use w/DS/DSHO/SCS arms & BS spacer for added reinforcement with narrow frame applications

PART NO.: 999011



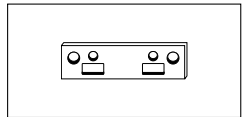
SDST - SELF DRILLING SELF TAPPING SCREWS

PART NO.: 719007



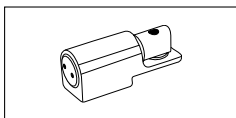
SNB - SEX NUTS AND BOLTS — For through bolting on unreinforced, hollow core, composite or labeled fire doors 1-3/4" only

PART NO.: 999004



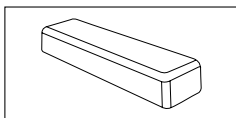
BS - BLADE STOP SPACER — Shims all PA brackets to clear 1/2" blade stop PA application only

PART NO.: 999026



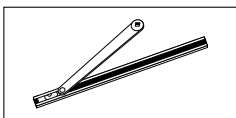
SCS - SPRING CUSHION STOP — For use w/DS/DSHO (PA mount) arms only

PART NO.: 999032-01, 999033-01



FC - FULL PLASTIC COVER

PART NO.: 719006



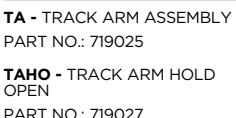
TA - TRACK ARM ASSEMBLY

PART NO.: 719025



FCM - FULL METAL COVER (OPTIONAL)

PART NO.: 719006ST



TAHO - TRACK ARM HOLD OPEN

PART NO.: 719027

ANSI FUNCTIONS TO PDQ MODELS

			ANSI OPTIONS						
ANSI NUMBER	MOUNTING	PDQ MODEL	PT-4A	PT-4C	PT-4D	PT-4E	PT-4F	PT-4G	PT-4H
C02011	HINGE SIDE	7101BCPA	X	X	X	X			X
		7141BCPA	X	X	X	X	X		X
C02021	PARALLEL	7101BCPA	X	X	X	X			X
		7141BCDS	X	X	X	X	X	X	X
C02041	TOP JAMB	7101BCPA	X	X	X	X			X
		7141BCPA	X	X	X	X	X		X
C02051	HINGE SIDE HOLD OPEN	7101BCHO	X	X	X	X			X
		7141BCHO	X	X	X	X	X		X
C02061	PARALLEL HOLD OPEN	7101BCDSHO	X	X	X	X		X	X
		7101BCHO	X	X	X	X			X
		7141BCDSHO	X	X	X	X	X	X	X
		7141BCHO	X	X	X	X	X		X
C02081	TOP JAMB HOLD OPEN	7101BCHO	X	X	X	X			X
		7141BCHO	X	X	X	X	X		X
C02211	HINGE SIDE TRACK	7101BCTA	X	X	X	X			X
		7141BCTA	X	X	X	X	X		X
C02221	HINGE SIDE HOLD OPEN TRACK	7101BCTAHO	X	X	X	X			X
		7141BCTAHO	X	X	X	X	X		X

SUGGESTED ARCHITECTURAL SPECIFICATIONS

All door closers shall be PDQ Industries, Inc. 7100 Series with full rack and pinion construction, heavy duty cast iron closer body, forged steel main arm and full architectural cover. Hydraulic control shall be through separate hex key non-critical sweep, latch and backcheck valve adjustment. Backcheck positioning valve to provide consistent backcheck range on parallel arm applications. Optional delayed action (in addition to backcheck) to be effective from maximum opening to approximately 70 degrees. Closers shall be non-handed, suitable for regular, top jamb and parallel arm applications with fasteners for wood and metal doors and frames. Sex nuts and bolts shall be furnished standard. Spring adjustment to be provided throughout a range of sizes to include Barrier Free plus sizes 1-6 and capable of meeting barrier free force restrictions. All products to carry a 25-year manufacturer's limited warranty. Closers shall be listed by U.L./U.L.C., comply with UL 10C and UBC 7-2 (1997) for positive pressure and certified to ANSI A156.4 Grade 1.



SECURING
CONFIDENCE
OPENING
POSSIBILITIES

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