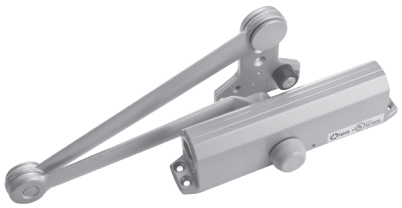
PDQ®

3100 Series

Light Commercial Closer Grade 1

pdqlocks.com

3100 Series



Pivot Stop Arm

The Pivot Stop Arm (PS) is designed to serve as a medium-duty door stop for situations where a door stop or overhead stop is not practical. PS uses backcheck to slow the door and a stop that is integrated into the closer arm to limit the travel of the door (integral stop). PS is available in Regular and Top Jamb mounting. Templating is available for opening angles from 85 - 100 degrees in 5-degree increments.

Spring Cushion Stops

630 SATIN STAINLESS STEEL

613E DARK OXIDIZED SATIN BRONZE (EQUIVALENT)

605 BRIGHT BRASS

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

Specifications

BODY:	• High strength aluminum alloy	
ARM OPTIONS:	• **PA –** Parallel Arm • **PS –** Pivot Stop Arm • **HO –** Hold Open	• **DS/DSHO –** Heavy Duty Parallel Arm Stop • **SCS/SCSHO –** Heavy Duty Parallel Arm Cushion Stop
ADJUSTMENT:	• Separate hydraulic backcheck standard • Hydraulic controlled closing standard	
SIZE:	• 3101 = Adjustable BF - 4 • 3100 = Adjustable 3 - 6	
MOUNTING:	• Common 9-1/16" x 3/4" mounting hole pattern retrofits Yale® 50, Norton® 1600 • Tri-packed for regular, top jamb and parallel arm installations • Includes sex nuts/bolts and screws for wood, metal doors frames • **Self drilling self tapping screws standard** • Separate limiting stop may be required for high abuse applications	
COVER:	• Streamline plastic cover optional	
COLOR FINISHES:	• 689 – Aluminum, 693 – Black, 695 – Duro Bronze, 696 – Gold	
WARRANTY:	• Twenty-five (25) year Limited Warranty	
CERTIFICATIONS COMPLIANCES:	• UL listed for labeled swinging fire doors rated up to and including 3 hours • Certified to ANSI/BHMA A156.4 Grade 1 • Complies with ADA (Americans with Disabilities Act) and ICC/ANSI 117.1 for Accessible and Usable Buildings • TAA compliant. Country of origin: KR	

Finishes

Painted

689 (US28) Aluminum

693 Black

695 Dark Duranodic Bronze

696 Gold

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

Typical Applications

- Aluminum Storefronts
- Assisted Living
- Hospitality
- Interior Offices
- Multi-family

Features

- Traditional door style door control for use in commercial door applications
- Fasteners are provided to facilitate installation on wood, hollow metal and aluminum doors and frames
- The closers are non-handed and tri-packed for maximum versatility to permit regular, top-jamb and parallel arm installations
- The common 9-1/16" mounting hole pattern permits simple installation on new and retrofit applications.
- Maximum 3-11/16" reveal for Top Jamb.

How to Order

QUANTITY	SERIES	SIZE	BACKCHECK	ARM TYPES	FINISH	ACCESSORIES
10	**31**	**00**	**BC**	**PA**	**689**	**—**
		00 – Adjustable Size 3-6 **01** – Adjustable Size BARRIER FREE BF - 4	**BC** – Adjustable Hydraulic Backcheck	**DS** – Door Saver Arm **DSHO** – Door Saver Hold Open Arm **HO** – Hold Open, Tri-Pack **PA** – Tri-Pack (standard) **SCS** – Spring Cushion Stop **SCSHO** – Spring Cushion Stop Hold open **PS** – Pivot Stop Arm	**689** – Aluminum **693** – Black **695** – Duro Bronze **696** – Gold	**BP** – Back Plate **BS** – Blade Stop Spacer **DP** – Drop Plate **NFB** – Narrow Frame Bracket

Size Selector

APPLICATION	CLOSER SIZE			INTERIOR	EXTERIOR
Regular / Top Jamb	3101	BF BARRIER FREE		5 lbf (36" door)	NA
		1		32"	28"
		2		36"	32"
		3	3100	42"	36"
		4		48"	42"
		5		54"	48"
		6		58"	54"
Parallel Arm	3101	BF BARRIER FREE		5 lbf (36" door)	NA
		1		28"	NA
		2		32"	28"
		3	3100	36"	32"
		4		42"	36"
		5		48"	42"
		6		54"	48"

Note: 3100 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

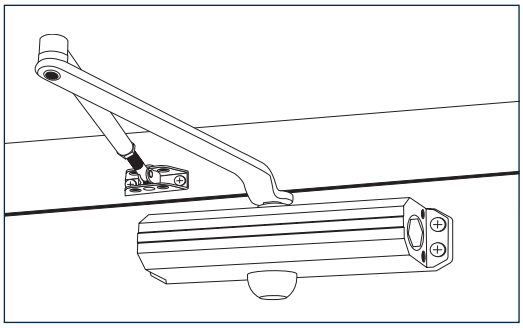
MANUFACTURER	PDQ	CAL ROYAL	CORBIN/ RUSSWIN®	DORMA	FALCON	HAGER	DORMA COMMERCIAL	LCN®	NORTON®	SARGENT®	ACCENTRA
SERIES	3100	300	N/A	3800	SC60	5300 LESS COVER	QDC300	1260	1600	1130	50
MOUNTING HOLE PATTERN RETRO-FIT	YES	YES	NO	NO	—	NO	—	YES	YES	YES	YES

Information on this sheet is compiled form 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 architectural hardware consultant.

Mounting Position

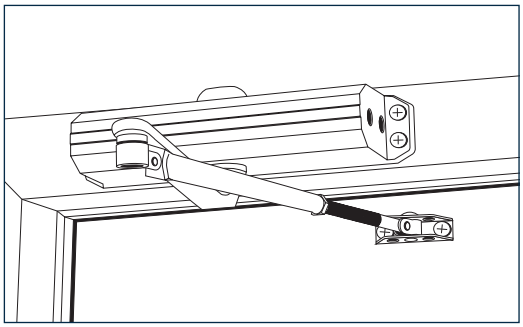
Regular Arm

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.



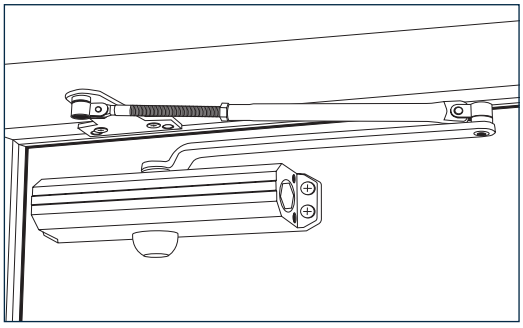
Top Jamb

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

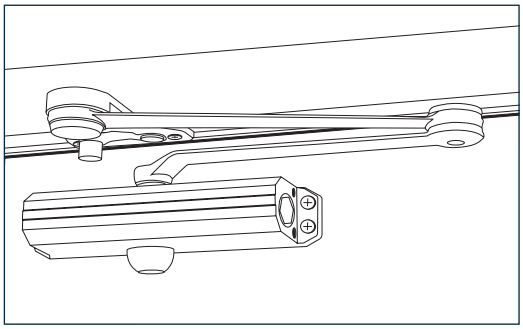
Parallel arm mount is a push side double lever arm application. The closer is installed on the push side of the door and the arm is mounted to a parallel arm adapter plate installed to the frame soffit. The arm is approximately parallel with the face of the door, eliminating the projection condition 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.



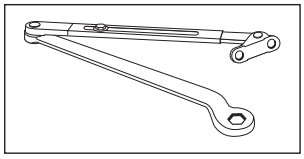
Parallel Arm (DS/DSHO) Stop Arm

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 back check 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. For EDA (Extra Duty PA Arm) applications, remove stop from soffit bracket. Requires separate limiting stop by others.

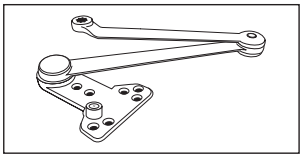
Recommend using the SCS Spring Cushion Stop for moderate to high abuse installations.



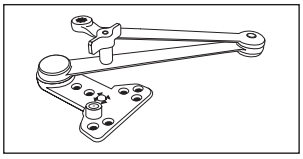
Arms



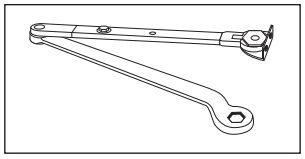
RA - REGULAR ARM



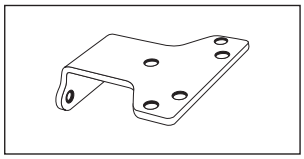
DS - DOOR SAVER (LIMITING STOP) ARM



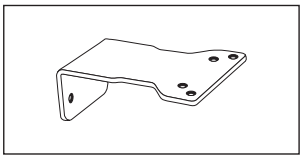
DSHO - DOOR SAVER (LIMITING STOP) HOLD OPEN ARM



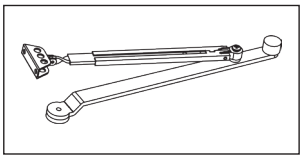
HO - HOLD OPEN ARM



PA - PARALLEL ARM BRACKET

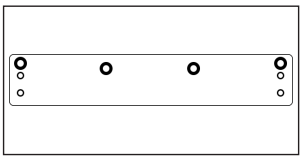


PAHO - PARALLEL ARM HO BRACKET

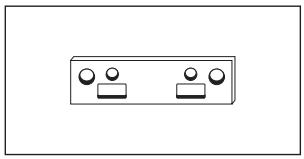


PS - PIVOT STOP ARM

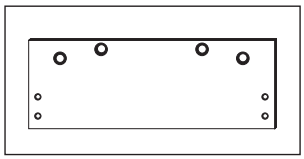
Accessories



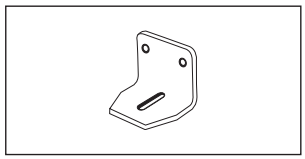
BP - BACK PLATE



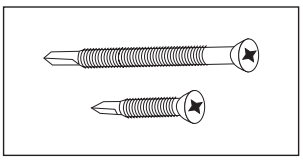
BS - BLADE STOP SPACER



DPTJ - DROP PLATE

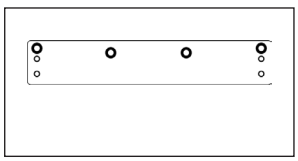


NFB - NARROW FRAME BRACKET

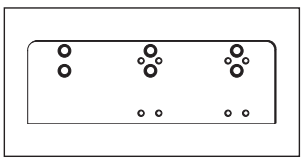


SDST - SELF DRILLING SELF TAPPING SCREWS

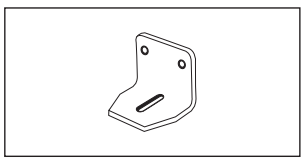
Mounting Plates



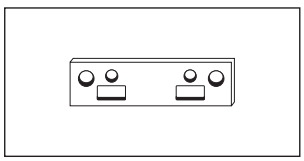
BP - BACK PLATE



DPTJ - TOP JAMB DROP PLATE

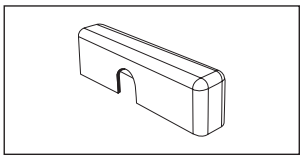


NFB - NARROW FRAME BRACKET



BS - BLADE STOP SPACER

Covers



SV - STREAMLINE PLASTIC COVER

Suggested Architectural Specifications

All door closers shall be full rack and pinion construction, cast aluminum closer body, round style arm assembly and optional streamline cover. Hydraulic control shall be through separate noncritical sweep, latch and back check valve adjustment. 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. Closers shall be available in adjustable spring size Barrier Free plus sizes 1-4 or 3-6. Closers shall be UL 10C listed and certified to ANSI/BHMA A156.4-2006 Grade 1. Barrier Free plus sizes 1-4 meets ADA requirements when used on a 36" door.

SECURING CONFIDENCE OPENING POSSIBILITIES

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