



5100 SERIES

Commercial Full Featured Closer
Grade 1

5100 w/ Cover and
Parallel Arm Option



Spring Cushion Stop

Specifications

- HANDING:** • Non-handed
- OPERATION:** • Rack and pinion design
- BODY:** • High Strength Aluminum Alloy
- ARM:** • Stamped 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).
 - PS Pivot stop arm
- PISTON:** • Hardened steel, 1-1/2" diameter
- ADJUSTMENT:**
 - Adjustable controlled closing
 - Separate hydraulic backcheck standard
 - Separate sweep, latch and backcheck intensity in addition to backcheck
 - Optional delayed action
- SIZE:**
 - Adjustable 1 through 6
 - Factory pre-set to size 3
- MOUNTING:**
 - Tri-packed for regular, top jamb and parallel arm installations
 - Fasteners furnished for metal, wood and aluminum doors and frames
 - 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
 - Meets requirements of the Buy American Act
- WARRANTY:**
 - Twenty-five (25) year limited warranty



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

Painted



605 (US3)
Bright Brass



625 (US26)
Bright Chromium Plated, No Coating



689 (US28)
Aluminum



695
Dark Duranodic Bronze



696 (US4)
Satin Brass (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.

Features

- 6 Additional Spring Settings that Provide 17% More Adjustment Capability to Find that Sweet Spot for Optimal Door Closing Action.

Typical Applications

- Aluminum Storefronts
- Government Facilities
- Higher Education
- Hospitality
- Houses of Worship
- Interior Office Doors
- Multi-family Offices
- Retail

How to Order

| SERIES | SIZE | OPTIONS | ACCESSORIES |
|--|--|--|--|
| 51 -5100 Series Door Closer | 1 - Adjustable Size 1-6 | DS - Door Saver Arm DSHO - Door Saver Hold Open Arm ⁵ EDA - Extra Duty Arm ² EDA HO - Extra Duty Arm Hold Open ^{2,3} HO - Hold Open, Tri-Pack ³ PA - Tri-Pack (standard) SCS - Spring Cushion Stop SCSHO - Spring Cushion Stop TA - Track Arm ³ TAHO - Track Arm Hold Open ³ PS - Pivot Stop Arm | Blank - SNB & Full Plastic Cover (Standard) DBPA - Parallel Arm Drop Bracket BP - Back Plate BS - Blade Stop Spacer BPTJ - Top Jamb Back Plate DPTJ - Top Jamb Drop Plate DPPA - Parallel Arm Drop Plate FCM - Full Metal Cover NFB - Narrow Frame Bracket SDST - Self Drilling Self Tapping Screws |
| 51 0 | 1 BC | PA 689 | BP |
| 0 - Non-Delayed Action 4 - Delayed Action (In Addition To Backcheck) | BC - Adjustable Hydraulic Backcheck (Standard) | 605 - Polished Brass 625 - Polished Chrome 689 - Aluminum 695 - Duro Bronze 696 - Gold | |
| DELAYED ACTION | BACKCHECK | FINISH | |

Ordering Example: 5101 BCPA 689 NOTES: 1 - Case quantity is 6 / Case weight is 50 lbs.
2 - Requires separate limiting stop by others.
3 - Not appropriate for use on fire labeled doors

Size Selector

| APPLICATION | CLOSER SIZE | INTERIOR | EXTERIOR |
|--------------------|-------------|----------|----------|
| Regular / Top Jamb | 1 | 30" | — |
| | 2 | 34" | 26" |
| | 3 | 38" | 30" |
| | 4 | 48" | 36" |
| | 5 | 54" | 42" |
| | 6 | 60" | 48" |
| Parallel Arm | 1 | — | — |
| | 2 | 30" | — |
| | 3 | 34" | 26" |
| | 4 | 38" | 30" |
| | 5 | 48" | 36" |
| | 6 | 54" | 42" |

Note: 5100 Series Closer sizes may vary due to site conditions.

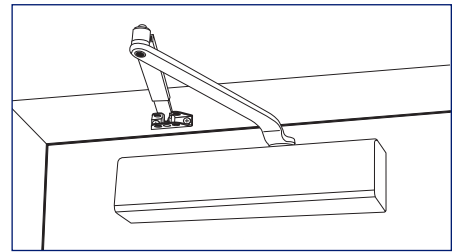
Cross Reference

| MANUFACTURER | PDQ | CAL ROYAL® | CORBIN/RUSSWIN® | DORMA | DOR-O-MATIC® | HAGER® | LCN® | NORTON/YALE® | SARGENT® | STANLEY® |
|---------------------------------|------|------------|-----------------|-----------|--------------|--------|------|--------------|-----------|----------|
| SERIES | 5100 | 900 | N/A | 7414/7436 | SC60/SC61 | 5200 | 1370 | 160/51 | 1130/1131 | N/A |
| MOUNTING HOLE PATTERN RETRO-FIT | YES | YES | NO | NO | NO | YES | NO | 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.

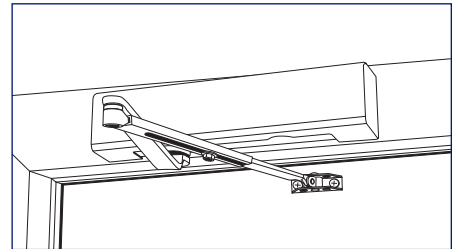
Regular Arm (RA)

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 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.



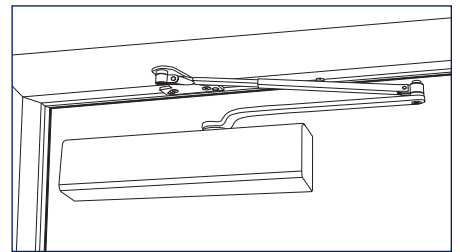
Top Jamb Mount

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.



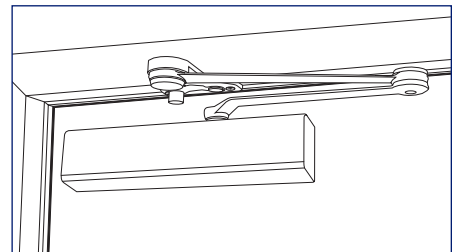
Parallel Arm (PA)

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.



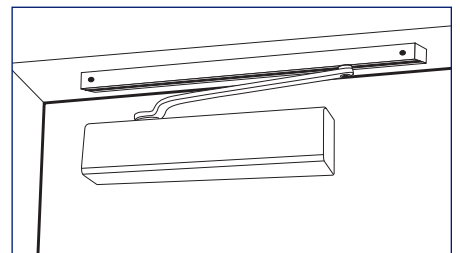
Parallel Stop Arm (DS/DSHO) Extra Duty PA Arm (EDA/EDAHO)

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.



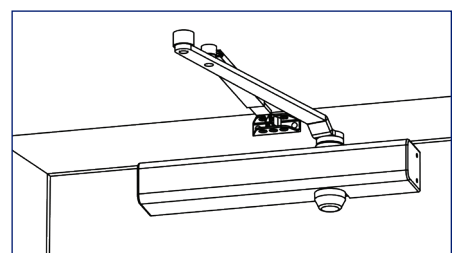
 **Recommend using the SCS Spring Cushion Stop for moderate to high abuse installations.**

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)

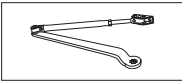
The non-handed Track Arm mount incorporates a single stamped arm not designed to be used as a limiting dead stop. Its low profile helps to eliminate projecting arm conditions, which can reduce vandal damage.



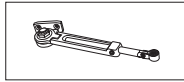
Pivot Stop Arm (PS)

The PS (Pivot Stop) arm is designed to serve as a medium-duty door stop for situations where a door stop or overhead stop is not practical. Available in Regular and Top Jamb mounting, the PS arm uses backcheck to slow the door and a stop integrated into the closer arm to limit the travel of the door. The PS arm limits the travel of the door to a specific, templated angle. Templating is available for opening angles from 85 to 110 degrees in 5 degree increments. The PS arm is not available with hold-open.

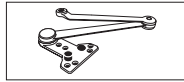
Parts



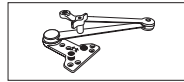
RA - REGULAR ARM
— Can be mounted REG/TJ/PA (requires PA bracket)
PART NO.:



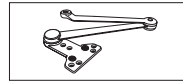
HO - HOLD OPEN ARM - HO — Can be mounted REG/TJ/PA (requires PA bracket)
PART NO.: 999002



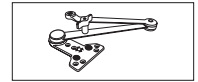
DS - DOOR SAVER (LIMITING STOP) ARM — PA application only
PART NO.: 999005



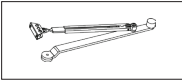
DSHO - DOOR SAVER (LIMITING STOP) HOLD OPEN — PA application only
PART NO.: 999016



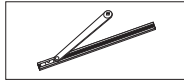
EDA - EXTRA DUTY ARM — PA application only
PART NO.:



EDA HO - EXTRA DUTY ARM HOLD OPEN — PA application only
PART NO.:

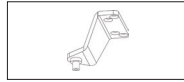


PS - PIVOT STOP — Regular and Top Jamb Mounting Only
PART NO.: 999018

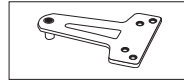


TA - TRACK ARM ASSEMBLY
PART NO.: 999025

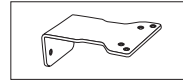
TAHO - TRACK ARM HOLD OPEN
PART NO.: 999027



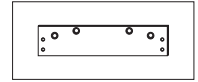
DBPA - PARALLEL ARM DROP BRACKET — PA application only
PART NO.:



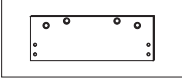
DBPA - PARALLEL ARM BRACKET — PA Non-hold open applications
PART NO.:



PAHO - PARALLEL ARM HO BRACKET — Hold open applications
PART NO.: 999022



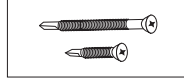
BP - BACK PLATE — For regular arm applications to clear mortised stop/holders or for TJ with limited ceiling clearance
PART NO.:



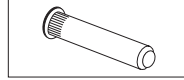
DPTJ - TOP JAMB DROP PLATE — Provides greater drop than BP to provide clearance for surface applied stop/holder, also required for PA applications
PART NO.:



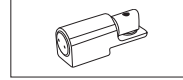
NFB - NARROW FRAME BRACKET — For use w/DS/DSHO/SCS arms & BS spacer for added reinforcement with narrow frame applications
PART NO.: 999011



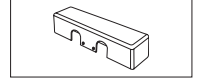
SDST - SELF DRILLING SELF TAPPING SCREWS
PART NO.: 999007



SNB - SEX NUTS AND BOLTS — For through bolting on unreinforced, hollow core, composite or labeled fire doors, 1-3/4" only
PART NO.: 999004

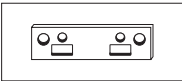


SCS - SPRING CUSHION STOP — For use w/DS/DSHO (PA mount) arms only
PART NO.:
SCS-1 PART NO.: 999032
SCS-2 PART NO.: 999033



FC - FULL PLASTIC COVER
PART NO.:

FMC - FULL METAL COVER (OPTIONAL)
PART NO.:



BS - BLADE STOP SPACER — Shims all PA brackets to clear 1/2" blade stop
PART NO.: 999026

ANSI Functions to PDQ Models

ANSI FUNCTIONS

| ANSI NUMBER | MOUNTING | PDQ MODEL | PT-4A | PT-4C | PT-4D | PT-4E | PT-4G | PT-4H | PT-4E | PT-4G |
|-------------|----------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|
| C02011 | HINGE SIDE | 5101BCPA | X | | X | X | X | | | X |
| | | 5141BCPA | X | | X | X | X | X | | X |
| C02021 | PARALLEL | 5101BCPA | X | | X | X | X | | | X |
| | | 5141BCPA | X | | X | X | X | X | | X |
| | | 5101BCDS | X | | X | X | X | | X | X |
| C02041 | TOP JAMB | 5141BCDS | X | | X | X | X | X | | X |
| | | 5101BCPA | X | | X | X | X | | | X |
| C02051 | HINGE SIDE HOLD OPEN | 5141BCPA | X | | X | X | X | | | X |
| | | 5101BCHO | X | | X | X | X | X | | X |
| C02061 | PARALLEL HOLD OPEN | 5101BCHO | X | | X | X | X | | | X |
| | | 5141BCHO | X | | X | X | X | X | | X |
| | | 5101BCDSHO | X | | X | X | X | | X | X |
| | | 5141BCDSHO | X | | X | X | X | X | X | |
| C02081 | TOP JAMB HOLD OPEN | 5101BCHO | X | | X | X | X | | | X |
| | | 5141BCHO | X | | X | X | X | X | | X |
| C02211 | HINGE SIDE TRACK | 5101BCTA | X | | X | X | X | | | X |
| | | 5141BCTA | X | | X | X | X | X | | X |
| C02221 | HINGE SIDE HOLD OPEN TRACK | 5101BCTAHO | X | | X | X | X | | | X |
| | | 5141BCTAHO | X | | X | X | X | X | | X |
| C03011 | HINGE SIDE | 5101BCPA | X | | X | X | X | | | X |
| | | 5141BCPA | X | | X | X | X | | | X |
| | | 5101BCPA | X | | X | X | X | | | X |
| C03021 | PARALLEL | 5141BCPA | X | | X | X | X | X | | X |
| | | 5101BCDS | X | | X | X | X | | X | X |
| | | 5141BCDS | X | | X | X | X | X | X | |
| C03041 | TOP JAMB | 5101BCPA | X | | X | X | X | | | X |
| | | 5141BCPA | X | | X | X | X | | | X |
| C03051 | HINGE SIDE HOLD OPEN | 5141BCPA | X | | X | X | X | X | | X |
| | | 5101BCHO | X | | X | X | X | | | X |
| C03061 | PARALLEL HOLD OPEN | 5141BCHO | X | | X | X | X | X | | X |
| | | 5101BCHO | X | | X | X | X | | | X |
| | | 5141BCHO | X | | X | X | X | X | | X |
| C03081 | TOP JAMB HOLD OPEN | 5101BCDSHO | X | | X | X | X | | X | X |
| | | 5141BCDSHO | X | | X | X | X | X | X | |
| C03081 | TOP JAMB HOLD OPEN | 5101BCHO | X | | X | X | X | | | X |
| | | 5141BCHO | X | | X | X | X | X | | X |
| C03211 | HINGE SIDE TRACK | 5101BCTA | X | | X | X | X | | | X |
| | | 5141BCTA | X | | X | X | X | X | | X |
| C03221 | HINGE SIDE TRACK HOLD OPEN | 5101BCTAHO | X | | X | X | X | | | X |
| | | 5141BCTAHO | X | | X | X | X | X | | X |

Suggested Architectural Specifications

All door closers shall be PDQ Industries, Inc. 5100 Series with full rack and pinion construction, heavy duty cast aluminum closer body, stamped flat style arm assembly and full architectural cover. Hydraulic control shall be through separate hex-key non-critical sweep, latch and backcheck adjustment. Optional delayed action 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 or metal doors and frames. Sex nuts and bolts shall be furnished standard. Spring adjustment to be provided throughout a range of sizes 1-6. All products carry a 25-year manufacturer's limited warranty. Closers shall be UL 10C listed for positive pressure and certified to ANSI/BHMA A156.4-2006 Grade 1.



SECURING
CONFIDENCE
OPENING
POSSIBILITIES

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