### Stated 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 backcheck 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.

### Parts

- **SDST** - Self Drilling Self Tapping Screws
- **SNB** - Sex Nuts and Bolts
- **BS** - Blade Stop Spacer
- **PA** - Parallel Arm Bracket — Non-hold open applications
- **PAHO** - Parallel Arm Hold Open Bracket — Hold open applications
- **BP** - Back Plate — For regular arm applications to clear mortised stop/holders or for TJ with limited ceiling clearance
- **DPTJ** - Top Jamb Drop Plate — Provides greater drop than BP to provide clearance for surface applied stop/holder, also required for PA applications
- **SCS** - Spring Cushion Stop — For use w/DS/DSHO (PA mount) arms only
- **RA** - Regular Arm — Can be mounted REG/TJ/PA (requires PA bracket)
- **HO** - Hold Open Arm — Can be mounted REG/TJ/PA (requires PA bracket)
- **DS** - Door Saver (Limiting Stop) Arm — PA application only
- **DSHO** - Door Saver (Limiting Stop) Hold Open — PA application only
- **SV** - Streamline Plastic Cover
- **PS** - Pivot Stop Arm
- **NFB** - Narrow Frame Bracket — For use w/DS/DSHO/SCS arms & BS spacer for added reinforcement with narrow frame applications

### ANSI Functions to PDQ Models

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<th>ANSI NUMBER</th>
<th>MOUNTING</th>
<th>PDQ MODELS</th>
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### ANSI Functions

- **C02011**
- **C02021**
- **C02041**
- **C02051**
- **C02061**
- **C02081**
- **C02211**
- **C02221**
- **C03011**
- **C03021**
- **C03041**
- **C03051**
- **C03061**
- **C03081**

### 3100 Series

- **3100**
  - Without Cover
  - W/ Optional Streamline Cover

### Design Office

- Milan, Italy
### Specifications

**HARDWARE**
- Non-handed
- Back angle design
- High-strength aluminum alloy
  - 6-5/16" W x 2-1/8" H - 8 lbf (58" door)

**OPERATION**
- Round style arm assembly

**ARM OPTIONS**
- Hold Open
- Hold Open, Tri-Pack (standard)
- Hold Open, Tri-Pack – Single Pack
- Hold Open, Tri-Pack – Single Pack

**FACTORY DEFAULT**
- Size 3
- Painted
- Ni-Cad

**FACTORY DEFAULT SIZE**
- Size 3
- Painted
- Ni-Cad

**FACTORY DEFAULT TIME**
- 1-4: 1-220, 1-4: 2-400

**APPLICATION**
- Door Stop
- Vertical Application

**FINISHES CUSHION STOPS**
- Bright Brass
- Dark Duranodic Bronze
- Gold
- Dark Duranodic Bronze
- Gold
- Dark Duranodic Bronze
- Gold

**PERMISSIBLE DEGRADATION TO THE DOOR**
- 3 lbf (36" door)
- 5 lbf (36" door)

**RETROFIT**
- Requires separate limiting stop by others.
- 2 - Not appropriate for use on non-hold open (DS) and hold open (DSHO) door closer mounts to the frame. Therefore, it can be a concern for projecting the closer into the corridor.

**NOTES**
- Always contact your local authorities if this application is used on a fire labeled door.

### Finishes

**Architectural**
- Bright Brass
- Dark Duranodic Bronze
- Gold

**Painted**
- Satin Stainless Steel
- Dark Duranodic Bronze
- Gold
- Satin Stainless Steel

### Spring Cushion Stops

**DESCRIPTION:**
- Spring Cushion Stop (S CS)
- Hold Open Arm
- Parallel Arm
- Spring Cushion Stop (SCS) - DS/DSHO
- Parallel Arm

**CUSHIONING DESIGN:**
- Cushioning absorber, dampening the impact forces.

**OPTIMAL DOOR CLOSING ACTION:**
- Parallel Arm
- Adjustable controlled closing

**BODY DIMENSIONS:**
- 10-5/8” W x 2-1/16” H

**COVER DIMENSIONS:**
- Streamline Plastic Cover - Optional

**PISTON:**
- Adjustable cushioning

**SPRING SIZE:**
- Parallel Arm
- DS/DSHO heavy duty parallel stop arm

**PISTON OPTIONS:**
- EDA (Extra Duty PA Arm)

**ARM OPTIONS:**
- Hold Open Arm
- Tri-Pack (standard)
- Tri-Pack – Single Pack

**OPTIONS:**
- Separate sweep, latch and backcheck intensity

**RETRO-FIT OPTIONS:**
- Narrow Frame Bracket
- Drop Plate
- Back Plate

**CROSS REFERENCE**
- Size 3
- Tri-Pack

### Finishes show are representative only. PDQ cannot guarantee that product shipped will match finishes shown.

### Warranty
- 25 - year limited warranty

### How to Order

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<td>PA</td>
<td>Bronze</td>
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### Typical Applications

- Hospitality
- Multi-Family

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**Regular Arm**
- Spring Cushion Stop for moderate to high abuse installations.
- This application is commonly used on exterior out-swinging doors and exterior swinging doors as it would put the closer on the exterior of the building. The arm assembly projects directly out from the door. That may be a concern for vandalism or aesthetics. Regular arm application can be used with non-hold open or hold open arm spans.

**Top Jamb**
- Top jamb application 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 interior out-swinging doors. It is a poor application for interior swinging doors as it would put the closer on the exterior of the building. The arm assembly projects directly out from the door. That may be a concern for vandalism or aesthetics. Top jamb application can be used with non-hold open or hold open arm spans.

**Parallel Arm**
- Parallel arm application is a push side double lever arm application. The closer is installed on the push side of the door on the same hinge leaf as the closer mount, while the arm is engaged on the other hinge leaf. Parallel arm mount is a push side double lever arm application. The closer is installed on the push side of the door on the same hinge leaf as the closer mount, while the arm is engaged on the other hinge leaf.

**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 soft stops with a parallel stop design.

---

**Stall Free Spring Setting for ADA Compliance**
- 6 Additional Spring Settings that provide 17% More Adjustment Capacity to find that street spot for optimal door closing action.
- Barrier Free Spring Settings Available on Both Regular/Top Jamb and Parallel Arm Applications.

---

**Features**

- Stall Free Spring Setting for ADA Compliance
- 6 Additional Spring Settings that provide 17% More Adjustment Capacity to find that street spot for optimal door closing action.
- Barrier Free Spring Settings Available on Both Regular/Top Jamb and Parallel Arm Applications.

**Typical Applications**
- Hospitality
- Multi-Family
**PDQ APPLICATION**

- **YES**
- **EXTERIOR**
- **LCN 1600/50**
- **PA**
- **YES**
- **BACKCHECK**
- **DORMA 1260**
- **BC – Adjustable Hydraulic**
- **300**
- **689**
- **DOR-O-**
- **FINISH**
- **YES**
- **3800**
- **NO**
- **YES**
- **5300**
- **HAGER**
- **INTERIOR**
- **3100**
- **NO**
- **SC60**
- **STANLEY**
- **D-1650**

### Architectural Finishes

- **WARRANTY:** Meets requirements of the Buy American Act and ICC/ANSI 117.1 for Accessible and Usable Buildings. This application is commonly used on exterior out-swinging doors. It is a poor application for in-swinging doors from a multi-family or field handed. The closer’s backcheck function should be a concern for vandalism or aesthetics. 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-full open hold open arm spans.

### Parallel Arm (DS/DH0) Stop Arm

The parallel arm mount is an extended version of the parallel arm application. It is similar to the parallel arm mount but incorporates a heavy duty rigid arm and soft stops with a steel stop design. The steel stop design eliminates the concerns of layering and post design. The parallel arm is primarily used when the door is too wide to be used with a regular arm as it does not project into the corridor. The arm projects out similar to a top jamb arm. The parallel arm offers a 5 lb. barrier free spring setting for ADA compliance. Refer to the SCS Spring Cushion Stop Picture for more information.

### Spring Cushion Stops

**PDQ SCS Series Spring Cushion Stop**

- **Unit reduces wear and tear on the door.**
- **Compact 9-1/2” x 3-1/2” x 3/8” mounting hole pattern.**
- **1939 (standard) – Top Jamb and Parallel Arm.**
- **1951 (extra duty) – Top Jamb and Parallel Arm.**
- **40A – Tri-Pack (standard) – Top Jamb and Parallel Arm.**
- **40B (extra duty) – Top Jamb and Parallel Arm.**
- **10-5/8" W x 2-1/16" H**
- **Streamline plastic cover optional**
- **Common 9-1/16" x 3/4" mounting hole pattern**
- **20% less force requirements**
- **10 Additional Spring Settings that Provide 17% More Adjustment Capacity to Find that Sweet Spot for Optimal Door Closing Action.**
- **Features**
  - 6 Additional Spring Settings that Provide 17% More Adjustment Capacity to Find that Sweet Spot for Optimal Door Closing Action.
  - Barrier Free Spring Settings Available on Both Regular/Top Jamb and Parallel Arm Applications.
  - **Typical Applications**
    - **Hospitality**
    - **Multi-Family**

### How to Order

<table>
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<tr>
<th>SERIES</th>
<th>APPLICATION</th>
<th>FINISH</th>
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<tbody>
<tr>
<td>31 – 3100 Series Door Closer</td>
<td>BC – Adjustable Hydraul./Backcheck (Standard)</td>
<td>689 – Aluminum</td>
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### 2-sided Barrier Free Spring Setting for ADA Compliance

**Features**

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

### Typical Applications

- **Hospitality**
- **Multi-Family**

### OPTIONS

- **630 STAINLESS STEEL**
- **695 DARK DURANODIC BRONZE**
- **696 GOLD**

### Size Selector

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>CLOSER SIZE</th>
<th>INTERIOR</th>
<th>EXTERIOR</th>
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<tr>
<td>Regular / Top Jamb</td>
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<td>Parallel Arm</td>
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### Finishes

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<tr>
<td>605 (US3) Bright Brass</td>
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<tr>
<td>630 (US320) Satin Stainless Steel</td>
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<tr>
<td>695 (US48) Dark Duranodic Bronze</td>
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</table>

Finishes shown are representative only. PDQ cannot guarantee that product shipped will match finishes shown at their discretion due to material variations.
**Specifications**

**HANDING:**
- Non-handed

**OPERATION:**
- Back arm design

**BODY SIZE:**
- High strength aluminum alloy
- 9-5/16” W x 4-7/8” H

**ARM OPTIONS:**
- Full Size (See Size Order Guide)
- Half Size (See Half Size Order Guide)
- Door Size (See Door Size Order Guide)

**FACTORY DEFAULT SPRING SIZE:**
- Size 2

**FACTORY DEFAULT SPRING SIZE (H):**
- Size 3

**ADJUSTMENT:**
- Adjustable controlled closing
- Separate hydraulic backcheck and standard size 50 spring

**SIZE:**
- Adjustable spring size (BF - 6 for 4-6 size with non-hold open or hold open arms).

**MOUNTING:**
- Catches 9-5/8” W x 3-1/4” H, 4-3/4” profile

**COVER:**
- Satin Stainless Steel

**CUSHIONING FEATURE:**

**WARRANTY:**
- 5 years

---

**Features**

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

**How to Order**

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<th>SERIES</th>
<th>APPLICATION</th>
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<td>SC - Adjustable Hydraulic Backcheck (Standard)</td>
<td>689 - Aluminum</td>
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<td>31 - 00</td>
<td>BC - Door Stop</td>
<td>696 - Gold</td>
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<td>696</td>
<td>PA - Tri-Pack (standard)</td>
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**Typical Applications**

- Hospitality
- Multi-Family

---

**Finishes**

**Architectural**
- 605 (US3) Bright Brass
- 615 (US10B) Oil Rubbed Bronze
- 630 (US32D) Satin Stainless Steel
- 689 (US28) Dark Duro Bronze
- 686 (US46) Satin Brass (Gold)

**Painted**
- 605 (US3) Bright Brass
- 615 (US10B) Oil Rubbed Bronze
- 630 (US32D) Satin Stainless Steel
- 689 (US28) Dark Duro Bronze
- 686 (US46) Satin Brass (Gold)

---

**Spring Cushion Stops**

**PDQ SCS Series Spring Cushion Stop helps reduce wear and tear on the floor by stopping the door before it reaches its maximum opening angle, thus acting as a shock absorber, damping the impact forces.**

**Size Selector**

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<th>APPLICATION</th>
<th>CLOSER SIZE</th>
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<th>EXTERIOR</th>
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**Parallel Arm**

The parallel arm mount is an enhanced version of the parallel arm application. It is similar to the parallel arm mount but incorporates a heavy duty rigam and soft pad with spring stop design. The soft stop pad feature helps 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 multiple finishes and can be ordered with (2DS4D) applications. For (2DS4A Extra Duty PA Arm) applications remove stop from finish table.

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

---

**Regular Arm**

Regular arm mount is a push side double lever arm application that offers the best alternative to regular arm mounts. 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. Parallel arm mount is an enhanced version of the parallel arm application. It is similar to the parallel arm mount but incorporates a heavy duty rigam and soft pad with spring stop design. The soft stop pad feature helps 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 multiple finishes and can be ordered with (2DS4D) applications. For (2DS4A Extra Duty PA Arm) applications remove stop from finish table. This closer is used for in-swing doors from a corridor.
Suggested Architectural Specifications

- All closer parts shall be 1/4" thick and precision stamped. Cast aluminum closer body, round style arm assembly and optional streamline cover. Includes, contact shall be through separate noncritical sweep, latch and backcheck valve adjustments. Closers shall be non-hold open applications

Parts

- All parts shall be zinc die cast, powder coated in neutral colors, and be included with the PDQ closer body.

- 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

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

- PA - PARALLEL ARM BRACKET — Non-hold open applications
- PART NO.: 999001

- 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.: 319008

- 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.: 319009

- 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

- RA - REGULAR ARM — Can be mounted REG/TJ/PA (requires PA bracket)
- Part No.: 319003

- HO - HOLD OPEN ARM — 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

- SV - STREAMLINE PLASTIC COVER
- PART NO.: 319006

- PS - PIVOT STOP ARM
- 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

ANSI Functions to PDQ Models

- ANSI Functions to PDQ Models

ANSI Functions

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<th>ANSI NUMBER</th>
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PDQ 3100 SERIES

Light Commercial Closer

Grade 1
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 backcheck 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.

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

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

PA - PARALLEL ARM BRACKET — Non-hold open applications
PART NO.: 999001

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.: 319008

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.: 319009

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

RA - REGULAR ARM — Can be mounted REG/TJ/PA (requires PA bracket)
PART NO.: 319003

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

SV - STREAMLINE PLASTIC COVER
PART NO.: 319006

PS - PIVOT STOP ARM
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

ANSI Functions to PDQ Models

<table>
<thead>
<tr>
<th>ANSI NUMBER</th>
<th>MOUNTING</th>
<th>PDQ MODEL</th>
<th>ANSI FUNCTION</th>
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<td>3100BCPA</td>
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PDQ Light Commercial Closer

Grade 1