PARTS

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.: 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

TA - TRACK ARM ASSEMBLY
PART NO.: 999025

TAHO - TRACK ARM HOLD OPEN
PART NO.: 999027

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

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<th>ANSI NUMBER</th>
<th>MOUNTING</th>
<th>PDQ MODEL</th>
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3100 SERIES
Light Commercial Closer
Grade 1
**Specifications**

- **Handling**: Non-handed
- **Operation**: Back and in-pinion design
- **Body Dimensions**: High strength aluminum alloy
- **Body Dimensions**: 9-1/2" x 2-7/8" x 2-5/8"
- **Arm**: Round style arm assembly
- **Arm Options**: Child-Safe Arm, Double Backcheck, Quick-Set (KQ Tru-Set in cattle), DIA (Dura-Duty PA Arm), CTA (Corrosion-Resistant PA Arm)
- **See Notice to Order Guide**
- **Add Heavy Duty Parallel Stop Arm**
- **Add Cushion Stop for DS/DSDH, SCS Series Spring Cushion Stop**

**Factory Default**

**Spring Size**: 1-4

**Piston**: Spring Cushion Stop for DS/DSHO

**Spring Size**: 3-6

**Adjustment**: EDA (Extra Duty PA Arm)

**Body Dimensions**:

- **Body**: Adjustable spring size
- **Body**: Adjustable controlled closing
- **Body**: Hardened Steel
- **Body**: Size 2
- **Body**: Round style arm assembly
- **Body**: High strength aluminum alloy
- **Body**: Rack and pinion design
- **Body**: Non-handed

**Architectural Finishes**

- **Bright Brass**: 605 (US3), 613 (US10B)
- **Oil Rubbed Bronze**: 689 (US28)
- **Satin Stainless Steel**: 695 (US32D), 696 – Gold

**Usable Buildings Act**

- **Compliance**: Meets requirements of the Buy American Act and ICC/ANSI 117.1 for Accessible and Usable Buildings

**Compliance**

- **Certifications/Listings**: Meets requirements of the Buy American Act
- **Listings**: Compliant with ADA/american Disabilities Act and ICC/ANSI 117 for Accessible and Usable Buildings

**Warranty**

- **Two-Year**: Limited warranty

**Architectural Finishes**

- **Bright Brass**: 605 (US3), 613 (US10B)
- **Oil Rubbed Bronze**: 630 (US32D)
- **Satin Stainless Steel**: 605 BRIGHT (US3), 605 SATIN (US3)
- **Dark Duranodic Bronze**: 689 – Aluminum, 695 – Dark Duranodic Bronze

**Painted Finishes**

- **Satin Stainless Steel**: 630 (US32D)
- **Dark Duranodic Bronze**: 696 – Gold

**Notes**

- 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
- Hospitality
- Multi-Family

### HOW TO ORDER

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<tr>
<th>SERIES</th>
<th>APPLICATION</th>
<th>FINISH</th>
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<td>BC - Adjustable Hydraulic Backcheck (standard)</td>
<td>689 - Aluminum</td>
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### SIZE SELECTOR

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<td>3102</td>
<td>1 lbf (36&quot; door)</td>
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*FINISHES SHOWN ARE REPRESENTATIVE ONLY. PDQ CANNOT GUARANTEE THAT PRODUCT SHIPPED WILL MATCH FINISHES SHOWN.*

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

**BEFORE DOOR IS FULLY OPENED**

**STOP SHOWN**

**RETRO-FIT**

**NOTE:** 3100 Series Closers can be adjusted to meet ADA barrier free applications. Strict compliance with ADA barrier free requirements suitability should be determined by a professional architectural hardware consultant.

**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 rated doors.**

**MOUNTING**

- Self drilling self tapping screws available
- Includes fasteners for metal and wood doors
- Tri-packed for regular, top jamb and parallel applications

**OPERATION**

- Rack and pinion design
- Non-handed
- ANSI/UL 10C listed for labeled swinging fire doors rated for up to and including 3 hours.
- Twenty-Five (25) year limited warranty

**SPECIFICATIONS**

- ANSI/BHMA A156.4-2006 Grade 1
- UL 228 listed
- UL 220 listed

**FINISHES**

- Oil Rubbed Bronze
- Satin Stainless Steel
- Satin Brass
- Satin Nickel
- Polished Brass
- Polished Chrome

**FINISHES**

- 613 (US10B)
- 630 (US32D)
- 630 (US30D)
- 695 (N/A)
- 696 (US4)

**SIZES**

- Size 3
- Size 4
- Size 5
- Size 6

**ADJUSTMENTS**

- Separate sweep, latch and backcheck intensity
- Separate hydraulic backcheck standard

**SPRING SIZE, 3-6**

- FACTORY DEFAULT

**PISTON**

- Spring Cushion Stop for DS/DSHO
- Track/Hold Open Arm

**ARM**

- Round style arm assembly
- 9-13/16" W x 2-11/16" H
- Rack and pinion design
- Non-handed

**BODY DIMENSIONS**

- 10-5/8" W x 2-1/16" H
- 9-13/16" W x 2-11/16" H

**INTERIOR**

- 28" H

**INTERIOR**

- 28" H

**EXTERIOR**

- 32" H

**EXTERIOR**

- 32" H

**EXTERIOR**

- 36" H

**EXTERIOR**

- 36" H

**EXTERIOR**

- 42" H

**EXTERIOR**

- 48" H

**EXTERIOR**

- 54" H

**EXTERIOR**

- 60" H

**EXTERIOR**

- 60" H

**EXTERIOR**

- 66" H

**EXTERIOR**

- 66" H

**EXTERIOR**

- 72" H

**EXTERIOR**

- 72" H

**EXTERIOR**

- 78" H

**EXTERIOR**

- 78" H

**EXTERIOR**

- 96" H

**EXTERIOR**

- 96" H

**EXTERIOR**

- 120" H

**EXTERIOR**

- 120" H

**EXTERIOR**

- 144" H

**EXTERIOR**

- 144" H

**EXTERIOR**

- 180" H

**EXTERIOR**

- 180" H

**EXTERIOR**

- 216" H

**EXTERIOR**

- 216" H

**EXTERIOR**

- 252" H

**EXTERIOR**

- 252" H

**EXTERIOR**

- 300" H

**EXTERIOR**

- 300" H
### 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-swinging doors from corridors or other interior doors. Regular arm mount is a superior choice for exterior doors and applications where the closer mounts a considerable distance away from the opening 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 pull-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 security viewpoint due to the closer arm projecting into the corridor. This 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 closer arm is mounted to the frame. The closer is mounted to the frame and the parallel arm is mounted to the frame. The parallel arm is an adapter plate installed to the frame surface. 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 softfit pass with spring dead stop. The deadstop feature is industry leading with an adjustable design that allows the closer to 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 ADA (Extra Duty PA Arm) applications, remove stop from softfit bracket.

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

### Track Arm (TA)

The track mounted arm incorporates a single forged main arm for installation in high use, high abuse door applications. It's low profile helps prevent damage.
**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 Barifier 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
- **PAHO** - Parallel Arm Hold Open Bracket
- **BP** - Back Plate
- **BP** - Top Jamb Drop Plate
- **SCS** - Spring Cushion Stop
- **SV** - Streamline Plastic Cover
- **TA** - Track Arm Assembly
- **TAHO** - Track Arm Hold Open
- **NFB** - Narrow Frame Bracket

**Part Numbers**

- SDST - 999007
- SNB - 999004
- BS - 999026
- PA - 999001
- PAHO - 999022
- BP - 319008
- BP - 319009
- SCS - 999032
- SV - 319006
- TA - 999025
- TAHO - 999027
- NFB - 999011

**Ansi Functions to PDQ Models**

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<th>ANSI Number</th>
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**Specs**

- **PT-4A**
- **PT-4C**
- **PT-4D**
- **PT-4E**
- **PT-4G**
- **PT-4H**
PARTS

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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

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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

TA - TRACK ARM ASSEMBLY

PART NO.: 999025

TAHO - TRACK ARM HOLD OPEN

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PART NO.: 999011

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C03211 Track Arm

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3101BCTAHO | X | X | X | X | X |

Spring Cushion Stop

3100 w/ Optional Streamline Cover

3100 Without Cover

3100 SERIES

Light Commercial Closer

Grade 1