**MATERIAL:** Extruded 6063 T6 aluminum alloy with self-lubricating polyester thrust bearings.

**LENGTHS:** 83", 85", 95" and 120" lengths standard for nominal door heights. Custom lengths are available.

**LOAD/FREQUENCY RATINGS:** For 1-3/4" doors.
- **Standard Duty** — Tested per BHMA standards for medium-frequency doors up to 200 lb. without frame or door reinforcement.
- **Heavy Duty** — Tested per BHMA standards. Up to 200 lb. doors (high-frequency) and up to 400 lb. doors (medium-frequency) without frame or door reinforcement; up to 600 lb. doors (low-frequency) with the use of Rivnuts in the frame and door.
- **Heavy Duty (LL)** — Our HD hinge with additional fastener holes for low-frequency doors up to 1,000 lb., including most lead-lined doors. Rivnuts are recommended in the frame and door on extremely tall, extremely heavy or wide doors.

**FINISHES:** All SL11 hinges are stocked in Clear, Dark Bronze and Black anodized aluminum. Custom anodized or painted finishes are available. Product painted or anodized in the field voids the SELECT hinge warranty.

**CLOSERS:** Conventional overhead surface, concealed sliding arm overhead or floor closers may be used with SELECT hinges. Pivot-type floor closers (with a fixed, conflicting center pivot) must be replaced.

**ORDER:** Specify length, finish and standard duty (SD), heavy duty (HD) or heavy duty with additional fastener holes (LL). Also, specify door and frame screw applications. 12-24 x 3/4" self-drilling, thread-forming 410SS Phillips undercut flathead screws are provided as a standard pack unless otherwise specified. Wood and thread-forming screws also available. Security screws optional at extra cost.

**AVAILABLE ELECTRIC PREPS:** EPT, ATW, EMS, CTW4, CTW5, CTW8, CTW10, CTW12, CMG, AP and RP. For CTW12 prep, please consult factory for engineering approval.

**BHMA CERTIFICATION:** SL11SD, SL11HD and SL11LL geared continuous hinges conform to BHMA Standard ANSI/BHMA A156.26-2006 Grade 1.

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**SL11 HINGE SCREW COUNT**

<table>
<thead>
<tr>
<th>HINGE LENGTH &amp; DUTY RATING</th>
<th>DOOR SCREWS</th>
<th>FRAME SCREWS</th>
</tr>
</thead>
<tbody>
<tr>
<td>79&quot; HD</td>
<td>19</td>
<td>19</td>
</tr>
<tr>
<td>83&quot; SD/HD</td>
<td>19</td>
<td>19</td>
</tr>
<tr>
<td>85&quot; SD/HD</td>
<td>19</td>
<td>19</td>
</tr>
<tr>
<td>95&quot; SD/HD</td>
<td>21</td>
<td>21</td>
</tr>
<tr>
<td>120&quot; SD/HD</td>
<td>23</td>
<td>23</td>
</tr>
<tr>
<td>83&quot; LL</td>
<td>26</td>
<td>26</td>
</tr>
<tr>
<td>85&quot; LL</td>
<td>26</td>
<td>26</td>
</tr>
<tr>
<td>95&quot; LL</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>120&quot; LL</td>
<td>34</td>
<td>34</td>
</tr>
</tbody>
</table>
SELECT Advantages

PAIR-MATCHED™ HINGE LEAVES
Manufactured together, machined together and anodized together, making SELECT hinges fit your doors better and last longer. An exclusive SELECT benefit.

LIFETIME LUBRICATION

ANODIZED AFTER MACHINING
Delivers superior wear, durability and life. Inhibits corrosion. Few hinge makers follow SELECT's lead in using this superior manufacturing process.

MEETS LEED REQUIREMENTS
Made from recycled aluminum. Reduces environmental impact and qualifies for LEED points. An exclusive SELECT benefit.

PATENTED 3-HR. FIRE RATING
Most SELECT hinges are fire rated for 90 minutes. 3-Hr. fire rating, optional at extra cost, approved for positive/negative pressure. No fire pins or studs required. Patented design innovation. An exclusive SELECT benefit.

CONSISTENT TEMPLATING
Hole pattern is identical on both Standard and Heavy Duty models, so SELECT hinges line up precisely for easier and faster installation. An exclusive SELECT benefit.

COATED FASTENERS
Provide additional corrosion protection with either self-drilling, thread-forming (SDTF) or thread-forming (TF) screws. An exclusive SELECT benefit.

CUSTOM COLORS
Match any paint color on the gear cap or the entire hinge and fasteners, including our always-in-stock Bone White gear caps. Anodized colors also available.

SELECT Hinge Performance

- A SELECT geared continuous hinge has been tested in accordance with ANSI 250.4-1994 test procedure and acceptance criteria for physical endurance for steel doors and hardware and has surpassed 25,000,000 cycles during testing by an independent laboratory. On a door cycling 400,000 times per year, a SELECT hinge will be performing for over 62 years.

- SELECT geared continuous hinges are built to handle abuse from high-traffic applications. They are applied to the surface on the edge of the frame and door. No machining or reinforcement is required.

- The revolutionary SELECT geared continuous hinge puts an end to costly and irritating hinge failure problems, the most common cause of entrance failure.

- On conventional hinges, opening and “kick-back” energy concentrate on a few inches of fastened reinforcing plate — with the top hinge handling 100% of the force. Pinless SELECT hinges bond the door and frame into an integrated, sag-free unit. “Kick-back” energy dissipates along the entire length of the door and frame. (Compare this to a conventional hinge’s 4-1/2” to 5” at the top of the door and frame).

- SELECT geared continuous hinges eliminate the gap between the door and frame, providing a weatherproof, rust-proof, tamper-proof barrier. When the door is closed, there are no accessible screws, bolts or pins.

- SELECT SL11 geared continuous hinges are listed and tested by Underwriters Laboratories to meet the Positive and Negative pressure requirements of UL10B and UL10C, and are in accordance with UBC 7.2 (1997). SELECT SL11 geared continuous hinges are for use on swinging single fire doors (max. door opening of 4’x10’) or pairs of fire doors (max. door opening of 8’x10’), including double egress, installed in masonry or drywall. SELECT SL11 geared continuous hinges are rated for up to 1-1/2 hours for wood composite and wood core type fire doors. A special patented process can be added to increase the fire rating to 3 hours (NO FIRE PINS OR STUDS REQUIRED) for hollow metal or steel covered composite type doors.
SERIES M9900 - EXIT DEVICE

**Rim Mount**

<table>
<thead>
<tr>
<th>MARKS #</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9900</td>
<td>Rim Panic</td>
</tr>
<tr>
<td>M9900F</td>
<td>Fire Rated Rim Panic</td>
</tr>
<tr>
<td>M9900 - 48</td>
<td>Rim Panic - 48&quot;</td>
</tr>
<tr>
<td>M9900F - 48</td>
<td>Fire Rated Rim Panic - 48&quot;</td>
</tr>
</tbody>
</table>

**FUNCTION**

- **M9900 Rim Panic**
- **M9900F Fire Rated Rim Panic**
- **M9900 - 48 Rim Panic - 48"**
- **M9900F - 48 Fire Rated Rim Panic - 48"**

**OPTIONS**

- **M9900** 33" LENGTH FOR 36" DOOR
- **M9900 - 48"** 42" LENGTH FOR 48" DOOR

**SPECIFICATIONS**

- **Doors:** 1-3/4" thick standard.
- **End cover:** Flush mounted beveled “Panic Protector” design.
- **Strike:** Roller strike.
- **Rail Assembly:** Extruded Aluminum, 32D finish.
- **Dead latch Bolt:** Stainless Steel 3/4" throw.
- **Dead latch Bolt:** Stainless Steel 5/8".
- **Dogging feature:** Allen Key (M9900)
- **UL listed:** For “Panic Hardware” and Fire Rated Model 3 hour fire doors up to 38” x 86”.
- **ANSI:** ANSI 156.3 (2001), requirements for Grade 1.
- **3 Hour Fire Rating**
- **Finish:** 32D

**EXTRUSION HEAVY GAGE, 32D FINISH**

- **PANIC PROTECTOR™ END CAP**
- **LIFETIME MECHANICAL WARRANTY**
- **EASY INSTALLATION, ECONOMICAL**

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**SERIES M9900 VR - EXIT DEVICE**

**Surface Vertical Rod**

<table>
<thead>
<tr>
<th>MARKS #</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>M9900 VR</td>
<td>Rim Panic Vertical Rod</td>
</tr>
<tr>
<td>M9900F VR</td>
<td>Fire Rated Rim Panic Vertical Rod</td>
</tr>
<tr>
<td>M9900 - 48 VR</td>
<td>Rim Panic Vertical Rod - 48&quot;</td>
</tr>
<tr>
<td>M9900F - 48 VR</td>
<td>Fire Rated Rim Panic Vertical Rod - 48&quot;</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Device Head Cover:** Zinc alloy or stainless steel
- **Chassis:** Steel, plated
- **Mechanism Housing:** Extruded aluminum
- **Push Bar Base:** Extruded aluminum
- **Touch Plate:** Stainless steel
- **End Cap:** Stainless steel
- **Top Latch:** Stainless steel 37/64" (14.8mm)
- **Top Strike:** Included
- **Bottom Latch:** Stainless steel 37/64" (14.8mm)
- **Bottom Strike:** Included
- **Latch Case Covers:** Steel, stainless steel or brass
- **Vertical Rods:** Aluminum tube
- **Hand:** Non-handed
- **Mounting:** Machine screws standard. Sex bolts optional. Order “SNB” for wood or unreinforced metal doors
- **Dogging:** Allen-type key furnished
- **Finish:** 32D
- **Outside Trim:** Order separately
- **Standard height:** For 70” doors
- **UL Listed:** ANSI/BHMA Grade1 Panic Exit Hardware, 3-Hour Fire Rating

**APPLICATION**

- For use on single doors or pair of doors
- 1-3/4(44 mm) door thickness standard. Specify thickness other than 1-3/4"
- RHR or LHR hollow metal, wood and mineral core doors
- Minimum Stile Width : 3 1/2” (89 mm)

**32D FINISH**
6-Pin and 7-Pin Interchangeable Cores

6-PIN AND 7-PIN INTERCHANGEABLE CORES:

**STANDARD FEATURES:**

<table>
<thead>
<tr>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICS / ICT:</td>
</tr>
<tr>
<td>Solid brass construction</td>
</tr>
<tr>
<td>Accepts original pins when pinning to existing master key system</td>
</tr>
<tr>
<td>Cap style</td>
</tr>
<tr>
<td>Available 6-pin or 7-pin, Uncombined</td>
</tr>
<tr>
<td>CASE QTY: 20</td>
</tr>
</tbody>
</table>

**Interchangeable Cores**

**APPLICATIONS:**

After-market installation for replacement of a malfunctioning small format interchangeable core cylinder. Integrated into existing master key system or keyed with brand new system.

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6-Pin and 7-Pin Interchangeable Cores

How to Order - Nomenclature

**IC 6 B A 26D**

- **FINISH**
  - 26D = US26D = Satin Chrome
  - 4 = US4 = Satin Brass

- **KEYWAY (BEST COMPATIBLE)**
  - A, B, C, D, E, F, G, H, J, K, L, M, Q

- **CAP TYPE**
  - B = Barrel

- **PIN**
  - 6 = 6-Pin
  - 7 = 7-Pin

**TYPE**

IC = Small Format Interchangeable Core
# Dummy Cylinders, T-Turns, and IC Mortise and Rim Housings

## Dummy Cylinders

**Standard Features:**
- **MC-IC / RC-IC:**
  - Compatible with cores from Arrow®, Best®, Falcon®, and KSP®
  - Removable cam design allows changing of cams (cams available separately)
  - Mortise / Rim housings feature solid brass construction
  - Straight and tapered mortise housings available

**MC-DC / MC-TT:**
- Solid brass construction
- 4 lengths (5/16", 1", 1-1/8", 1-1/4")

**Case Qty:** 10

**Applications:**
After-market replacement.

## Thumb-Turn Cylinders

**IC Mortise Housing**

**IC Rim Housing**

---

**GENERAL LOCK**

Quality & Value™

C:4 — Product Guide 105.0 —
Dummy Cylinders, T-Turns, and IC Mortise and Rim Housings
How to Order - Nomenclature

Dummy Cylinders and T-Turns

MC 118 TT 10B ST

CAM STYLE
ST = Standard
AR = Adams Rite

FINISH
3 = US3 = Bright Brass
10B = US10B = Dark Bronze
26D = US26D = Satin Chrome

TYPE
MC = Mortise Cylinder
RC6 = Rim Cylinder

SIZE
100 = 1" 
1516 = 15/16"
118 = 1-1/8"
114 = 1-1/4"

TYPE
TT = Thumb-Turn
DC = Dummy Cylinder

IC Mortise and Rim Housings

MC-IC 6 AR 10B

FINISH
3 = US3 = Bright Brass
10B = US10B = Dark Bronze
26D = US26D = Satin Chrome

CAM / TAILPIECE STYLE
ST = Standard
AR = Adams Rite
CL = Corbin
SA = Sargent
SL = Schlage
LZ = Lazy Motion (RC-IC 7 only)

TYPE
MC-IC = Mortise
MCT-IC = Mortise, Tapered
RC-IC = Rim

PIN
6 = 6-Pin
7 = 7-Pin
Rockwood BF157 - 90° Offset Door Pulls

Specifications:

MATERIAL:
Aluminum, Brass, Bronze, Stainless Steel

FASTENER:
1/4"-20 x 2 1/4" thru bolt & finish washer (standard 1 3/4" door)

FEATURES:
Recommended for ADA openings

OPTIONS:
- Back to back mounting in pairs — use BTB suffix and mounting type number (BF157BTB16)
- Concealed mounting single pulls — use C suffix and mounting type number (BF157C17)
- Advise if door thickness is other than 1 3/4"
- Heavy duty versions of most fastening types available — use suffix HD to fastening type number (BF157BTB16HD)

Available Finishes:
- US28/628
- 313/710
- 315/711
- Powder Coat
- US3/605
- US4/606
- US10/612
- US10B/613
- US10BE/613E
- US26/625
- US26D/626
- US32D/630
- US32/629
- US32DMS
- US32D316
- US32316

MATERIAL SIZE:
1" dia.

CTC:
10"

OVERALL:
11"

BASE:
1"

PROJECTION:
3 1/2"

CLEARANCE:
2 1/2"

OFFSET:
4"

WEIGHT:
4.3 lbs.

ANSI A156.6: J402
C9000 Series Door Closer

APPLICATIONS:

Suitable for high-traffic doors in office buildings, hospitals, schools, hotels, restaurants, nursing homes, apartments, and retail complexes. The 9000 Series surface closer has a heavy-duty cast iron body and forged steel arms, and is ideal for institutional and other heavy-use applications. The 9000 Series offers a high-quality alternative to other cast iron closers, comes in two finishes, and optional drop plates allow for installation in any situation. The C9016 comes with a 25-year warranty, one of the best in the industry. The C9016 is your best choice for high-traffic areas where rugged durability is the solution for superior door control.

STANDARD FEATURES:

| CERTIFICATIONS: | ANSI 156.4 Grade 1, UL Listed and UL 10C, Meets ADA requirements when adjusted to size 1 |
| HANDING: | Non-handed for regular top-jamb and parallel arm installations |
| ARMS: | Standard tri-packed for regular arm, top jamb and parallel arm application |
| COVERS: | Full cover standard |
| ADJUSTING: | Standard sweep, latching and backcheck valves |
| MATERIALS: | Cast iron body, forged steel arm Closer fluid non-gumming and non-freezing |
| MOUNTING HARDWARE: | Wood and machine screws, sex nuts and bolts |
| CASE QTY: | 4 |
| WARRANTY: | 25-year warranty |

ARMS AND PLATES:

| 9016-DP | Drop plate for the 9000 Series closer |
| 9016-DP PA | Parallel arm drop plate for 9000 series closer |
| 9016-H | Friction hold-open arm for the 9000 Series closer |
| 9016-MH | Mechanical hold - open arm with turn and stop for the 9000 series closer |
C9000 Series Door Closer

TECHNICAL DIMENSIONS:

<table>
<thead>
<tr>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Length of Closer Body</td>
<td>11&quot; (280 mm)</td>
</tr>
<tr>
<td>B. Horizontal Mounting Holes</td>
<td>1&quot; (25.4 mm)</td>
</tr>
<tr>
<td>C. Vertical Mounting Holes</td>
<td>2/1/4&quot; (57 mm)</td>
</tr>
<tr>
<td>D. Closer Body Height</td>
<td>2-3/4&quot; (70 mm)</td>
</tr>
<tr>
<td>E. Projection from Door</td>
<td>2&quot; (51 mm)</td>
</tr>
</tbody>
</table>

END VIEW  FRONT VIEW

SELECTION CHART:

<table>
<thead>
<tr>
<th>Maximum Size of Door</th>
<th>Regular &amp; Top Jamb</th>
<th>Parallel Arm</th>
<th>Applicable Door Weight Lbs (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Closersize</td>
<td>Interior</td>
<td>Exterior Inswing</td>
<td>Exterior Outswing</td>
</tr>
<tr>
<td>1</td>
<td>28&quot; (0.71m)</td>
<td>30' (0.76m)</td>
<td>36' (0.91m)</td>
</tr>
<tr>
<td>2</td>
<td>36&quot; (0.91m)</td>
<td>36' (0.91m)</td>
<td>42' (1.07m)</td>
</tr>
<tr>
<td>3</td>
<td>42&quot; (1.07m)</td>
<td>36' (0.91m)</td>
<td>48' (1.22m)</td>
</tr>
<tr>
<td>4</td>
<td>48&quot; (1.22m)</td>
<td>42' (1.07m)</td>
<td>54' (1.37m)</td>
</tr>
<tr>
<td>5</td>
<td>54&quot; (1.37m)</td>
<td>48' (1.22m)</td>
<td>60' (1.52m)</td>
</tr>
<tr>
<td>6</td>
<td>60&quot; (1.52m)</td>
<td>48' (1.22m)</td>
<td>60' (1.52m)</td>
</tr>
</tbody>
</table>

ARMS AND PLATES:

Drop plate for the 9000 Series closer 9C16-DP
Parallel arm drop plate for 9000 series closer 9C16-DP PA
Parallel Arm Bracket
Friction hold-open arm for the 9000 Series closer 9C16-H
Mechanical hold - open arm with turn and stop for the 9000 series closer 9016-MH
Nylon Brush Perimeter Seal or Sweep

600

Material
Aluminum alloy 6063, T5 temper
Synthetic polymer: Polyamide
Nylon brush

- Excellent abrasion resistance, flexibility and memory
- Moisture resistant
- Retains insecticides well
- Temperature range -70°F to 425°F
- BHMA Certified to ANSI/BHMA A156.22 performance tests for heat, cold, air infiltration and smoke infiltration in most common profiles as indicated by BHMA Certified symbol
- REACH and RoHS compliant
- Not effective against water penetration
- #6 x 3/4" stainless steel sheet metal screws furnished
- Screw holes slotted for adjustment

Finishes
- 600 Mill Aluminum Gray Brush
- 600A Anodized Aluminum Gray Brush
- 600B Gold Black Brush
- 600DKB Dark Bronze Black Brush

Options
- FATT - Fast Attach Tape
Saddle Threshold

**425**

**Materials & Finishes**
- Aluminum alloy 6063, T5 temper
- Mill finish
- DKB - dark bronze finish

- 5" wide x 1/2" tall
- Fluted top
- Typical wall thickness .162"
- Weight: .88 lbs./ft.
- #10 x 1-1/2" FH zinc plated wood screws included

Optional Slip Resistant SIA Finish

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Typical Wall .162

5"