Thresholds/Weatherstrip

Requirements

- Use Flat Saddle Type Thresholds (1/2” Max. Rise)
  Example: National Guard 425
- Use Ramps At Sill Conditions Where Required. Ramps To Be ADA Compliant
- Use Surface Mounted Door Sweeps
  Example: National Guard C627A, 200NA
- Use Polyurethane Bulb Type Weatherstrip
  Example: National Guard 9700A Or 127NA @ Jambs
  5050 @ Head
- Use Extended Rain Drip Mounted At Head At Openings Without Overhang
  Example: National Guard 16A
- Use Smoke Gasket/Intumescent Seal At Fire Doors
  Omit Intumescent Seal @ Category A Wood Doors and Hollow Metal Doors.
  Example: National Guard 9500 x 2525
- Install Weatherstrip Before Door Closer

Approved Manufacturers

National Guard
Pemko
Reese
National Guard Products, Inc.
E-mail: ngpinfo@ngpinc.com • www.ngpinc.com

All drawings are actual size except as noted.

412 625 lbs./ft.  Typical Wall 125
412DKB 625 lbs./ft.  Typical Wall 125

419 72 lbs./ft.  419DKB 72 lbs./ft.  Typical Wall 250

424 72 lbs./ft.  424DKB 72 lbs./ft.  Typical Wall 126

425 1.00 lbs./ft.  425DKB 1.00 lbs./ft.  Typical Wall 182

426 1.35 lbs./ft.  426DKB 1.35 lbs./ft.  Typical Wall 175

427 1.58 lbs./ft.  427DKB 1.68 lbs./ft.  Typical Wall 188

8472 1.78 lbs./ft.  8472DKB 1.78 lbs./ft.  Typical Wall 250

524 .72 lbs./ft.  524DKB .72 lbs./ft.  Typical Wall 188

525 .93 lbs./ft.  525DKB .93 lbs./ft.  Typical Wall 188

All thresholds this page. 10C

All thresholds are aluminum mill finish.
DKB indicates aluminum with dark bronze finish.
Allseal® Gasketing

Specially formulated to withstand greater temperature extremes while providing maximum protection against air infiltration. Color of Allseal gasket material is Tan.

Perimeter Seals
- silicone
- intumescent

Perimeter Seals or Sweeps
- nylon

Astragal Seals
- silicone

Seals for Use with Parallel Arm Door Closers
- nylon
- silicone
Nylon Brush Plus
- Specially formulated to withstand greater temperature extremes while providing maximum protection against air infiltration. Nylon Brush Plus color is Tan.

- 9605A
- 9605B
- 9605DKB

- C607A
- C607B
- C607DKB

- 000
- 600A
- 600B
- 600DKB

- 601
- 601A
- 601B
- 601DKB

- All products in this section: OK for use on "S" label doors.

- A - clear
- B - gold
- DKB - dark bronze

Drip Strips

Overhead Door Bottom Seal

81369N
81369NDKB

#8 x 1 1/4" Stainless Steel Screw
National Guard Products, Inc.
E-mail: ngpinfo@ngpinc.com • www.ngpinc.com

9500 x 5020 or 9500 x 2525
NGP “EDGE”, Self-Adhesive Fire Seal x Smoke Seal

20, 45, 60, 90 Minute rated
wood door with steel fire door frames up to:
single swing 4’0” x 9’0”, perimeter
standard pair 8’0” x 9’0”, perimeter/with
9500 and an NGP ‘S’ labeled astragal seal
at the meeting edge

Order separately:
UL10C classified
‘S’ labeled
Complies with UBC 7.2 (1997) parts 1 & 2

9800 x 5020 or 9800 x 5050
Self-Adhesive Fire Seal x Smoke Seal

20, 45, 60 Minute rated wood door
with steel fire-rated door frame up to:
single swing 4’0” x 9’0”, perimeter
standard pair 8’0” x 9’0”, perimeter/ use 9500 or 9800
at meeting edge
and an NGP ‘S’ rated astragal seal

UL10C classified
‘S’ labeled
Complies with UBC7.2 (1997) parts 1 & 2

9800C Charcoal
9800B Brown
9800W White
9800G Gray
Available in 18”, 25”, and 150’ rolls

5020B Brown
5020C Charcoal
5020G Gray
5020T Tan
5020W White
Available in 36”, 48”, 84”, 96”, and 120” lengths

5050B Brown
5050C Charcoal
5050T Tan
5050W White
Available in 17”, 20”, 21”, 25” and 300’ rolls

1/8” clearance required between door and frame

Available in 36”, 48”, 84”, 96”, and 120” pieces or 175’ rolls.
Electronic Access Control

Requirements:
- System Components To Be Supplied By One Manufacturer
- Locksets Must Have Emergency Key Override
- Stand Alone Units To Be Battery Operated Capable Of 80,000 Cycles
- Locksets to be CM5196 Cylindrical

Approved Manufactures:

Locknetics CM Series No Substitution
Schlage CM Locks

Schlage Computer Managed CM Locks are stand-alone, battery-powered locks that can be programmed with LockLink™ or LockLink™ Express access control management software. The same software can also manage the Von Duprin CM993 exit trim for 98/99 Series exit devices and the Locknetics Universal Controllers, which provide intelligent access control for electrified or battery-powered products such as magnets, strikes and cabinet locks.

Multiple access points. Multiple users. Multiple credentials. One way to manage them.
How To Order Schlage CM Locks


Select Model
Select Access Credential Option
Select Lever
Select Handing
Select Key Cylinder Option
Select Finish
Select Options

1. Select Model

Office Function
The outside lever is maintained locked or unlocked by pushbuttons on the inside escutcheon or by a Toggle Mode access credential. The inside lever is always free. The unit may be unlocked from the outside with an approved access credential.

CM5190 Cylindrical
CM5590 Mortise – 1/2” Latch
CM5591 Mortise – 1” Autobolt
CM5790 Unit

CM5196 Cylindrical
CM5596 Mortise – 1/2” Latch
CM5594 Mortise – 1” Autobolt
CM5796 Unit

Dormitory/Privacy Function
The outside lever is normally locked. The inside lever is always free. The unit may momentarily be unlocked from the outside with an approved access credential. The unit may be maintained unlocked by using a Toggle Mode access credential.

CM5593 Mortise – 1” Autobolt

2. Select Access Credential Option

KPI Keypad
KBD iButton Reader
MGC Mag Card Reader
MGI Mag Card Reader
PXK HID Prox Reader
PKI HID Prox Reader

Keypad
iButton Reader
Keypad
iButton Reader
Keypad
iButton Reader
Keypad
iButton Reader

The outside lever is normally locked. The inside lever is always free. The unit may be unlocked from the outside with an approved access credential. A privacy pushbutton on the inside escutcheon can temporarily disable normal access control from the outside. Opening or closing the door deactivates the privacy feature and returns the lock to normal operation. A specially programmed Pass-Thru credential may override the privacy function from the outside.
3. Select Lever

<table>
<thead>
<tr>
<th>Schlage Lever Cross-Reference Chart</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schlage CM</td>
</tr>
<tr>
<td>Schlage “L” Series</td>
</tr>
<tr>
<td>Schlage “D” Series</td>
</tr>
</tbody>
</table>

4. Select Handing

<table>
<thead>
<tr>
<th>RH</th>
<th>Right Hand</th>
</tr>
</thead>
<tbody>
<tr>
<td>LH</td>
<td>Left Hand</td>
</tr>
<tr>
<td>RHR</td>
<td>Right Hand Reverse</td>
</tr>
<tr>
<td>LHR</td>
<td>Left Hand Reverse</td>
</tr>
</tbody>
</table>

5. Select Key Cylinder Option

<table>
<thead>
<tr>
<th>KD</th>
<th>Schlage Everest Cylinder</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC</td>
<td>Less Cylinder</td>
</tr>
</tbody>
</table>

6. Select Finish

<table>
<thead>
<tr>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>606 Bright Brass</td>
</tr>
<tr>
<td>612 Satin Bronze</td>
</tr>
<tr>
<td>613 Dark Satin Bronze</td>
</tr>
<tr>
<td>625 Bright Chrome</td>
</tr>
<tr>
<td>626 Satin Chrome (Standard)</td>
</tr>
</tbody>
</table>

7. Select Options

Audit Trail Option-Mechanical Cylinder

ATK Audit trail of mechanical key override

Door Thickness Option

(Cylindrical and Mortise locks only)

⅜” Standard door thickness
Available from 1⅞” to 2⅛” in ⅛” increments

Backset/Latchbolt Options*

(Cylindrical Locks Only)

SLB 2½” Backset, ½” throw – standard
ELB 2½” Backset, ¾” throw
OLB 2½” Backset, ¾” throw

*Note: If an option is selected, locks will be shipped in length to accommodate 2½” backset and ⅛” throw.

Extra Security Option

HSS High-Security Spanner Screws for inside escutcheon

Mag Card Options

T3 ABA Track 3 Reader
(ABA Track 2 is standard for MGI and MGP Series only)

EXT Mag Card Reader for exterior use

Other

RRK Remote Release Kit – requires separate release device

Select Credentials

<table>
<thead>
<tr>
<th>IBA</th>
<th>iButton (adhesive backed)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBF</td>
<td>iButton on Fob</td>
</tr>
<tr>
<td>MAG1</td>
<td>Magnetic Stripe Card – Blank</td>
</tr>
<tr>
<td>MAG2</td>
<td>Magnetic Stripe Card – Pre-encoded</td>
</tr>
<tr>
<td>PRX1</td>
<td>Prox Card – Standard .070” thick</td>
</tr>
<tr>
<td>PRX2</td>
<td>Prox Card – Adhesive backed for photo application, .070” thick</td>
</tr>
<tr>
<td>PRX3</td>
<td>Prox Card – ISO – credit card size and thickness, .031” thick</td>
</tr>
<tr>
<td>PRX4</td>
<td>Prox Card – Dual Technologies, magnetic stripe and Prox, .031” thick</td>
</tr>
<tr>
<td>PF1</td>
<td>Prox Fob</td>
</tr>
</tbody>
</table>
Easy To Retrofit...Easy To Operate And Architecturally Designed For New Construction

Available in the following finishes

- 605 Bright Brass
- 612 Satin Bronze
- 613 Dark Satin Bronze
- 625 Bright Chrome
- 628 Satin Chrome (Standard)
- 695 Oil Rubbed Bronze

Available with a variety of lever styles

- 06 (Standard)
- 03
- 17

- Directly retrofits existing trim
- Fits doors from 1¼” to 2¼” thick
- Comes with Schlage Everest 1¼” cylinder, but can adapt to other existing key systems
- LockLink software that programs the locks is Windows®-based and menu-driven. It can be operated with minimal training

Programming each lock is done with a convenient laptop computer or a small hand-held programming device

Low Maintenance

- Easy to install – no extended components or wiring
- 80,000 activations or 2 to 3 years life before common “AA” batteries need to be replaced
- Mag card readers designed so as to prevent damage from liquid or debris
- Easy access to battery cover – provides ease-of-use while maintaining security
- Rugged design to meet ANSI/BHMA grade 1 standards
- Vandal-resistant TorqDefender feature permits the exterior lever to swing freely should vandals attempt to break the door handle. The lock remains and the mechanism operates even under extreme abuse
- Weather-resistant gasket is provided for durability for exterior applications (Standard on CM993, additional option on PRO993)

Conversion To New Card System Not Necessary

- Our exit device trims most likely work with your existing mag card and HID prox cards

Von Duprin Programmable PRO993 Exit Trim For Manual Programming

- Manually program up to 120 keycodes right at the trim
- Similar mechanical features as CM993
- Complements Schlage PRO and Locknetics PRO series products
Architectural Specifications

A. CYLINDRICAL SERIES - Lock shall be heavy-duty cylindrical type, with a 2½" backset supplied with a ½" throw latchbolt as standard. A 2½" backset with 3½" throw and 2½" backset with 5½" throw are available as options. Chasis shall accommodate ANSI standard mortise lock prep for 1½" doors as a standard, with 1½" to 2½" thick doors in ⅜ increments available. Locksets shall be provided from the factory with the appropriate hardware.

MORTISE SERIES - Lock shall be mortise type with 3-piece, beveled, stainless steel latchbolt with 3½" throw and equipped with an anti-btoton latch. Chasis shall accommodate ANSI standard mortise lock prep with a 2½" nominal backset for 1½" doors as a standard, with 1½" to 2½" thick doors in ⅜ increments available. Locksets shall be provided from the factory with the appropriate hardware.

AUTOMATIC DEADBOLTS shall be made available as a model option. Deadbolts must automatically project when the door is in the closed position. Deadbolts to be stainless steel, 1½" throw, 1½" high and ⅛ thick.

UNIT LOCK SERIES - Lock shall be heavy-duty unit type, with solid cast stainless steel latch assembly with a 3½" throw deadlocking latchbolt and a 2½" backset. Unit lock shall be secured through the use of two stainless steel plates, integrated and through-bolted by the unit lock escutcheons for 1½" thick doors only. Locks shall be provided from the factory with the appropriate hardware.

B. Outside and inside levers shall operate independently of each other. Lock shall use patented, clutch mechanism to deter vandalism and maximize durability. Disenrollment of secured levers shall not permit latchbolt retraction from secure side while allowing emergency egress. The Schlage 17 style lever is standard with the 02 and 06 style available as options.

C. Escutcheons and levers will be supplied with Satin Chrome - 626 finish as standard with the following finishes available as options:
- Bright Brass - 605
- Satin Bronze - 612
- Dark Satin Bronze - 613
- Bright Chrome - 625

Spacers Screws on the inside escutcheon are provided by ordering the “High-Security Series” HSS feature.

D. The lock will be furnished with the following functions:
1. Office - The outside lever is maintained locked or unlocked by pushbuttons on the inside escutcheon or by a Toggle Mode access credential. The inside lever is always free.
2. Classroom/Storeroom - The outside lever is normally locked. The inside lever is always free. An approved access credential will momentarily unlock the door. The unit may be maintained unlocked by using a Toggle Mode access credential.
3. Dormitory/Privacy (1½" Deadbolt only) - The privacy function is enabled by a single pushbutton on the inside electronic housing; this will disable normal electronic access from the exterior. Opening the door deactivates the privacy feature.

E. Emergency mechanical key override utilizes Schlage Everset 1½" mortise cylinder with standard straight cam, provided as standard, available with “less cylinder” option. Furnish optional “Audit Trail Key,” ATK, feature for mechanical key usage to be signaled and recorded into the audit event database.

F. Locks for exterior applications shall be furnished with an outside escutcheon gasket to resist intrusion of dust, weather and foreign materials. Recommended for environmentally controlled interior doors and exterior doors, with environmentally controlled interior and uncontrolled exterior doors.

G. Electrical operation shall be battery operated, capable of 80,000 operating cycles using non-proprietary four “AA” alkaline batteries. Lock shall be capable of operation for exterior applications, at temperatures of 4°F to 131°F, at relative humidity of 0-95%, continuous, non-condensing. Locks shall be resistant to radio frequency and electrostatic discharge.

H. Outside escutcheons shall be made available with the following integrated, multi-credential platform combinations:
1. 1 button only,
2. 1 button and 6-button keypad,
3. magnetic stripe card with 1 button,
4. magnetic stripe card with 1 button and 6-button keypad,
5. HID proximity card with 1 button,
6. HID proximity card with 1 button and 6-button keypad.

NOTE: Magnetic Stripe Cards will read track 1 & track 2 as standard and Track 3 as optional.

I. Visual red and green LED indicators shall indicate activation, operational systems status, system error conditions and low power conditions.

J. Controller board shall support keypad, 1 button, magnetic stripe card, and HID prox credentials. Credential combinations shall allow administrators to determine how, operationally, credential holders will access the restricted areas by the use of a single credential, or dual credentials. Controller board shall also support the following:
1. 1,000 user capacity with 1,000 audit capacity.
2. SmartTime features as standard.
   a. Time zones.
   b. First person in for auto unlocks.
   c. Credential activation and expiration.
   3. Current LockLink and LockLink Express features.
   4. Indicate operations systems, system error and low power conditions.
   5. Optional automatic magnetic stripe card replacement. Incremented cards will be accepted by the lock while older cards will no longer be accepted.

K. Where specified, furnish optional “Remote Release Kit,” RRK, which permits release of the lock via a remote switch wired back to the lock.

L. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated in the work include:
1. Schlage/IR CMS100 Cylindrical Series
2. Schlage/IR CMS500 Mortise Series
3. Schlage/IR CMS700 Unit Lock Series
A. Exit trim shall retrofit with the following Von Duprin 98/99 Series exit devices:
98(F)/99(F) Rim
9827(F)/9927(F) Surface Vertical Rod
9847(F)/9947(F) Concealed Vertical Rod
9818(F)/9918(F) Concealed Vertical Rod
9857(F)/9957(F) Three-Point Latching
Exit trim will cover existing preparation holes.
NOTE: F = fire-rated

B. Trim shall use patented, clutch mechanism to deter vandalism and maximize durability. Disengagement of secured levers shall not permit latchbolt retraction from secure side while allowing emergency egress. The 96 style lever is standard with the 63 and 17 style available as options.

C. Escutcheons and levers will be supplied with Satin Chrome—626 finish as standard with the following finishes available as options:
- Bright Brass — 605
- Satin Bronze — 612
- Dark Satin Bronze — 613
- Bright Chrome — 625
- Oil Rubbed Bronze — 605

D. Emergency mechanical key override utilizes Schlage Everest 10" mortise cylinder with standard straight cam, provided as standard, available with "less cylinder" option.

FOR CM983 – Furnish optional “Audit Trail Key”, ATK, feature for mechanical key usage to be signaled and recorded into the audit event database.

E. Trim for exterior application shall be furnished with an outside escutcheon gasket to resist intrusion of dust, weather and foreign materials. Recommended for environmentally controlled interior doors and exterior doors, with environmentally controlled interior and uncontrolled exterior doors.

F. Electrical operation shall be battery operated, capable of 30,000 operating cycles using non-proprietary four “AA” alkaline batteries. Trim shall be capable of operation for exterior applications, at temperatures of 4°F to 120°F, at relative humidity of 0-85%, continuous, non-condensing. Trim shall be resistant to radio frequency and electrostatic discharge.

G. Trim shall be made available with the following integrated multi-credential combinations:

- FOR CM983:
  1. Ilbutton only.
  2. Ilbutton and 6-button keypad.
  3. Magnetic stripe card with Ilbutton.
  4. Magnetic stripe card with Ilbutton and 6-button keypad.
  5. HID proximity card/fob with Ilbutton.
  6. HID proximity card/fob with Ilbutton and 6-button keypad.

  NOTE: Magnetic Stripe Certs will run track A/B/C. Track 2 is optional (marked by "T2" cassettes). Magnetic stripe card readers for exterior applications will be available by entering the "EXT" option.

FOR PR993 – Keypad only

H. Visual red and green LED indicators shall indicate activation, operational systems status, system error conditions and low power conditions.

FOR CM983 – Controller board shall support keypad, Ilbutton, magnetic stripe card, and HID proximity credentials. Credential combinations shall allow administrators to determine how, operationally, credential holders will access the restricted areas by the use of a single credential, or dual credentials. Controller board shall also support the following:

1. 1000 user capacity with 1000 audit capacity.
2. SmartTime features as standard.
   a. Time zones.
   b. First person in or auto unlocks.
   c. Credential activation and expiration.
3. Current load limit and display key entry feature.
4. Indicate operations systems, system error and low power conditions.
5. Optional automatic magnetic stripe card replacement. Incremented cards will be accepted by the lock while older cards will no longer be accepted.

FOR PR993 – Controller board shall support 120 user capacity and indicate operations systems, system error and low power conditions.

J. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated in the work include:

1. Von Duprin/HH CM983 Series
2. Von Duprin/HH PR993 Series
Division 8710 Finish Hardware

For assistance in preparing a hardware schedule, contact:

Mark Holst AHC
Johnson Hardware
1201 Pacific
Omaha, Nebr 68108
402-444-1650

Or

Charles Zinc AHC
Johnson Hardware
1201 Pacific
Omaha, Nebr 68108
402-444-1650