

# 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

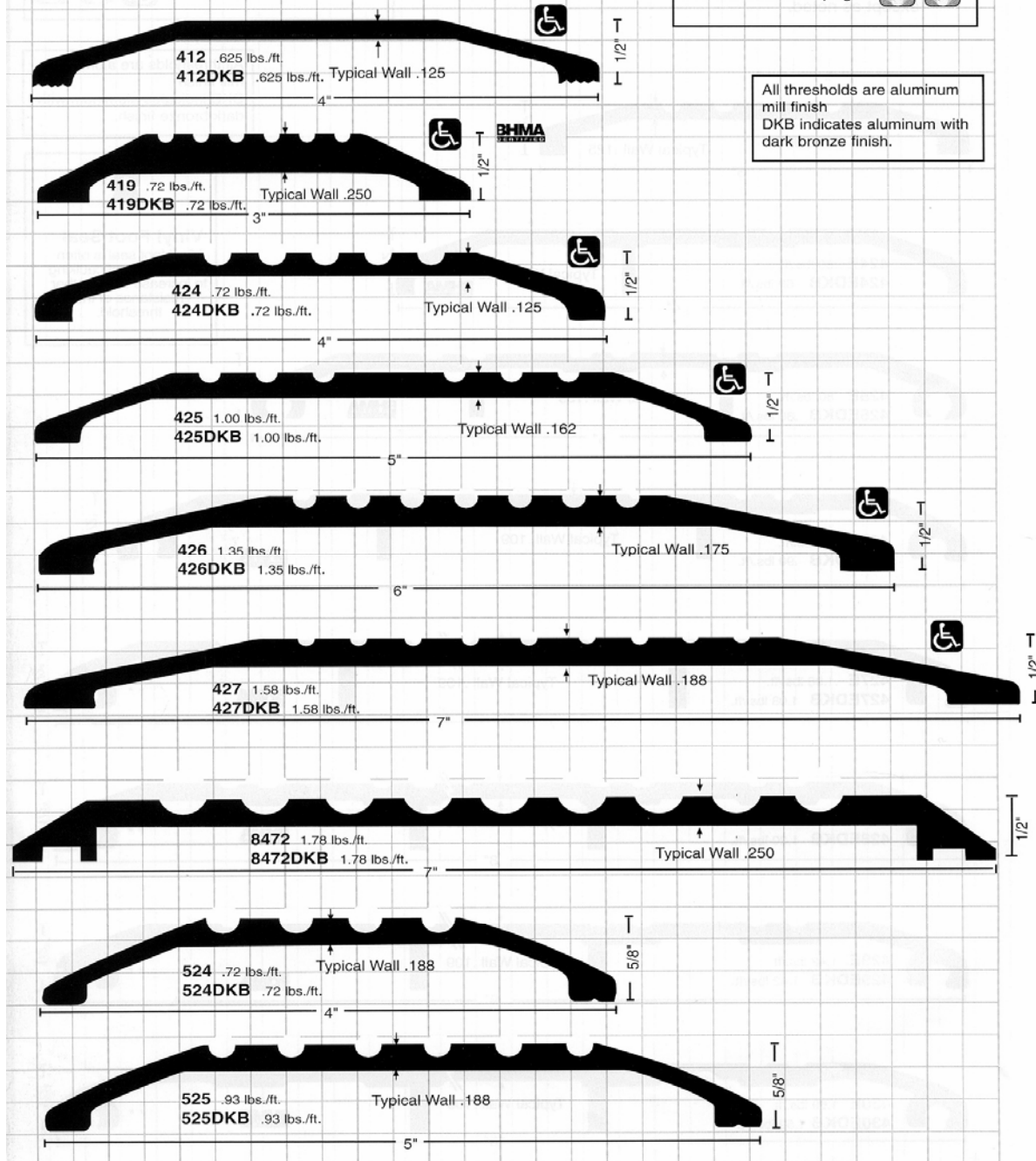
# National Guard Products, Inc.

E-mail: [ngpinfo@ngpinc.com](mailto:ngpinfo@ngpinc.com) • [www.ngpinc.com](http://www.ngpinc.com)

All drawings are actual size except as noted.

All thresholds this page.  10C

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





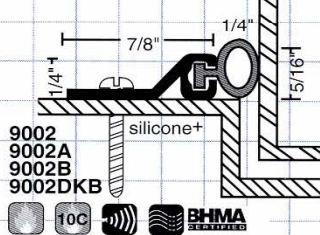
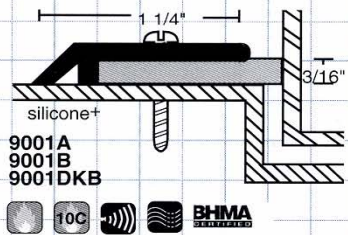
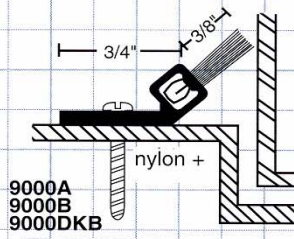
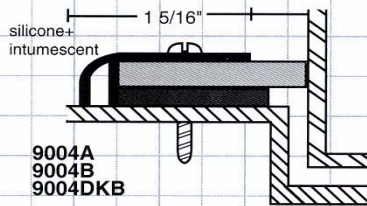
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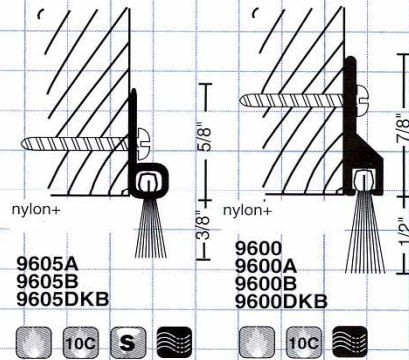
# Allseal® Gasketing

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

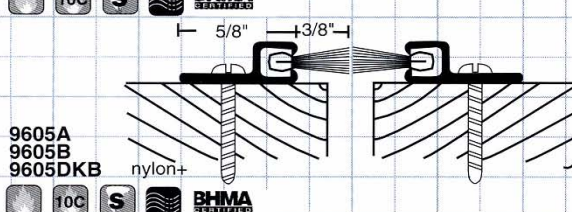
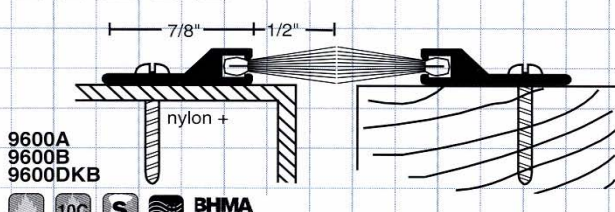
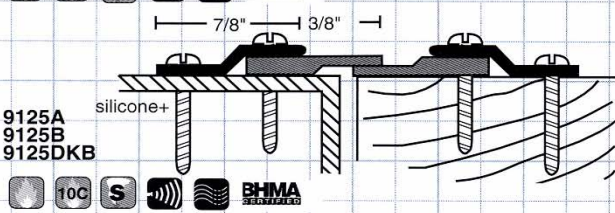
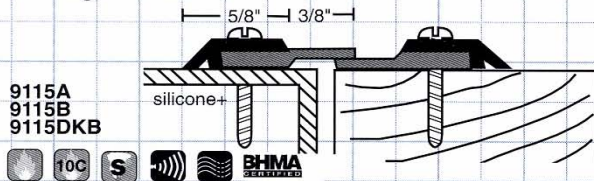
## Perimeter Seals



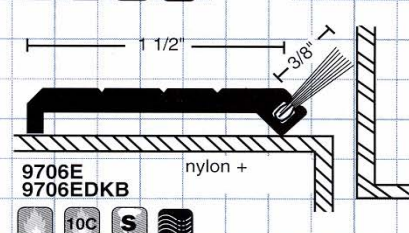
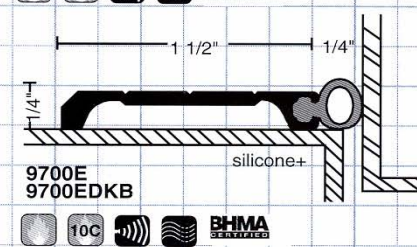
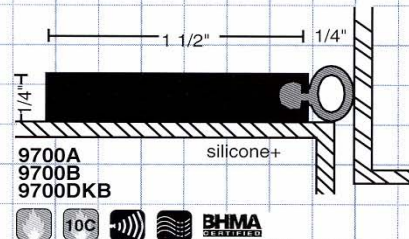
## Perimeter Seals or Sweeps



## Astragal Seals



## Seals for Use with Parallel Arm Door Closers





# National Guard Products, Inc.

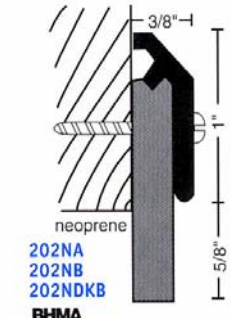
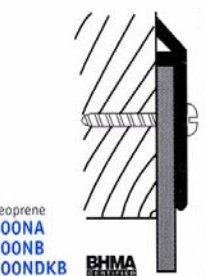
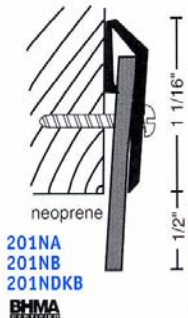
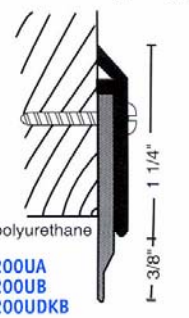
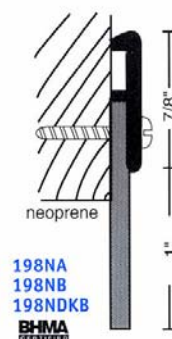
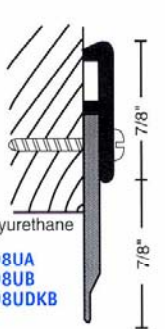
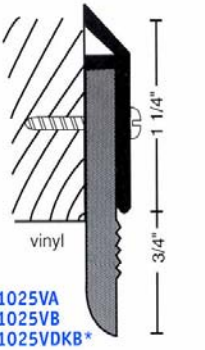
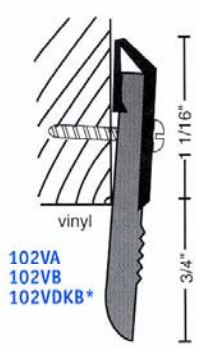
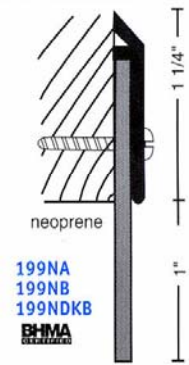
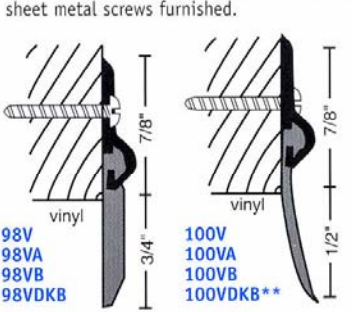
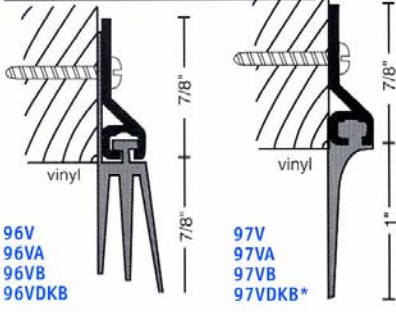
PROTECTION, INSIDE OUT

## Sweeps

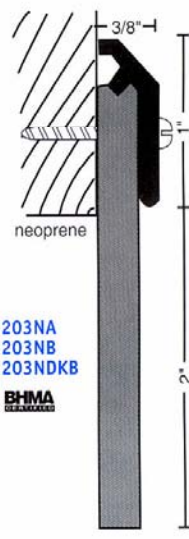
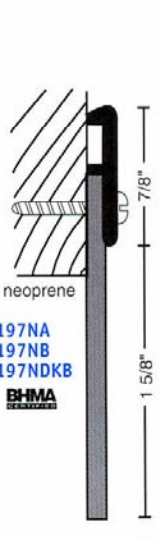
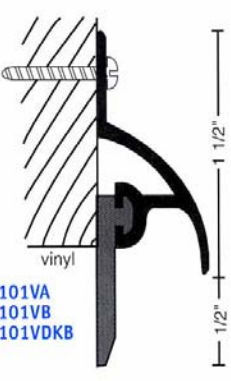
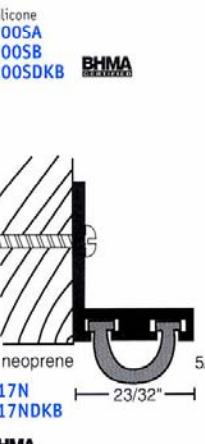
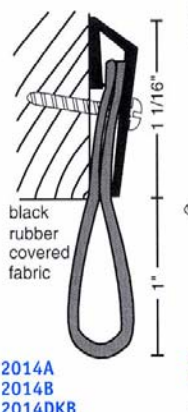
vinyl is gray. Exceptions:  
\*vinyl is black, \*\*vinyl is brown

neoprene, polyurethane are black  
silicone is gray

#6 x 3/4" stainless steel  
sheet metal screws furnished.



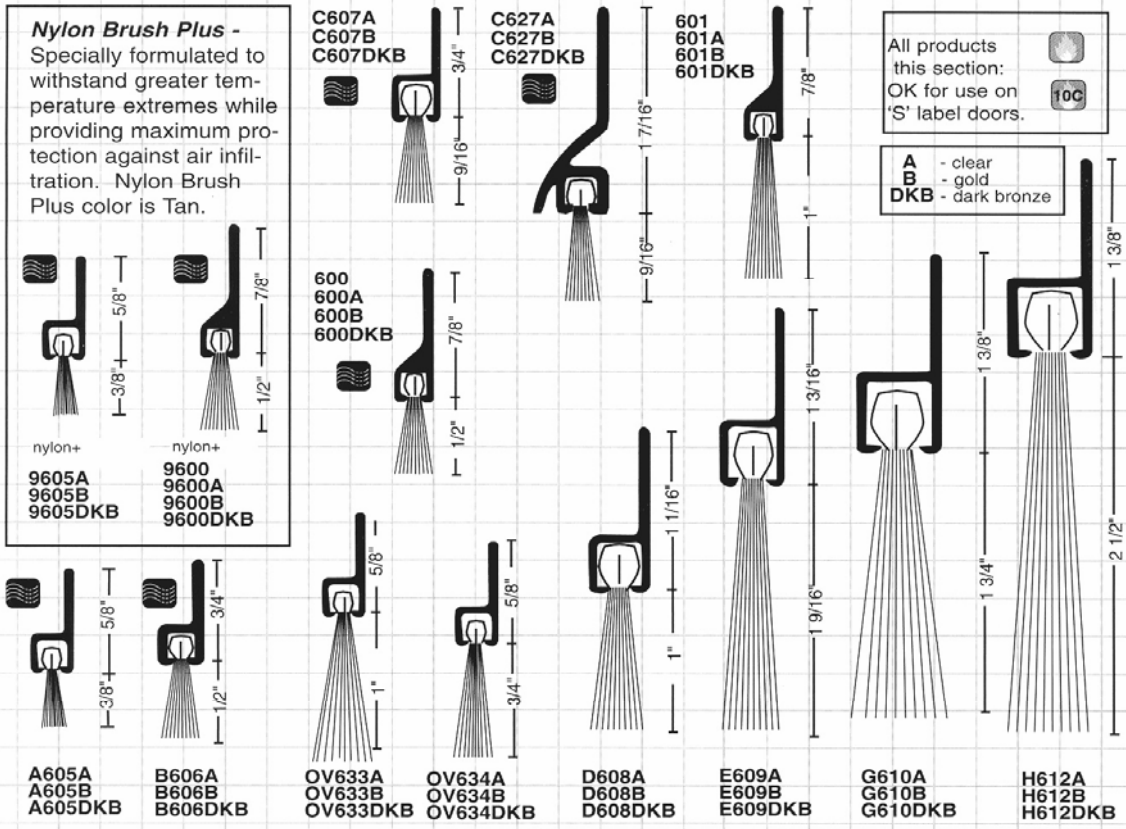
All products  
this page:  
OK for use on  
'S' label doors.





**National Guard Products, Inc.**  
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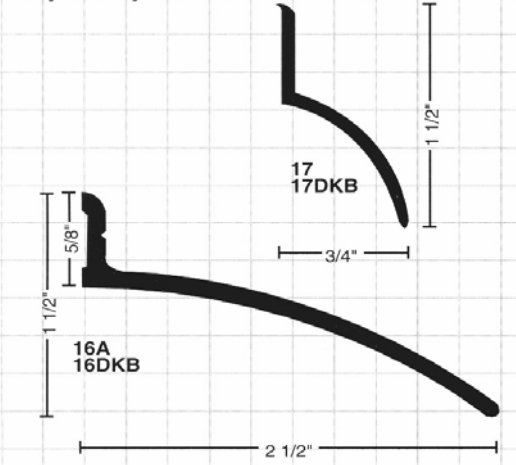
**Nylon Brush Plus** -  
 Specially formulated to withstand greater temperature extremes while providing maximum protection against air infiltration. Nylon Brush Plus color is Tan.



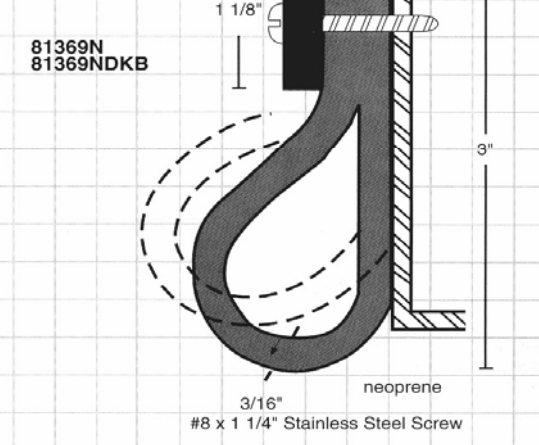
All products in this section: OK for use on 'S' label doors.

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

**Drip Strips**



**Overhead Door Bottom Seal**





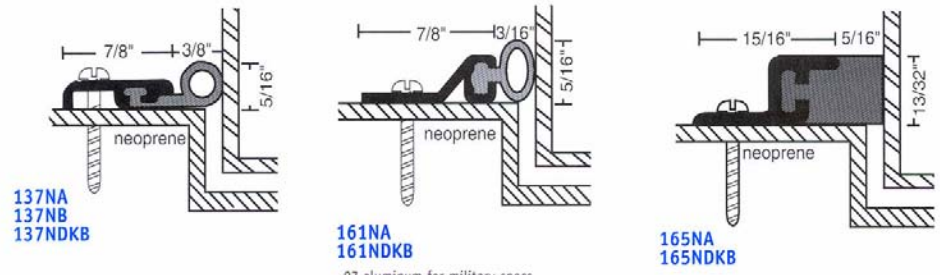
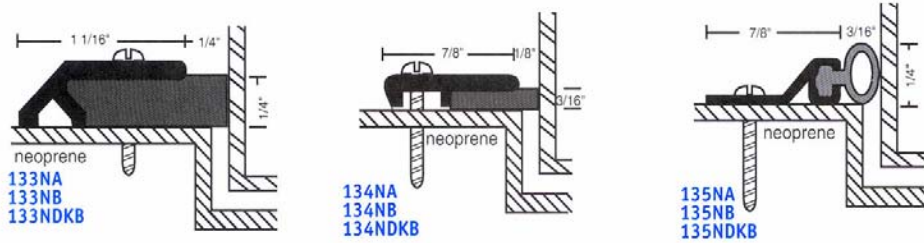
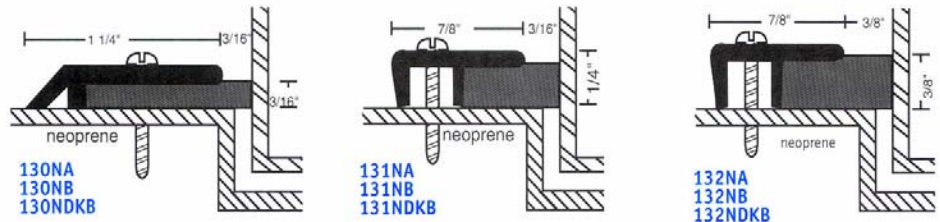
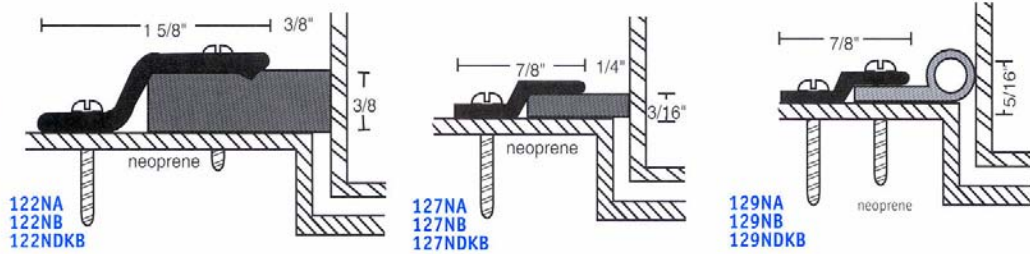
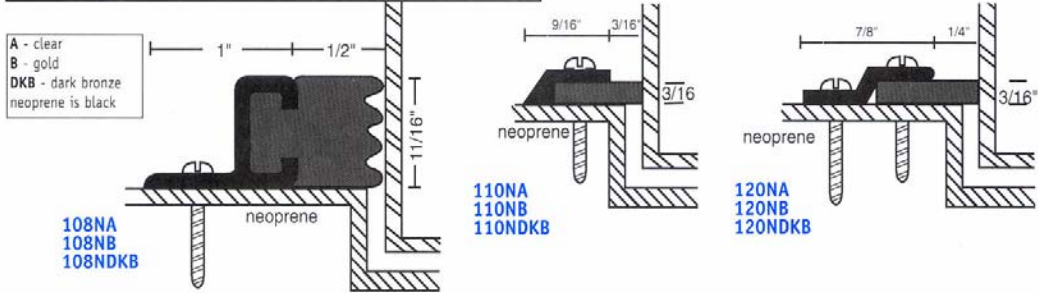
# National Guard Products, Inc.

PROTECTION, INSIDE OUT

## Perimeter Seals - Neoprene

All products this page.

#6 x 3/4" Stainless Steel Sheet Metal Screws furnished.



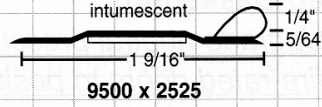
.07 aluminum for military specs

**National Guard Products, Inc.**

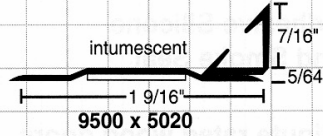
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**9500 x 5020 or 9500 x 2525  
NGP "EDGE", Self-Adhesive Fire  
Seal x Smoke Seal**

**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

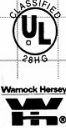


9500 x 2525



9500 x 5020

1/8" clearance required between door and frame



UL10C classified  
'S' labeled  
Complies with UBC 7.2 (1997) parts 1  
& 2



**Order separately:**  
9500 Gray  
9800DKB Brown

Available in 36", 48",  
84", 96", and 120"  
pieces or 175' rolls.

5020B Brown  
5020C Charcoal  
5020G Gray  
5020T Tan  
5020W White

Available  
in 36", 48", 84"  
96" and 120"  
lengths

2525B Brown  
2525C Charcoal  
2525W White  
2525T Tan

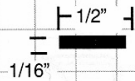
Available  
in 17', 20', 21',  
25' and 300' rolls  
lengths

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

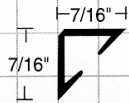
**20, 45, 60 Minute rated wood door  
with steel fire-rated door frame up to:**

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

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

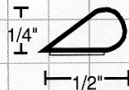


5020B Brown  
5020C Charcoal  
5020G Gray  
5020T Tan  
5020W White  
Available in 36", 48", 84" 96"  
and 120" lengths



\*two strips of 9800 required on  
45 and 60 minute doors.

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



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



# 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

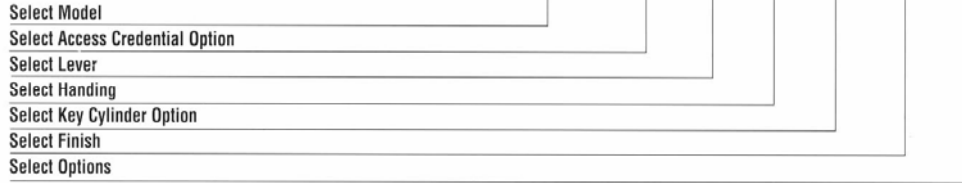
Schlage Computer Managed CM Locks are stand-alone, battery-powered locks that can be programmed with LockLink™ or LockLink™ Express access control management software. The same software can also manage the Von Duprin CM993 exit trim for 98/99 Series exit devices and the Locknetics Universal Controllers,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

**CM5190 – PXX – 17 – RH – KD – 605 – ATK**



## 1. Select Model



**CM5190** Cylindrical  
**CM5590** Mortise – 3/4" Latch  
**CM5591** Mortise – 1" Autobolt  
**CM5790** Unit

### 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.



**CM5196** Cylindrical  
**CM5596** Mortise – 3/4" Latch  
**CM5594** Mortise – 1" Autobolt  
**CM5796** Unit

### Classroom/Storeroom 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

### Dormitory/Privacy Function

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.

## 2. Select Access Credential Option



**KPI**  
 Keypad  
 iButton Reader



**IBO**  
 iButton Reader



**MGK**  
 Mag Card Reader  
 Keypad  
 iButton Reader



**MGI**  
 Mag Card Reader  
 iButton Reader



**PXX**  
 HID Prox Reader  
 Keypad  
 iButton Reader



**PXI**  
 HID Prox Reader  
 iButton Reader

### 3. Select Lever



#### Schlage Lever Cross-Reference Chart

Schlage CM	17	03	06
Schlage "L" Series	17	03	06
Schlage "D" Series	Sparta	-	Rhodes

### 4. Select Handing

- RH Right Hand
- LH Left Hand
- RHR Right Hand Reverse
- LHR Left Hand Reverse

*Note: Handing is field-reversible*

### 5. Select Key Cylinder Option

- KD Schlage Everest Cylinder
- LC Less Cylinder

*Note: Order master keyed cylinder separately*

### 6. Select Finish



- 605 Bright Brass
- 612 Satin Bronze
- 613 Dark Satin Bronze
- 625 Bright Chrome
- 626 Satin Chrome (Standard)

### 7. Select Options

- Audit Trail Option-Mechanical Cylinder**
- ATK** Audit trail of mechanical key override

- Door Thickness Option**
- (Cylindrical and Mortise locks only)

$\frac{3}{8}$ " Standard door thickness  
Available from  $1\frac{3}{8}$ " to  $2\frac{3}{4}$ " in  $\frac{1}{8}$ " increments

- Backset/Latchbolt Options\***
- (Cylindrical Locks Only)

- SLB**  $2\frac{3}{4}$ " Backset,  $\frac{1}{2}$ " throw – standard
- ELB**  $2\frac{3}{4}$ " Backset,  $\frac{3}{4}$ " throw
- OLB**  $2\frac{3}{4}$ " Backset,  $\frac{1}{2}$ " throw

*\*Note: If no option is selected, locks will be shipped to accommodate  $2\frac{3}{4}$ " backset and  $\frac{1}{2}$ " 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 MGK Series only)
- EXT** Mag Card Reader for exterior use

- Other**

- RRK** Remote Release Kit – requires separate release device

### Select Credentials

- IBA** iButton (adhesive backed)
- IBF** iButton on Fob
- MAG1** Magnetic Stripe Card – Blank
- MAG2** Magnetic Stripe Card – Pre-encoded
- PRX1** Prox Card – Standard .070" thick
- PRX2** Prox Card – Adhesive backed for photo application, .070" thick
- PRX3** Prox Card – ISO – credit card size and thickness, .031" thick
- PRX4** Prox Card – Dual Technologies, magnetic stripe and Prox, .031" thick
- PF1** Prox Fob

## 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



**626**  
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 1½" 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 2 $\frac{1}{2}$ " backset supplied with a  $\frac{1}{2}$ " throw latchbolt as standard. A 2 $\frac{3}{4}$ " backset with  $\frac{1}{2}$ " throw and 2 $\frac{1}{2}$ " backset with  $\frac{3}{8}$ " throw are available as options. Chassis shall accommodate standard 161 cylindrical lock prep for 1 $\frac{1}{2}$ " doors as a standard, with 1 $\frac{3}{4}$ " to 2 $\frac{1}{2}$ " thick doors in  $\frac{1}{8}$ " increments available. Locksets shall be provided from the factory with the appropriate handing.
- MORTISE SERIES** – Lock shall be mortise type with 3-piece, beveled, stainless steel latchbolts with  $\frac{1}{2}$ " throw and equipped with an anti-friction latch. Chassis shall accommodate ANSI standard mortise lock prep with a 2 $\frac{1}{2}$ " nominal backset for 1 $\frac{1}{2}$ " doors as a standard, with 1 $\frac{3}{4}$ " to 2 $\frac{1}{2}$ " thick doors in  $\frac{1}{8}$ " increments available. Locksets shall be provided from the factory with the appropriate handing.
- AUTOMATIC DEADBOLTS** shall be made available as a model option. Deadbolt must automatically project when the door is in the closed position. Deadbolts to be stainless steel, 1" throw, 1 $\frac{1}{2}$ " high and  $\frac{1}{2}$ " thick.
- UNIT LOCK SERIES** – Lock shall be heavy-duty unit type, with solid cast stainless steel latch assembly with a  $\frac{1}{2}$ " throw deadlocking latchbolt and a 2 $\frac{1}{2}$ " backset. Unit lock shall be secured through the use of two stainless steel plates, integrated and through-bolted by the unit lock escutcheons for 1 $\frac{1}{2}$ " thick doors only. Locks shall be provided from the factory with the appropriate handing.
- B.** Outside and inside levers shall operate independently of each other. Lock shall use patented, clutch mechanism to deter vandalism and maximize durability. Disablement of secured levers shall not permit latchbolt retraction from secure side while allowing emergency egress. The Schlage 17 style lever is standard with the 03 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 |
- Spanner Screws on the inside escutcheon are provided by ordering the "High-Security Screw," 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 (1" 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 Everest 1 $\frac{1}{2}$ " 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 0-85%, continuous, non-condensing. Lock shall be resistant to radio frequency and electrostatic discharge.
- H.** Outside escutcheon shall be made available with the following integrated, multi-credential platform combinations:
1. iButton only.
  2. iButton and 6-button keypad.
  3. magnetic stripe card with iButton.
  4. magnetic stripe card with iButton and 6-button keypad.
  5. HID proximity card/fob with iButton.
  6. HID proximity card/fob with iButton and 6-button keypad.
- NOTE:** Magnetic Stripe Cards will read track ABA 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, iButton, 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. SmarTime 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," RRR, 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 CM5100 Cylindrical Series
  2. Schlage/IR CM5500 Mortise Series
  3. Schlage/IR CM5700 Unit Lock Series



## Architectural Specifications

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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
9848(F) / 9948(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. Disabling of secured levers shall not permit latchbolt retraction from secure side while allowing emergency egress. The 06 style lever is standard with the 03 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	– 695

D. Emergency mechanical key override utilizes Schlage Everest 1¼" mortise cylinder with standard straight cam, provided as standard, available with "less cylinder" option.

**FOR CM993** – 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 80,000 operating cycles using non-proprietary four "AA" alkaline batteries. Trim shall be capable of operation for exterior applications, at temperatures of 4° F to 131° 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 CM993:**

1. iButton only.
2. iButton and 6-button keypad.
3. magnetic stripe card with iButton.
4. magnetic stripe card with iButton and 6-button keypad.
5. HID proximity card/fob with iButton.
6. HID proximity card/fob with iButton and 6-button keypad.

**NOTE:** Magnetic Stripe Cards will read track ABA Track 2 as standard and Track 3 as optional (noted by "T3" option). Magnetic stripe card readers for exterior applications will be available by ordering the "EXT" option.

**FOR PRO993** – Keypad only

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

I. **FOR CM993** – Controller board shall support keypad, iButton, 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. 1,000 user capacity with 1,000 audit capacity.
2. SmarTime 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.

**FOR PRO993** – 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/IR CM993 Series
2. Von Duprin/IR PRO993 Series

Division 8710 Finish Hardware

For assistance in preparing a hardware schedule, contact:

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