Integrated Door Assemblies
Door Hardware
Access Control Devices
Electric Strikes
Exit Devices
Imagine an integrated commercial door system that meets all fire and safety regulations, is easy to install... and actually enhances your design. Imagine The RITE Door®, a sleek, all-in-one solution that is as imaginative as it is practical.

The RITE Door’s clean site lines and wide range of finishes and options give you the freedom to design doors that complement any architecture. Pre-installed hardware, trouble-free installation and high performance make it a perfect fit for any application including hospitals, hotels, retail, offices and schools.

Integrated Door System with Pre-Installed Hardware

Types of Operating Hardware

- Inset Exit Device
- Inset Push/Pull
- Dual Lever

The RITE Door can be finished in a wide variety of colors and textures.

The RITE Door with Vision Lites and Kick Plates.
Nothing beats the strength, looks and performance of an Adams Rite exit device. Every type we make combines our patented hardware with the slim, clean lines of our extruded aluminum pushbar. This gives designers and specifiers flexibility in application, while maintaining consistency in appearance. An extensive range of options and finishes assures that you get exactly the exit device you want.

All Adams Rite exit devices fully meet building codes and ADA guidelines for accessibility and clearance. Activation of the locking hardware is smooth and reliable, while the low-profile pushbar reduces wear and maintenance. For fire doors, our exit devices are rated up to 3 hours and all devices meet Grade 1 hardware and security pull tests.

Consider for yourself: the strength and durability of our pushbars and locking mechanisms; the beauty and innovation of our designs; the security and dependability in performance. For these reasons and more, Adams Rite's line of exit devices have earned the reputation as the best value in the industry.

**Fire-Rated Exit Devices for Hollow Steel Doors**

<table>
<thead>
<tr>
<th>Type of Exit Device</th>
<th>Application and Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CVR</strong></td>
<td>3600 3600T 3600T</td>
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<tr>
<td><strong>SVR</strong></td>
<td>3100 3100T 3100T</td>
</tr>
<tr>
<td><strong>MORTISE</strong></td>
<td>3100*</td>
</tr>
<tr>
<td><strong>RIM</strong></td>
<td>3700</td>
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**Complete Listing of Available Finishes**

<table>
<thead>
<tr>
<th>US3</th>
<th>Bright Brass</th>
<th>US52</th>
<th>Bright Stainless</th>
<th>313</th>
<th>Dark Bronze Anodized</th>
<th>628</th>
<th>Satin Aluminum</th>
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<td>Satin Stainless</td>
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<td>Black Anodized</td>
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<td></td>
</tr>
</tbody>
</table>

**Surface Vertical Rods**

**3100 / 8100**

- **Surface Vertical Rod Exit Device BHMA Type 2**
  - 3100 Fire-rated
  - 3100T with Top Rod Only on steel doors
  - 3100W with Top Rod Only on wood doors

**8100**

- Fire-rated

**8100T**

- Fire-rated

**All Steel Exit Devices for Wood and Hollow Steel Doors**

<table>
<thead>
<tr>
<th>Type of Exit Device</th>
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<tr>
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</tr>
<tr>
<td><strong>RIM</strong></td>
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</table>

**Features**

- **Header Strike**
- **Top Bolt**
- **Bottom Bolt**

**Fire-Rated Exit Devices for Wood Doors**

<table>
<thead>
<tr>
<th>Type of Exit Device</th>
<th>Application and Rating</th>
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<tbody>
<tr>
<td><strong>CVR</strong></td>
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<td>3100*</td>
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<tr>
<td><strong>RIM</strong></td>
<td>3700</td>
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**Complete Listing of Available Finishes**

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</tr>
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</table>

**Mortise Exit Devices for Wood and Hollow Steel BHMA Type 3**

- **3300 Fire-rated**
- **3300T**
- **3300W**

**8300 Life-safety**

**8400**

- **Narrow Stile Mortise Exit Device BHMA Type 10**
  - **8400 Life-safety**
  - **8475 Inset Mid-panel**

A variety of strikes are available for different conditions and applications.
Concealed Vertical Rods

**Metal Door**
- 3600 Fire-rated
- 3600T with Top Rod Only
- 8500 Life-safety
- 8500T with Top Rod Only

For hollow core doors.

**Wood Door**
- 3900 Fire-rated
- 8900 Life-safety

For wood doors. Top Rod Only device with latch housing.

**Wood Narrow Stile**
- 3900 Fire-rated
- 8900 Life-safety

For wood doors. Top Rod Only device with latch housing.

**Features**
- **Life-Safety Header Strike**
- **Fire-Rated Header Strike**
- **8600 Escutcheon**
  - Required to mount any standard mortise cylinder, with MS® Cam, on outside of door.
  - Required only for Concealed Vertical Rod exit devices.

**Options and Accessories**
- **Motorized Latch Retraction**
- **Monitor/Signal Switch**
- **Electric Dogging**
- **Fixed Pulls**
  - 3001/3002 Self-closing steel pull handles 3" x 1-1/2" escutcheons. Order with or without a cylinder hole.
  - 3001 Flat pull
  - 3002 Flat cross-rotators

**Entry Trim**

**Standard Levers**
- 3080-01
- 3080-03

**Designer Levers**
- 3080-M0
- 3080-MX
- 3080-MW

**3000 Series 3080E Series Electrified**
- Each model shares the same core components, so levers can be changed without having to replace the entire trim. A Breakaway locking mechanism protects the handle from vandalism or forced entry. Available in a wider range of architectural finishes to match the pushbar. Order with or without a cylinder hole.

**3080 Dummy**
- Non-operable fixed pushbar.

**3099M Pushbar**
- Pushbar with no latching mechanism on doors not requiring an exit device.
- Wired with a single (M1) or dual (M2) monitor/signal switch (M2).
- Emits an audible alarm to notify of any unauthorized entry. Will not alter the life-safety characteristics of the exit device.

**8800 Narrow Stile Rim Exit Device**
- BHMA Type 4
- 8800 Life-safety
- For aluminum stile glass doors.

When door closes, the nose-guard and stainless steel bolt close around the strike, creating a solid interlock between door and frame. When pushbar is depressed, the deadlocking slide moves back, unlocking the door.

**3700 Rim Exit Device**
- BHMA Type 1
- 3700 Fire-rated
- 8700 Life-safety

For wood and hollow core doors.

**3600 Narrow Stile Rim Exit Device**
- BHMA Type 6
- 3600 Fire-rated
- 8675 MS panels®

For aluminum stile glass doors. Requires special door construction. Consult factory.
Steel Hawk 4300 eLatch

The new Steel Hawk 4300 is a non-handed deadlatch that can adapt to any door swing right out of the box thanks to its patented two-way warded technology. The Steel Hawk 4300 also accommodates Adams Rite RS series deadbolts using the same strike, and is compatible with existing handles, paddles and trim, including the new 4600 Series Designer Handles. The Steel Hawk 4300 also retrofits Adams Rite MR series deadbolts using a special non-cut surface mounted strike.

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Power Transfer

Power transfers offer installers a heavy duty, yet unobtrusive solution for channeling wiring from the door frame to the door itself to power a number of electronic locking devices. Complete concealed where the door is closed, these are a strong steel housing and spring steel conduct, with a steel limit guard for extra protection. These rugged units are suitable for any swinging door with butt or continuous hinges or 3/4” offset pivots. Not compatible with center pivot and swing clear hinges.

Securitron, an ASSA ABLOY Group Company, now offers the PowerJump™ (ICPT) Inductive Coupling Power Transfer that transfers power across the door gap without wires to power electrified hardware on the door. For more information, please visit www.securitron.com.

eForce®-150, eForce® Prox/Glass (3000P/3090C) and eForce® Aperio™

eForce is a series of battery-operated keyless entry controls for Adams Rite deadbolts, deadbolts and exit devices that are compatible with aluminum, steel, steel and wood door applications. The eForce-150 accommodates up to 150 users and features an indoor card keypad, while the eForce Prox/Glass™ model features an encrypted HID® Prox Contactless Card Reader that interfaces with any Wiegand format access control systems. A third option, the new 4612 Power Transfer, can wirelessly upgrade a mechanical door to a fully functioning online door, greatly improving the controllability and security level of the premise. The Aperio enabled release is easily integrated with most access control systems regardless of manufacturer.

PS-SE for Latch Retraction

Operates at 24 VDC to power up to ten SE nest devices in sequential or independent modes. Order BPK-SE for Battery Backup Kit. Designed to accommodate two SEI sealed lead acid batteries (not included).

PS-1 Power Supply

The enclosure accommodates two sealed lead acid batteries. 52/34 VDC regulated and 1 AMP.

eForce-150, eForce® Prox/Glass (3000P/3090C) and eForce® Aperio™

eForce is a series of battery-operated keyless entry controls for Adams Rite deadbolts, deadbolts and exit devices that are compatible with aluminum, steel, steel and wood door applications. The eForce-150 accommodates up to 150 users and features an indoor card keypad, while the eForce Prox/Glass™ model features an encrypted HID® Prox Contactless Card Reader that interfaces with any Wiegand format access control systems. A third option, the new 4612 Power Transfer, can wirelessly upgrade a mechanical door to a fully functioning online door, greatly improving the controllability and security level of the premise. The Aperio enabled release is easily integrated with most access control systems regardless of manufacturer.

7400 Grade I Series Electric Strikes

7400/7401

Faceplate
1-1/4” x 4-3/8”
7400/7401

Case
1-13/32” x 3-3/8” x 1-3/4”
Adjustable Strike Opening
5/32” – 1-9/32” x 1-1/2”

7430/7431

Faceplate
1-1/4” x 4-3/8”
7430/7431

Case
1-13/32” x 3-3/8” x 1-3/4”
Adjustable Strike Opening
5/32” – 1-9/32” x 1-1/2”

7440

Faceplate
1-1/4” x 4-3/8”
7440

Case
1-13/32” x 3-3/8” x 1-1/2”
Adjustable Strike Opening
5/32” – 1-9/32” x 1-1/2”

7411

Faceplate
1-1/4” x 4-3/8”
7411

Case
1-13/32” x 3-3/8” x 1-3/4”
Strike Opening
1/8” – 1/4” x 1/2”

7410

Faceplate
1-1/4” x 4-3/8”
7410

Case
1-13/32” x 3-3/8” x 1-3/4”
Strike Opening
1/8” – 1/4” x 1/2”

7410/7411

Faceplate
1-1/4” x 4-3/8”
7410/7411

Case
1-13/32” x 3-3/8” x 1-3/4”
Adjustable Strike Opening
5/32” – 1-9/32” x 1-1/2”

UltraLine 4612 Power Transfer

Suspended with project fasteners for wood, hollow metal or aluminum doors.
Order 4612-1 for 105 degree door swing.
Order 4612-2 for 180 degree door swing.
Order BBK-SE for Battery Backup Kit.
Not compatible with center pivot and swing clear hinges.

Now available with ElectroLynx connectors.
Order 4612-2 for 180 degree door swing.
Order 4612-1 for 105 degree door swing.

Hollow metal or aluminum doors.
Supplied with proper fasteners for wood, hollow metal or aluminum doors.
Order 4612-1 for 105 degree door swing.
Order 4612-2 for 180 degree door swing.
Order BBK-SE for Battery Backup Kit.
Not compatible with center pivot and swing clear hinges.

Now available with ElectroLynx connectors.
Order 4612-2 for 180 degree door swing.
Order 4612-1 for 105 degree door swing.

7100 Grade I Series and Fire-Rated 7200 Series

7100 Grade I Series

7100/7101

Faceplate
1-1/4” x 4-3/8”
7100/7101

Case
1-13/32” x 3-3/8” x 1-3/4”
Strike Opening
1/8” – 1/4” x 1/2”

7110

Faceplate
1-1/4” x 4-3/8”
7110

Case
1-13/32” x 3-3/8” x 1-3/4”
Strike Opening
1/8” – 1/4” x 1/2”

4612 Power Transfer

Suspended with project fasteners for wood, hollow metal or aluminum doors.
Order 4612-1 for 105 degree door swing.
Order 4612-2 for 180 degree door swing.
Now available with ElectroLynx connectors.
Ex: 4612-1-2

UltraLine 4612 Power Transfer

Suspended with project fasteners for wood, hollow metal or aluminum doors.
Order 4612-1 for 105 degree door swing.
Order 4612-2 for 180 degree door swing.
Now available with ElectroLynx connectors.
Ex: 4612-1-2

UltraLine 4612 Power Transfer

Suspended with project fasteners for wood, hollow metal or aluminum doors.
Order 4612-1 for 105 degree door swing.
Order 4612-2 for 180 degree door swing.
Now available with ElectroLynx connectors.
Ex: 4612-1-2
**Electric Strikes**

- **7140**
  - Faceplate: 1-1/4” x 4-7/8”
  - Case: 1” x 3-3/8” x 1-9/16”
  - Strike Opening: 5/8” x 1-7/16” x 1/2”
  - Fire-Rated for 3 Hours

- **7160**
  - Faceplate: 1-1/4” x 4-7/8”
  - Case: 1” x 3-3/8” x 1-7/8”
  - Strike Opening: 5/8” x 1-7/16” x 1/2”

- **7170**
  - Faceplate: 1-1/4” x 4-7/8”
  - Case: 1” x 3-3/8” x 1-7/8”
  - Strike Opening: 5/8” x 1-7/16” x 1/2”
  - Fire-Rated for 3 Hours

**Features**

- One Ton Jaw Strength
- 2-Hour UL 10B/10C Fire-Rated Models
- Modular Strike Selection
- UL Listed for Burglary Resistance
- Field-Reversible for Fail-Safe/Secure
- 7400 Opens Electrically Under 30lbs. of Preload

**Faceplate Specifications**

- **7140**
  - 1-1/4” x 4-7/8”
  - Case: 1” x 3-3/8” x 1-5/8”
  - Strike Opening: 5/8” x 1-7/16” x 1/2”
  - Fire-Rated for 3 Hours

- **7246**
  - Faceplate: 1-1/4” x 4-7/8”
  - Case: 1” x 3-3/8” x 1-7/8”
  - Strike Opening: 5/8” x 1-7/16” x 5/8”

**Model Matrix**

<table>
<thead>
<tr>
<th>Applications</th>
<th>Jamb</th>
<th>Stile</th>
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<tbody>
<tr>
<td>Aluminum</td>
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<td>7101, 7131, 7401, 7431</td>
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<tr>
<td>Hollow Metal</td>
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<td>7140, 7170, 7110/11</td>
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</tr>
<tr>
<td>Aluminum</td>
<td>7101, 7131, 7401, 7431</td>
<td></td>
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</tbody>
</table>

**Options and Accessories**

- **Monitor Switches**
  - Monitoring strikes enable the operator to get visual or audible signal of the strike’s condition. Two sensor switches are added to the strike, allowing for a variety of configurations. Not available for the 7100 Series.

- **Lip Extensions**
  - For centerhung doors, thick doors or other conditions that vary from the “standard”. Available in a variety of lengths from 1-1/2” to 3”.

- **4403 Rectifier**
  - Converts low voltage AC current to DC of same voltage.

- **29-0218 Piezohorn**
  - Provides an audible indication that strike has been activated. Works with 12, 16 or 24 volt DC strikes.

- **4406 Transformer**
  - Converts 120VAC current to 12 or 24 VAC. Can be mounted to a standard electrical junction box.

- **74R1 and 74R2**
  - Available in a range of AC and DC. DC and AC Continuous units are silent. AC Intermitent units “buzz” on operation.

**Voltage**

<table>
<thead>
<tr>
<th>Number</th>
<th>Finish</th>
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<tbody>
<tr>
<td>628</td>
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<tr>
<td>605</td>
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<td>612</td>
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**Faceplate Finishes**

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<td>335 Black Anodized</td>
</tr>
<tr>
<td>119</td>
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</tr>
</tbody>
</table>

**Applications**

- **7100 and 7200 Series**
  - Volts AC: DC or AC Inter.
  - DC Voltage: 12 or 24 Volts
  - DC Current: 0.163 or 0.228
  - AC Power: 120V 0.440 or 0.578

**Liner**

- **7100 Series**
  - Volts AC: DC or AC Inter.
  - DC Voltage: 12 or 24 Volts
  - DC Current: 0.163 or 0.228
  - AC Power: 120V 0.440 or 0.578

*Options not available for the 7100 Series.*
Adams Rite has been manufacturing quality locks for over 100 years. Our deadbolts, deadlatches and related hardware provide reliable security for aluminum stile, hollow steel and wood doors. Where used in conjunction with a header or threshold bolt, Adams Rite’s MS® Deadbolt can achieve a two, three or four point locking system to suit any application.

**4016 Header Bolt (A)**
- The addition of the 4016 turns the MS1880/4950 combination into three points of locking in a single leaf.
- Available for aluminum and hollow metal doors only.

**4085 Header Bolt (B)**
- The addition of the 4085 turns the MS1850Sn/4950 combination into a three point deadlatch in pairs of doors. Projected when MS1850 is thrown and retracts when deadbolt is retracted.

**4015 Threshold (C)**
- Can be used with single or pairs of doors to provide a second lock point.
- The addition of the 4015 turns the MS1850Sn/4085/4015 combination into a three point deadlatch in pairs of doors. Projected when MS1850 is thrown and retracts when deadbolt is retracted.

**MS1880/MS1950 (D)**
- The original Maximum Security Deadlatch. Bolt throw and special over center mechanism make this bolt nearly impossible to force or pry.
- MS1880/MS1950 is similar to the MS1850/SN, but is made really is ideal for wood or hollow steel ANSI door preparations.
- MS1950 has all stainless steel case and internal components.

**45104900 Series**
- Fits bottom clear of full glass doors with as little as 1-5/8” clear depth.
- Available with stainless steel strike.

**4900/4500 Series**
- The heavy-duty 4900 Deadlatch for aluminum stile doors features 1-3/4” solid brass latchbolt that is removable by simply removing a screw with a standard screwdriver. Normally fitted with cylinder escutcheon and lever or paddle escutcheon to allow traffic control. The latch can also be held retracted for emergency access.

**4920AN**
- Available for wood and hollow metal doors with ANSI prep.

**4500**
- Standard duty deadlatch for aluminum stile doors.

**Auto-Release Two-Point Flushbolt**
- Operates in conjunction with any MS® pivot bolt.
- In wood doors, uses standard mortise cylinder with Adams Rite dimensional cam.
- MS2180 has an hourglass-shaped turn for firm fingergrip.
- MS2181 features a flush escutcheon.

**Two-Point Flushbolt**
- MS2180/2290 Dual Force® Interconnected Deadbolt/Deadlatch
- The Dual Force 2190/2290 is designed to fit any Adams Rite MS® deadbolt (except for 7/8” backset) and is in meet ADA guidelines. The latch bolt and deadbolt lock and unlock the deadbolt and a paterned cam returns it to the horizontal position. Built-in exit indicator gives a quick confirmation of door’s status. Fast, simple installation.

**Cylinder operated flushbolt**
- MS1871
  - A solid flushbolt, gives keys control of the inactive leaf of a store front type metal glass door.
  - Uses standard mortise cylinder with Adams Rite dimensional cam.

**Bottom rail deadbolt**
- MS1861 is designed to fit any Adams Rite MS® deadbolt (except for 7/8” backset) and is in meet ADA guidelines. It is a standard duty deadlatch that vertical bolts are thrown before MS® pivot bolt.

**Two-point flushbolts**
- MS1880/MS1880/MS1881
  - MS1880/MS1881 has a “hourglass” turn with indicator.

**Two-point flushbolts**
- MS1880/MS1881 has a small lever turn with indicator.

**4085 Header Bolt (B)**
- MS1800/4950 Series

**4015 Threshold (C)**
- MS1800/4950 Series

**4591 Deadlatch Paddle**
- Fits bottom clear of full glass doors with as little as 1-5/8” clear depth.
- Available with stainless steel strike.
**SWINGING DOOR HARDWARE**

### The 4600 Heavy-Duty Designer Handles

Combine aesthetics, functionality and strength in a compact package crafted to match the classic lines of a narrow stile door. The 4600 offers a wide range of lever designs and finishes. The 4600 Series operates with 4300, 4500 and 4900 Series latches as well as the DualForce 2190/2290 interconnected locks, with either an upward or downward motion.

<table>
<thead>
<tr>
<th>Standard Levers</th>
<th>Designer Levers</th>
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<tbody>
<tr>
<td><img src="4600" alt="Image" /></td>
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</tr>
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</table>

### Eurostyle deadlatch handles

For MS1847 MS1950 Series latches (includes cam plug) MS 9190/9191. Easily removable for MS 9190 size. 4560 has red return type lever. Other Eurostyle handles also available.

### Deadlatch handles

Handles operate 4900/4500 Series latches by a natural downward movement. Can also be used without cam plug for MS 1910 latch. 4560 zinc alloy lever shaped to fit the hand. 4565K quadrant for a firm, fingertip grip.

### Eurostyle deadlatch handles

For MS1847 MS1950 Series latches (includes cam plug) MS 9190/9191. Easily removable for MS 9190 size. 4560 has red return type lever. Other Eurostyle handles also available.

### Reinforcing Pivots

A reinforcing panel big enough support to the top of the door where most stress is concentrated with the conventional latch system. It can be easily installed by maintenance personnel, and comes with the necessary fasteners.

### 4189/4190 all metal

For door bypassing, stacked to pocket metal slides. Deadbolt similar to MS1847. 4189 has additional key cylinder outside. Finish: Satin Black ABS resin.

### 4430/4431 ABS plastic

Similar to 4189/4190 and identical in size and style, 4431 is in line operation only. Finish: Satin Black ABS resin.

### 4024/25

Cylinder pulls

5-pin insert cylinder for MS1847 in a block that slides on an exterior door pull. 4024 has smaller, symmetrical lock for MS17 Specialty lock. Cylinder on both sides is possible with model 4225/4225 set.

### 5017

Wood door deadbolt

For wood stile sliding glass doors. Similar to MS1850 for metal doors but with deeper backset to clear recessed jamb pocket of wood sliders. Bolt throw is adjustable by a screw in the faceplate.

### 4570

Latch operator

This new hardware set was designed for hospital ICU wards. Lever by lever operation of Adams Rite 5017 or MS1847-11 is quick and natural.

### 2331

Sliding door deadbolt

For wooden or metal sliding doors. Single turn thumb knob with stainless steel deadbolt that locks behind brass strike plate. There is no self-latching action.

### 1000 Series

**Flush Locksets**

- MS1850S-050
- MS1850S-050

**MS1850S-050** (Full Stainless)

The deadbolt design for sliding doors has over-centering in deep pull and a stylish laminated stainless steel plate to resist entry from any direction. MS1850-B812 has all stainless steel case and internal components.

### Exit indicator

An easy way to check the status of your door. For use with any MS® Deadbolt (MS1850S-050).

### Armored strike

Maximum security striker for any MS® Deadbolt. Combines Model 4000 Trim Strike with steel reinforcing plate which is installed in the jamb up to 3 inches to prevent “jamb peeling.” Can be used with any and three point systems.

### 4560

Handles operate 4900/4500 Series latches by a natural downward movement. Can also be used without cam plug for MS 1910 latch. 4560 zinc alloy lever shaped to fit the hand. 4565K quadrant for a firm, fingertip grip.

### MS4002

MS1847

Deadbolt for metal triple glass patio doors. Extremely compact stainless steel case 1/2" thick. 1/10" deep with 3-ply stainless steel bolt. A buffer and pulling or lifting force. Bolt is adjustable to compensate for setting or door/glass misalignment. A self-popping feature retracts bolt if door is slammed while bolt is in thrown position. Also available in self-latching version.

### MS1847

Wood door deadbolt

For wood stile sliding glass doors. Similar to MS1847 for metal doors but with deeper backset to clear recessed jamb pocket of wood sliders. Bolt throw is adjustable by a screw in the faceplate.

### Flared locksets

- MS1850S-050
- MS1850S-050

**MS1850S-050**

Similar to MS1850-050 but with faceplate and measuring flanges for ANSI greg on wood or hollow metal doors.

### 4024/25

Cylinder pulls

5-pin insert cylinder for MS1847 in a block that slides on an exterior door pull. 4024 has smaller, symmetrical lock for MS17 Specialty lock. Cylinder on both sides is possible with model 4225/4225 set.

### 5017

Wood door deadbolt

For wood stile sliding glass doors. Similar to MS1850 for metal doors but with deeper backset to clear recessed jamb pocket of wood sliders. Bolt throw is adjustable by a screw in the faceplate.

### 4570

Latch operator

This new hardware set was designed for hospital ICU wards. Lever by lever operation of Adams Rite 5017 or MS1847-11 is quick and natural.