

Integrated Door  
Assemblies

Door Hardware

Access Control  
Devices

Electric Strikes

Exit Devices



**ASSA ABLOY**



ASSA ABLOY, the global leader  
in door opening solutions



# IMAGINE THE RITE DOOR®

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



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



The RITE Door with Vision Lites and Kick Plates.

## Types of Operating Hardware

Inset Exit Device



Inset Push/Pull



Dual Lever



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

Type of Exit Device	Application and Rating		
	3 Hour Standard Pairs 8'0" x 10'0"	3 Hour Double Egress 8'0" x 10'0"	3 Hour Single Doors 4'0" x 10'0"
CVR	3600 3600T	3600 3600T	
SVR	3100 3100T	3100* 3100T	
MORTISE			3300
RIM			3700

\* 8'0" x 8'0"

### Fire-Rated Exit Devices for Wood Doors

Type of Exit Device	Application and Rating				
	90 Minute Double Egress 8'0" x 9'0"	90 Minute Standard Pairs 8'0" x 9'0"	90 Minute Single Doors 4'0" x 9'0"	90 Minute Single Doors 4'0" x 10'0"	20 Minute Single Doors 4'0" x 9'0"
CVR	3900	3900	3900		3900
SVR	3100* 3100W*	3100 3100W	3100W**	3100	3100 3100W
MORTISE				3300	3300
RIM				3700	3700

\* 8'0" x 8'0"

\*\*4'0" x 8'0"

### Complete Listing of Available Finishes

US3	Bright Brass	US32	Bright Stainless	313	Dark Bronze Anodized	628	Satin Aluminum
US4	Satin Brass	US32D	Satin Stainless	335	Black Anodized		

### 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 Life-safety
- 8100T with Top Rod Only For wood and hollow steel doors.



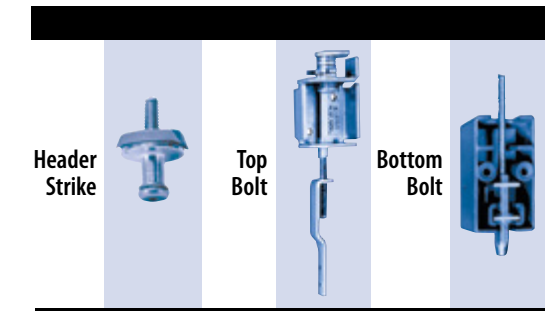
8200

#### Narrow Stile Surface Vertical Rod Exit Device BHMA Type 5

- 8200 Life-safety For aluminum stile glass doors.



### Features



### Mortise Type



3300 🔥 /8300

#### Mortise Exit Device BHMA Type 3

- 3300 Fire-rated
- 8300 Life-safety For wood and hollow steel doors.



8400

#### Narrow Stile Mortise Exit Device BHMA Type 10

- 8400 Life-safety
- 8475 Inset mid-panel\* For aluminum stile glass doors.
- \*Requires special door construction. Consult factory.



### Strikes

	Wood and Hollow Steel	Aluminum Stile Glass
Standard		
Extended Lip		
Open Back		

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




Concealed Vertical Rods

**3600** 🔥 /8500

**Metal Door Concealed Vertical Rod Exit Device BHMA Type 8**

**3600** Fire-rated  
**3600T** with Top Rod Only  
**8500** Life-safety  
**8500T** with Top Rod Only  
 For hollow steel doors.



**8600**

**Narrow Stile Concealed Vertical Rod Exit Device BHMA Type 6**

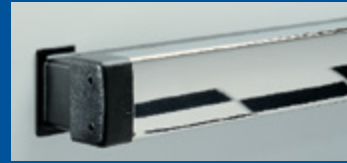
**8600** Life-safety  
**8675** Mid-panel\*  
 For aluminum stile glass doors.  
 \*Requires special door construction. Consult factory.



**3900** 🔥 /8900

**Wood Door Concealed Vertical Rod Exit Device BHMA Type 7**

**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



**8650 Escutcheon**  
 Required to mount any standard mortise cylinder, with MS® Cam, on outside of door. Required only for Concealed Vertical Rod exit devices.



Rim Mounted

**3700** 🔥 /8700

**Rim Exit Device BHMA Type 1**

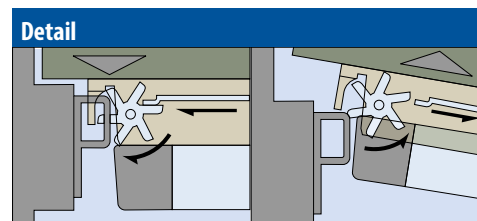
**3700** Fire-rated  
**8700** Life-safety  
 For wood and hollow steel doors.



**8800**

**Narrow Stile Rim Exit Device BHMA Type 4**

**8800** Life-safety  
 For aluminum stile glass doors.

When door closes, the nose-guard and starwheel 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.

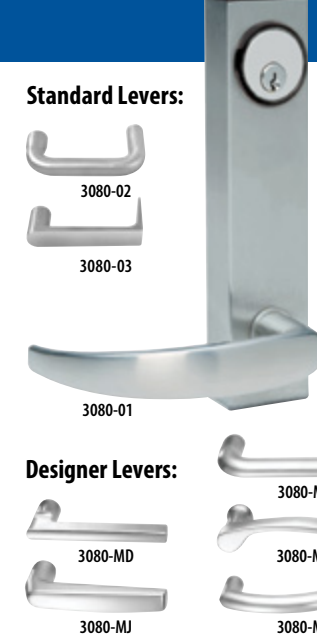
Entry Trim

**Standard Levers:**

**3080-02**  
**3080-03**  
**3080-01**

**Designer Levers:**

**3080-ME** **3080-MV**  
**3080-MD** **3080-MN** **3080-MI**  
**3080-MJ** **3080-MG** **3080-MW**



**3080 Series**

Each model shares the same core components, so levers can be changed without having to replace the entire trim. A breakaway clutching mechanism protects the handle from vandalism or forced entry. Available in a wide range of architectural finishes to match the pushbar. Order with or without a cylinder hole.

**3080E Series Electrified**

eTrim™ allows doors to remain locked, but can be remotely unlocked in the event of a fire or other emergency. Specify 12 or 24 VDC. Order with or without a cylinder hole.

**Fixed Pulls**



**3001/3002**  
 Satin stainless steel pulls have 2-3/4" x 11-1/2" escutcheon. Order with or without a cylinder hole. For steel and wood doors.  
**3001** Tubular pull  
**3002** Flat cross-section

Options and Accessories

**Monitor/Signal Switch**



A single or dual (SPDT) switch can be mounted on the hinge end of the pushbar to activate lights, horns, monitors or maglocks. Can be factory installed or retrofit in the field to existing exit devices.

**Motorized Latch Retraction**



The SE motorized latch retraction option boasts not only near-silent operation, but a low current draw (.4 amps run .2 amps hold) that allows for lighter gauge wiring and a reduced amperage power supply. Delivers up to 100 lbs preload release. Available with the 3000, 8000 Series Exit Devices and the RITE Door®. Order PS-SE Power Supply separately. (PS-SE powers 2 devices). Rated for continuous duty.

**Electric Dogging**



A holding magnet allows the dogging of life-safety and fire-rated exit devices when energized. Manually depressing the bar holds the device in the dogged position. Turning off the power to the device returns the bar to the latched position. Requires 24 VDC power.

**Monitored Pushbars**



**8099M Pushbar**  
 Pushbar with no latching mechanism on doors not requiring an exit device. Wired with a single (M1) or dual (SPDT) monitor/signal switch (M2).

**Alarmed Exit Device**



Emits a loud alarm to notify of any unauthorized exit. Will not alter the life-safety characteristics of the exit device.  
 Available options: self-contained alarm with four AA batteries or hardwired alarm with Nicad battery back-up.

**Cylinder Dogging**



For all non-rated Adams Rite Exit Devices. For control of dogging by using any standard 15/16" to 1-1/8" mortise cylinder with MS® cam. Cannot be used with Alarm or LR option.



**PS-SE for Latch Retraction**

Operates at 24 VDC to power up to two SE exit devices in sequential or independent modes.  
Order BBK-SE for Battery Backup Kit.  
Designed to accommodate two 7AH sealed lead acid batteries (not included).



**PS-1 Power Supply**

The enclosure accommodates two sealed lead acid batteries.  
12/24 VDC regulated and 1 AMP.

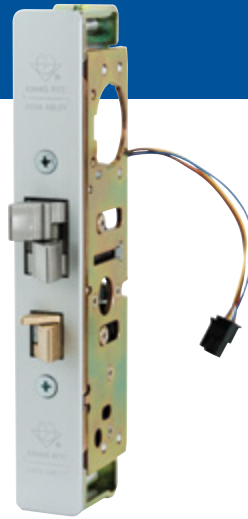


**Steel Hawk 4300 eLatch**

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 winged technology.

The Steel Hawk retrofits to 4900 / 4500 / 4700 Adams Rite deadlatches using the same strike, and is compatible with existing handles, paddles and levers, including the new 4600 Series Designer Handles.

The Steel Hawk 4300 also retrofits Adams Rite MS series Deadbolts using a special no-cut surface mounted strike.



**eForce®-150, eForce® Prox/iCLASS™ (3090P/3090C) and eForce® Aperio™**

eForce is a series of battery-operated keyless entry controls for Adams Rite deadbolts, deadlatches and exit devices that are compatible with aluminum stile, steel and wood door applications.

The eForce-150 accommodates up to 150 users and features an outdoor-rated keypad, while the eForce Prox/iCLASS™ model features an integrated HID® Prox Contactless Card Reader that Interfaces with any Wiegand protocol access control system.

A third option, the new A100 with Aperio technology can wirelessly upgrade a mechanical door to a fully-functioning online door, greatly improving the controllability and security level of the premises. The Aperio enabled eForce is easily integrated with most access control systems regardless of manufacturer.



Adams Rite is known around the world for durable and reliable door hardware. Our latest line of premium electric strikes, the UltraLine 7400 series, casts that reputation in solid steel. UltraLine Strikes feature an adjustable split-jaw design, and can operate with up to 30lbs. of door "preload" that can disable other electric strikes. Our 7100 Grade 1 Series is our basic strike, with models for a variety of latches.

The 7200 Series is for applications where a 3 hour fire-rating is desired. For shallow jamb installations, the UltraLine 7400 Series also features an ultra-compact case. Faceplates are available in an attractive range of architectural finishes, and a number of options give you even more installation flexibility. For any application, Adams Rite has the electric strike to fit any need, with unmatched dependability.

**7400 ULTRA LINE Grade 1 Series Electric Strikes**



**7400/7401**  
**Faceplate**  
1-1/4" x 4-7/8"  
**7400** Flat  
**7401** Radiused  
**Case**  
1-13/32" x 3-3/8" x 1-1/16"  
**Adjustable Strike Opening**  
5/8" – 13/16" x 1-7/16" x 1/2"



**7410/7411**  
**Faceplate**  
**7410** 1-7/16" x 7-15/16"  
**7411** 1-7/16" x 10-1/4"  
**Case**  
1-13/32" x 3-3/8" x 1-1/16"  
**Adjustable Strike Opening**  
5/8" – 13/16" x 1-7/16" x 1/2"



**7430/7431**  
**Faceplate**  
1 1/4" x 6 7/8"  
**7430** Flat  
**7431** Radiused  
**Case**  
1-13/32" x 3-3/8" x 1-1/16"  
**Adjustable Strike Opening**  
5/8" – 13/16" x 1-7/16" x 1/2"



**7440**  
**Faceplate**  
1-1/4" x 4-7/8"  
**Case**  
1-13/32" x 3-3/8" x 1-1/16"  
**Adjustable Strike Opening**  
5/8" – 13/16" x 1-7/16" x 1/2"



**74R1**  
**Mounting Plate/Housing**  
1-3/4" x 9 x 11/16"  
**Case**  
1-13/32" x 3-3/8" x 1-41/64"  
**Strike Opening**  
5/8" x 1-7/16" x 9/16"



**74R2**  
**Mounting Plate/Housing**  
1-5/8" x 9 x 1/2"  
**Case**  
1-13/32" x 3-3/8" x 1-19/32"  
**Strike Opening**  
5/8" x 1-7/16" x 1/2"

**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. Completely concealed when the door is closed, they have a stamped steel housing and spring steel conduit, with a steel knife 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 Co., 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](http://www.securitron.com).



**4612 Power Transfer**

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.  
Now available with ElectroLynx connectors.  
Ex. 4612EL-1

**7100 Grade 1 Series and Fire-Rated 7200 Series**



**7100/7101**  
**Faceplate**  
1-1/4" x 4-7/8"  
**7100** Flat  
**7101** Radiused  
**Case**  
1" x 3-3/8" x 1-5/8"  
**Strike Opening**  
5/8" x 1-7/16" x 1/2"



**7110/7111**  
**Faceplate**  
**7110** 1 7/16" x 7 15/16"  
**7111** 1 7/16" x 10 1/4"  
**Case**  
1" x 3-3/8" x 1-5/8"  
**Strike Opening**  
5/8" x 1-7/16" x 1/2"



**7130/7131**  
**Faceplate**  
1-1/4" x 6-7/8"  
**7130** Flat  
**7131** Radiused  
**Case**  
1" x 3-3/8" x 1-5/8"  
**Strike Opening**  
5/8" x 1-7/16" x 1/2"





**7140**

**Faceplate**  
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"



**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 5/8"




**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 5/8"



**7240** 🔥

**Faceplate**  
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 9/16"

🔥 **Fire-Rated for 3 Hours**



**7270** 🔥









**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"

🔥 **Fire-Rated for 3 Hours**

Features

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

\* 7100 and 7400 Series Only

Model Matrix

Applications	Jamb			Stile
	Aluminum	Hollow Metal	Wood	Aluminum
ADAMS RITE DEADLATCH	7100, 7130, 7110/11 7400, 7410/11, 7430	7140, 7440	7110/11, 7140 7410/11, 7440	7101, 7131 7401, 7431
ADAMS RITE MORTISE EXIT DEVICE	7400	7440	7440	
CYLINDRICAL LOCK	7100, 7110/11 7400, 7410/11	7140, 7240 7440	7110/11, 7140 7410/11, 7440	
MORTISE LOCK (WITHOUT DEADBOLT)	7160	7170, 7270	7170	
RIM PANIC DEVICES (BY OTHERS)	74R1, 74R2*	74R1	74R1	

\*for Narrow Stile Rim Exit Devices with 1/2" Pullman Latch Throw

7400 Series

Number	Finish
628	Clear Anodized
605	Bright Brass
612	Satin Bronze
611	Bright Bronze
313	Dark Bronze Anodized
335	Black Anodized
629	Bright Stainless
630	Satin Stainless
606	Satin Brass

7100 Series

Number	Finish
628	Clear Anodized
313	Dark Bronze Anodized
335	Black Anodized

7200 Series

Number	Finish
626	Satin Chrome
630	Satin Stainless
<b>74R1 and 74R2</b>	
Ritecoat Number	Finish to Match
130	628 Clear Anodized
121	313 Dark Bronze Anodized
119	335 Black Anodized

Consult factory for special finishes.  
Not all finishes available for all strikes.

Voltage

Available in a range of AC and DC. DC and AC Continuous units are silent, AC Intermittent units "buzz" on operation. The unit must be supplied with the rated voltage when being operated. This means proper gauge wire for its length of run and a transformer rated for the current requirements of the strike.

Current Draw/Amps

7100 and 7200 Series			7400 Series		
Volts	AC Int.	DC or AC Cont.	Volts	AC	DC
12	1.42	0.33	12	0.163	0.440
16**	1.03	0.22	16	0.228	0.458
24	0.74	0.17	24	0.084	0.230

\*\*Option not available for the 7100 Series.

Options and Accessories



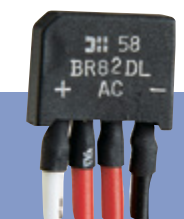
Monitor Switches

Monitoring strikes enable the operator to get a 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.



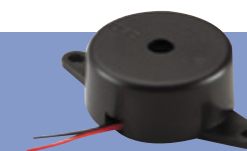
Lip Extensions

For centering doors, thick doors or other conditions that vary from the "standard". Available in a variety of lengths from 1-1/2" to 3".



4603 Rectifier

2 amp 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.



4606 Transformer

Converts 120 VAC current to 24 VAC (40VA) only. Plugs into a standard wall outlet.



4605 Dual-Voltage Transformer

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

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. When 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 MS1850S/4015 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 MS1850S/4015 combination into a three point lock in a pair of doors. Projected when MS1850S 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. This accessory adds a stainless steel bolt to the threshold of the opening.  
Available for aluminum and hollow metal doors only.



**MS1850S/SN/MS1950 (D)**  
**MS® Deadbolt**

The original Maximum Security Deadbolt. Bolt throw and special over center mechanism makes lock nearly impossible to force or pry.  
MS1850SN is similar to the MS1850S, but is more easily installed in wood or hollow steel ANSI door preparations.  
MS1950 has **all stainless steel** case and internal components.



**4900/4500 Series**  
**4900**  
The heavy duty 4900 Deadlatch for aluminum stile doors features 5/8" solid brass latchbolt that is reversible by simply removing a screw with a standard screwdriver. Normally fitted with cylinder outside and lever or paddle inside to allow traffic control. The latch can also be held retracted for unrestricted access.  
**4920AN**  
Available for wood and hollow metal doors with ANSI prep.  
**4510**  
Standard duty deadlatch for aluminum stile doors.



**2190/2290 Dual Force® Interconnected Deadbolt/Deadlatch**  
The Dual Force 2190 for aluminum stile doors and the Dual Force 2290 mortise lock for stile and rail steel and wood doors, combine the access control capabilities of a latch with the security of a deadbolt. The key retracts and extends the deadbolt (and deadlatch) from either side. The exterior lever retracts the latch only, while the inside lever retracts the deadbolt and latch simultaneously for fast, easy, panic-proof exiting.



**MS2180**  
**Auto-Release Two-Point Flushbolt**  
Operates in conjunction with any MS® pivoting deadbolt, and is used instead of manual (flip lever) flushbolts in the inactive leaf of door pairs. One turn pins the inactive leaf into position. The MS2180 has an hourglass-shaped turn for firm finger grip.  
**MS2181** has a small lever turn with indicator.  
**MS2182** features a flush operator.



**1870 Series**  
**Cylinder operated flushbolt**  
1871 unlike flip-lever flushbolts, gives key control of the inactive leaf of storefront type metal glass doors. Uses standard mortise cylinder with Adams Rite dimensional cam.  
**1870HM** for use on hollow steel doors.  
**1877** for use on wood doors.



**MS1861**  
**Bottom rail deadbolt**  
Fits in bottom shoe of stileless tempered glass doors or ultra-narrow stile doors. Small round threshold strike hole for safety and debris-free operation.  
**1861-01** has vertical bolt only.  
**1861-02** has vertical and horizontal bolt.



**MS1880/81**  
**Two-point flushbolts**  
Operates in conjunction with MS1851S deadlock in active leaf of metal stile glass paired doors. Blocking device assures that vertical bolts are thrown before MS® pivot bolt.  
**MS1880** has an "hourglass" turn with indicator.  
**MS1881** has a small lever turn with indicator.



**4590 Deadlatch Paddle**  
Available to operate 4900/4500 series latches or MS+1890 lock/latch. Suitable for access by disabled persons; pushes or pulls in direction of door swing rather than conventional levers with a down-then-out motion.



**4781 Two-Point Paddle Latch**  
For paired, outswinging aluminum stile glass doors. Concealed vertical rods that latch at header and threshold are released by a push paddle.  
Outside key entry available with mortise cylinder and escutcheon.  
Turning a hex screw in the paddle escutcheon will dog the paddle.



**4591 Deadlatch Paddle**  
Same features and smooth operation as the 4590 paddle, in a more contemporary design. Hex key dogging standard.



**1830**  
Fits bottom shoe of full glass door with as little as 1-5/8" clear depth. Available with stainless steel strike.



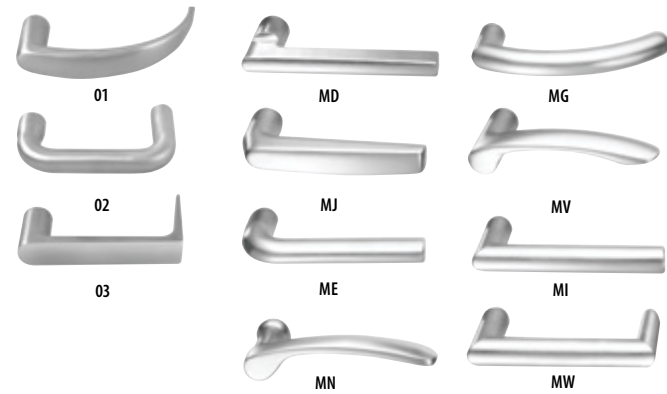
**4550 MS® Deadbolt Lever**  
Designed to fit any Adams Rite MS® deadbolt (except for 7/8" backset) and to meet ADA guidelines. The clutched handle locks and unlocks the dead bolt and a patented cam returns it to the horizontal position. Built-in exit indicator gives a quick confirmation of door's status. Fast, simple installation.

**The 4600 Heavy-Duty Designer Handles**

Combine aesthetics, functionality and strength in a compact package crafted to match the clean 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 Dual Force 2190/2290 interconnected locksets with either an upward or downward motion.



**Standard Levers: Designer Levers:**



**Eurostyle deadlatch handles**

For 4900/4500 Series latches (includes cam plug) or MS+1890 (without cam plug). Easily reversible for RH or LH use. 4569 has end return type lever. Other latch handles also available.



4568

**Exit indicator**

The exit indicator is an easy way to check the status of your door. For use with any MS® Deadlock, MS1850/MS1950.



4089

**MS4002**

**Armored strike**

Maximum security strike for any MS1850S deadbolt. Combines Model 4000 Trim Strike with steel reinforcing plate which is installed inside hollow jamb section to prevent "jamb peeling". Can be used with two and three point systems.



MS4002

**Deadlatch handles**

Handles operate 4900/4500 Series latches by a natural downward movement. Can also be used, without cam plug, for MS+1890 latch. 4560 zinc alloy lever shaped to fit the hand. 4565 thumbturn for a firm, fingertip grip.



4560



4565

**B1921/B1923**

**Reinforcing Pivots**

A reinforcing pivot hinge adds support to the top of the door where most stress is concentrated with the conventional butt hinge system. It can be easily installed by maintenance personnel, and comes with the necessary fasteners.



**MS1850S-050**

**MS® Deadbolt**  
**MS1850S-050**  
**MS1950-050** (Full Stainless)

The hookbolt design for sliding doors has over-center locking and an 8-ply laminated stainless steel bolt to resist entry from any direction. MS1950-050 has all stainless steel case and internal components.



**MS1850SN-050**

**ANSI size MS® Deadbolt**  
**MS1850SN-050**

Similar to MS1850S-050 but with faceplate and mounting flanges for ANSI prep on wood or hollow metal doors.



**2331**

**Sliding door deadbolt**

For wood or metal sliding doors. Single turn of key or thumbturn projects a massive brass bolt with stainless steel dogs that lock behind brass strike plate. There is no self-latching action.



**MS1847**

**Deadbolt**

For metal/glass patio doors. Extremely compact stainless steel case (1/2" thick, 1 1/8" deep) with 3-ply stainless steel bolt resists a half ton of pulling or lifting force. Bolt is adjustable to compensate for settling or door/jamb misalignment. A self-protecting feature retracts bolt if door is slammed while bolt is in thrown position. Also available in self-latching version.



**5017**

**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.



**4570**

**Latch operator**

This new hardware set was designed for hospital ICU wards. Lever by lever operation of Adams Rite 5017-02 or MS1847-11 is quick and natural.



4189/90

4430/31

**Flush Locksets**

**4189/4190 all metal**

For close bypassing, stacked or pocket metal sliders. Deadbolt similar to MS1847. 4189 has inside slide button operation only. 4190 has additional key cylinder outside.

**4430/4431 ABS plastic**

Similar 4189/4190 and identical in size and stile prep. 4430 is inside operation only. 4431 has key cylinder outside. Finish: Satin Black ABS resin.



**4024/25**

**Cylinder pulls**

5-pin insert cylinder for MS1847 in a block that serves as an exterior door pull. 4024 has smaller, symmetrical lock. For 5017 specify 4026. Cylinder on both sides is possible with modified 4025 x 4025 set.



**1000 Series**

**Turns**

For operating MS1847 or 5017 deadbolts. 1000-01 and 1000-02 are pushnut mounted to a door pull or trim plate. 1000-11 and 1000-21 both have escutcheon to mount directly to door.



ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience



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