**BHMA TYPE 10**

Narrow Stile Mortise Exit Device

For Aluminum Doors

8400 Series

**Features:**

- Heavy duty deadlatching mechanism
- Pushbar clad or anodized, not plated, in a variety of finishes
- Easy to install
- Clean, unobtrusive design
- Strong, durable construction for a high level of security

**CERTIFICATIONS:**

- Life-Safety Listing
- ANSI/BHMA A156.3 Grade 1
- California State Fire Marshall
- New York City MEA*

* Consult factory for specific number

260 Santa Fe Street
Pomona, California 91767
(800) 872-3267  Fax:(800) 232-7329
www.adamsrite.com
Features & Dimensions

Narrow Stile Mortise Exit Device

ANSI/BHMA
Grade 1

Handing
Specify handing and bevel if applicable. Lever Entry Trim is field reversible.

Pushbar Length
Standard Sizes: Dimensioned for 30”, 36”, 42” & 48” openings. Standard width bars can be field cut to the next smallest opening width. Backsets available in 31/32”, 1-1/8”, 1-1/2”.

Door Thickness
Suits 1-3/4” standard. Can be modified for thicker doors.

Stile Width
Minimum 2” Stile. Fits Narrow, Medium and Wide Stile aluminum doors.

Projection
2-5/8” when fully projected, 1-5/8” when dogged.

Materials
Pushbar made of extruded aluminum, clad or anodized in a variety of finishes.

Dogging
Standard dogging with hex key or cylinder dogging option. Electric dogging also available.

Fasteners
Standard self-tapping screws.

Strike
Made of stainless steel. Supplied with exit device. See Strike options below.

Cylinders (order separately)
Cylinder x Fixed Pull:
(Function 03)
Accepts any standard Mortise cylinder. Entry Lever or Thumbturn:
(Function 08, 09, 11, 12)
Accepts any standard diameter Mortise cylinder with M5® cam. Accommodates cylinder lengths from 1” to 1-1/4”.

Warranty
Five year limited.

Available Finishes

<table>
<thead>
<tr>
<th>Finish</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>313</td>
<td>Dark Bronze Anodized</td>
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<tr>
<td>335</td>
<td>Black Anodized</td>
</tr>
<tr>
<td>628</td>
<td>Clear Anodized</td>
</tr>
<tr>
<td>US3</td>
<td>Bright Brass</td>
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<tr>
<td>US4</td>
<td>Satin Brass</td>
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<tr>
<td>US9</td>
<td>Bright Bronze</td>
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<tr>
<td>US10</td>
<td>Satin Bronze</td>
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<td>10B</td>
<td>Dark Bronze (Trim only)</td>
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<td>US32</td>
<td>Bright Stainless</td>
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<tr>
<td>US32D</td>
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Consult factory for special finishes.

Pushbar Dimensions

8400
The 8400 was designed to fit standard cutout used for the Adams Rite M5® Deadbolt on aluminum stile glass doors. Backsets available: 31/32”, 1-1/8” & 1-1/2”.

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

Standard Strike
8460-17 (Included)

Extended Lip
8455-01 (Optional)

Longface
Specify Dim.”A”

When Replacing Deadbolt Strike Prep

8475 Midpanel
The Mortise exit device is also available for use with a Midpanel design. Consult factory for applications.
### ANSI/BHMA Functions:

<table>
<thead>
<tr>
<th></th>
<th>01</th>
<th>02</th>
<th>03</th>
<th>08</th>
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<th>11</th>
<th>12</th>
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<tr>
<td></td>
<td>Exit Only, No Trim</td>
<td>Pull Only When Dogged</td>
<td>Key Retracts Latchbolt</td>
<td>Key Locks Lever</td>
<td>Key Locks Lever</td>
<td>Key Locks Thumbturn</td>
<td>Key Locks Thumbturn</td>
<td>Passage Set</td>
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<td>Night Latch</td>
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### CYLINDER TYPE

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<td>01</td>
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<td>- Night Latch</td>
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</table>

Please see page ED-10 for Pulls and Entry Trim, plus Entry Trim Ordering Matrix.

**Thick and Cladded Door Kits**

- **91-0995-02** – 2” Thick Door Kit
- **91-0995-03** – 2-1/4” Thick Door Kit
- **91-0995-04** – 2-1/2” Thick Door Kit
- **91-0995-05** – 2-3/4” Thick Door Kit
- **91-0995-06** – 3” Thick Door Kit
- **91-0325-01** – Thermal Door Kit - 1/4” Cladding
- **91-0325-02** – Thermal Door Kit - 1/2” Cladding

*Order 8460-xx Long Lip Strike as required*

### Ordering Matrix

**8400 Series - Life Safety for Aluminum/Glass Doors**

**8475 Mid-Panel For Aluminum/Glass Doors**

Backset for 8400 is variable.

8400/8475 1-1/8” - 1-1/2” backsets include faceplates to cover flat, bevel and radius applications.

<table>
<thead>
<tr>
<th>Face Shape</th>
<th>Pushbar Finish</th>
<th>Door Opening Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 Flat</td>
<td>628 Clear Anod.</td>
<td>On pair of doors, specify half of total exit opening</td>
</tr>
<tr>
<td>2 Bevel</td>
<td>313 Dark Bronze Anod.</td>
<td>30 inches</td>
</tr>
<tr>
<td>1 Radius</td>
<td>335 Black Anod.</td>
<td>36 inches</td>
</tr>
<tr>
<td>4 Radius w/weatherstrip</td>
<td>0 US Finish</td>
<td>42 inches</td>
</tr>
<tr>
<td></td>
<td>31/32”</td>
<td>48 inches</td>
</tr>
</tbody>
</table>

Specify Series 7 RHR 8 LHR

Faceplate Finish

- **1 628 Clear Anodized**
- **2 313 Dark Bronze Anodized**
- **3 335 Black Anodized**
- **0 US Finish**

Backset (8400 only)

- **2 31/32”**
- **3 1-1/8”**
- **4 1-1/2”**

Add Dash No. for US Finish

- **US3** Bright Brass
- **US4** Satin Brass
- **US9** Bright Bronze
- **US10** Satin Bronze
- **US32** Bright Stainless
- **US32D** Satin Stainless

If required, specify cylinder and other trim separately.
Options & Accessories

Narrow Stile Mortise Exit Device

Order by adding suffix to Exit Device in place of hyphen or by separate model number.

### Monitor/Signal Switch

**M1 - Single Switch**

**M2 - Dual Switch**

A switch in the exit device pushbar mounted on the hinge end. Switch can be used to activate signal light, horn, monitor or other devices. Most common application is to release maglock when pushbar is depressed. Switch can be wired for normally open or normally closed depending upon application. Can be retrofitted to existing exit device. Dual switch version offers redundancy as required by some building codes or the option of operating a second signaling device.

Specify by adding “M1” or “M2” after exit device model number.

Monitor Kits for upgrading any 3000 or 8000 Series device:

- 91-0897-01 - Single Switch
- 91-0897-02 - Dual Switch

### Alarmed Exit Device

This option emits a loud alarm to notify management of unauthorized exit. Will not alter the Life-Safety characteristics of the exit device in any way. Control of the alarm is by use of a key in any standard Mortise cylinder with MS® cam to arm, disarm, delay or reset the alarm. Red letters on the bar give a “hands off” warning to deter accidental actuation.

**Battery Operated Alarm**

Four AA alkaline batteries power a horn to create a piercing 95 decibel noise for two minutes (or until disarmed) when pushbar is depressed. Beeps to signal need for new batteries.

**Hardwired Alarm**

Can be connected to external horn for louder or remote signal. Remote monitor LED light can also be wired in, as can a door position proximity switch. Also accommodates an external delay switch, such as an outside key switch or pad, to allow authorized entry. Uses rechargeable nicad batteries connected to 12-24 Volt AC or DC source. Each bar has its own battery backup system.

Minimum opening width: 36”

### Electric Latch Retraction

The LR option uses a solenoid mounted in pushbar for instantaneous unlocking and locking of the exit device from a remote location or access control device. Because electrical operation of device is fail-secure, this option can be used on fire-rated as well as life-safety applications. In the event of a power failure device automatically retracts. Requires the use of PS-LR Power Supply, which will power two exit devices. (Using an alternate to the PS-LR Power Supply will void warranty).


**Solenoid Specifications:**

- 16 Amps inrush/.5 Amps Hold
- Solenoids are rated for both intermittent and continuous operation.
- Also see 4612 Power Transfer.

### Cylinder Dogging

For all Adams Rite Exit Devices

Cylinder Dogging kit can be used in a pushbar prepared at factory with Cylinder Dogging kit. Cannot be used with Alarm, EL or LR options.

Specify by adding “C” after exit device model number.

### Monitored Dummy Pushbar

8099M1 - Single Switch

8099M2 - Dual Switch

8099-00 - Dummy Only

Dummy pushbar with no latch mechanism but with either a single or dual monitor/signal switch. Most common application is in conjunction with a maglock where bar is used to turn off magnet and allow exit from building. Dual switch version allows redundancy where required by code or the operation of a signal device along with maglock. Specify door type and width when ordering. Available in all exit device finishes.

The 8099-00 is also available as a non-operating dummy for doors not requiring an exit device, but where matching trim is desired. Specify door type, opening width and finish to be matched.

### Electric Dogging

The “ED” option uses a holding magnet to keep the pushbar depressed [set manually] and the latch retracted. This gives a lower profile exit device, resulting in less damage and quieter operation. All “ED” devices include an internal microswitch that signals when the bar is held in the depressed position, ideal for automatic door operators. On fire-rated devices, it must be wired through the fire alarm system. All devices operate at 24VDC, drawing .6 amp, allowing them to operate with a simple transformer and rectifier.

Note: Not to be used as access control element. Specify “LR” with access control devices such as card reader or keypads.

Specify by adding “ED” after exit device model number (ex. 8611ED36).