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</tr>
</thead>
<tbody>
<tr>
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<td>8-9</td>
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<tr>
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<td>10</td>
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<tr>
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<td>11</td>
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</tbody>
</table>

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<table>
<thead>
<tr>
<th>Device Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8900 Mortise Exit Devices</td>
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<tr>
<td>8900 Functions &amp; Trims</td>
<td>13</td>
</tr>
</tbody>
</table>

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<thead>
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<th>Device Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>8700 Functions &amp; Trims</td>
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</tr>
<tr>
<td>NB8700 Functions &amp; Trims</td>
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<tr>
<th>Device Type</th>
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<td>MD8600 &amp; NB-MD8600 Functions &amp; Trims</td>
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<tr>
<td>AD8600 &amp; NB-AD8600 CVR Devices for Aluminum Doors</td>
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</tr>
<tr>
<td>AD8600 &amp; NB-AD8600 Functions &amp; Trims</td>
<td>21</td>
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<tr>
<td>WD8600 &amp; NB-WD8600 CVR Devices for Wood Doors</td>
<td>22</td>
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<td>23</td>
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<th>Device Type</th>
<th>Description</th>
</tr>
</thead>
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<td>8500 Rim Exit Devices</td>
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<tr>
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</table>

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<th>Device Type</th>
<th>Description</th>
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</thead>
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<th>Description</th>
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<tbody>
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<td>MD8400 &amp; NB-MD8400 Narrow Stile CVR Devices for Metal Doors</td>
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</tr>
<tr>
<td>MD8400 &amp; NB-MD8400 Functions &amp; Trims</td>
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</tr>
<tr>
<td>AD8400 &amp; NB-AD8400 Narrow Stile CVR Devices for Aluminum Doors</td>
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<td>AD8400 &amp; NB-AD8400 Functions &amp; Trims for Aluminum Doors</td>
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Features and Innovations
80 Series

SARGENT manufactures a full line of exit devices including vertical rod, rim and mortise for both standard and narrow stile doors. These devices provide the best combination of simplicity, strength, durability, aesthetics and innovation and are perfect for applications such as commercial office buildings, medical and educational institutions.

**Simplicity**
- Easy installation and maintenance-free design
- "True" architectural hardware finishes consistent with BHMA/ANSI standards
- Few moving parts – less wear
- Modular construction

**Strength & Durability**
- Made of finest component materials
- Heavy duty mounting construction
- Built to withstand abusive conditions
- 5 Year warranty

**Hurricane-Resistant Products and Certifications**
- UL Certified Latching Hardware and Assemblies (ZHEM & ZHLL)
- Product-specific detailed certifications and listings
- Available with Rim, Mortise, SVR & CVR devices

**Security**
- Double cylinder functions available
- Torx® and spanner screws
- Anti-vandal trim options
- Master keying with SARGENT Security Key systems available (Signature, Keso F1, Keso and XC)

**Innovation**
- Broad offering of electro-mechanical solutions for the most demanding access/egress control applications
- MicroShield® anti-microbial finish coating offers a new level of protection
- SARGuide® exit device contains an electroluminescent touchpad to enhance the visibility of exit locations in dark or smoke-filled passages and effectively improve the safety of any public building
- CTL (Center and Top Latching) Vertical Rod Devices offer less bottom rod convenience with true center latching for added security

**MicroShield® Coating**
- This revolutionary finish coating available on all SARGENT product lines, utilizes a silver-based antimicrobial compound from Agion® Technologies
- The MicroShield protection is now available integrated within the 80 Series touchpad as well as the finish coating. MicroShield lasts for the life of the finish
- MicroShield coating permanently suppresses the growth of bacteria, algae, fungus, mold and mildeew. It is effective against a broad spectrum of bacteria
- Non-toxic and completely safe. The Agion antimicrobial compound is EPA and NSF approved and FDA listed for use in medical and food preparation equipment
- Applications: Anywhere there is need for a clean environment (hospitals, laboratories, schools, medical centers, daycare, food processing etc.)

**SARGuide**
- As part of their promise to provide innovative solutions to their customers, certain ASSA ABLOY Group brands offer the MicroShield® technology, a silver-based antimicrobial coating designed to inhibit the growth of bacteria.
- MicroShield® is a registered trademark of Yale Security Inc., an ASSA ABLOY Group company.

**MicroShield®**
- UL Listed for use on panic (UL 305) and fire-rated (UL 10C) exit devices
- The PL - SARGuide Photoluminescent Exit Device is a non electrical option which produces visible EXIT signage in darkness or low lit areas.
- Approved for use in New York City in accordance with RS 6-1 and RS 6-1A
- Recharges from ambient light
- No wiring or maintenance needed

Experience a safer and more open world

1-800-727-5477 • www.sargentlock.com
**Maximum Door Opening-Fire Doors**

<table>
<thead>
<tr>
<th>Type</th>
<th>Exit Device</th>
<th>Door Material</th>
<th>Single Door</th>
<th>with 12-HC980 or 12-980 or 12-HCL980 Mullion</th>
<th>with 12-L980</th>
<th>VR/VR Doors Swing Same Direction</th>
<th>SVR/Mortise Doors Swing Same Direction</th>
<th>CVR/Mortise MD Doors Swing Same Direction</th>
<th>CVR/Mortise WD Doors Swing Same Direction</th>
<th>VR/VR Double Egress</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim</td>
<td>12-8800</td>
<td>Metal</td>
<td>3 Hour 4' x 10'</td>
<td>3 Hour 8' x 8'</td>
<td>1.5 Hour 8' x 8'</td>
<td>3 Hour 8' x 10'</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>12-8500</td>
<td>Metal</td>
<td>3 Hour 4' x 8'</td>
<td>3 Hour 8' x 8'</td>
<td>1.5 Hour 8' x 8'</td>
<td>3 Hour 8' x 8'</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Mortise Lock</td>
<td>12-8900</td>
<td>Metal</td>
<td>3 Hour 4' x 10'</td>
<td>—</td>
<td>—</td>
<td>3 Hour 8' x 8'</td>
<td>3 Hour 8' x 10'</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>12-8300</td>
<td>Metal</td>
<td>3 Hour 4' x 10'</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>SVR</td>
<td>12-FM8700</td>
<td>Metal</td>
<td>3 Hour 4' x 8'</td>
<td>—</td>
<td>—</td>
<td>3 Hour 8' x 8'</td>
<td>3 Hour 8' x 8'</td>
<td>3 Hour 8' x 10'</td>
<td>3 Hour 8' x 8'</td>
<td>3 Hour 8' x 10'</td>
</tr>
<tr>
<td></td>
<td>12-8700</td>
<td>Metal</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>3 Hour 8' x 8'</td>
<td>3 Hour 8' x 8'</td>
<td>3 Hour 8' x 10'</td>
<td>3 Hour 8' x 8'</td>
<td>3 Hour 8' x 10'</td>
</tr>
<tr>
<td></td>
<td>12-NB8700</td>
<td>Metal</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>3 Hour 8' x 10'</td>
<td>—</td>
<td>3 Hour 8' x 10'</td>
<td>—</td>
<td>3 Hour 8' x 10'</td>
</tr>
<tr>
<td>CVR</td>
<td>12-MD8600</td>
<td>Metal</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>3 Hour 8' x 10'</td>
<td>—</td>
<td>3 Hour 8' x 10'</td>
<td>3 Hour 8' x 10'</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>12-NB-MD8600</td>
<td>Metal</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>3 Hour 8' x 10'</td>
<td>—</td>
<td>3 Hour 8' x 10'</td>
<td>3 Hour 8' x 10'</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>12-MD8400</td>
<td>Metal</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>3 Hour 8' x 10'</td>
<td>—</td>
<td>3 Hour 8' x 10'</td>
<td>3 Hour 8' x 10'</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>12-NB-MD8400</td>
<td>Metal</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>3 Hour 8' x 10'</td>
<td>—</td>
<td>3 Hour 8' x 10'</td>
<td>3 Hour 8' x 10'</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>12-LS8600</td>
<td>Metal</td>
<td>3 Hour 4' x 10'</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>3 Hour 8' x 8'</td>
<td>—</td>
<td>3 Hour 8' x 10'</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>12-LP8600 &amp; 12-LR8600</td>
<td>Metal</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Sargent Manufacturing Company makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

**Notes:**

- Please contact door manufacturer for specifications regarding fire door construction
- Consult wood door manufacturers for current UL listing
Windstorm Certifications
80 Series

Windstorm Certifications: Florida Building Codes & UL Listings

SARGENT Manufacturing’s products meet building codes that require hurricane, windstorm and FEMA certifications, including some of the most stringent building codes as specified in the Florida Building Code, Miami Dade Code and the International Building Code. Listed below are certifications and standards met by the 80 Series lock.

Florida Building Code: FL2998
UL Certification Directory: ZHEM.R21744 – Latching Hardware

<table>
<thead>
<tr>
<th>ANSI/SDI-BHMA A250.13</th>
<th>&quot;Testing and Rating of Severe Windstorm Resistant Components for Swinging Door Assemblies&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI/ASTM E1886</td>
<td>&quot;Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials&quot;</td>
</tr>
<tr>
<td>(TAS) 201</td>
<td>&quot;Impact Test Procedures&quot;*</td>
</tr>
<tr>
<td>(TAS) 203</td>
<td>&quot;Criteria for Testing Products Subject to Cyclic Wind Pressure Loading&quot;*</td>
</tr>
</tbody>
</table>

* Published in the “Florida Building Code”

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UL Certification Directory: ZHLL.R21744 – Products for Use in Windstorm-rated Assemblies
Certifications to meet assembly requirements are done in conjunction with doors from ASSA ABLOY Group companies CECO DOOR and CURRIES.

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI/ASTM E1886</td>
<td>&quot;Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials&quot;</td>
</tr>
<tr>
<td>AAMA/WDMA/CSA 101/15.2/4440</td>
<td>&quot;Specification for Windows, Doors, and Unit Skylights&quot;</td>
</tr>
<tr>
<td>FEMA Publication 320 (2014)</td>
<td>&quot;Taking Shelter From the Storm: Building a Safe Room for Your Home or Small Business&quot;, investigated with respect to impact and pressure requirements only.</td>
</tr>
<tr>
<td>FEMA Publication 361 (2015)</td>
<td>&quot;Design and Construction Guidance for Community Safe Rooms&quot;, investigated with respect to impact and pressure requirements only.</td>
</tr>
<tr>
<td>ICC 500 (2014)</td>
<td>&quot;ICC/NSA Standard for the Design and Construction of Storm Shelters&quot;, investigated with respect to impact and pressure testing. Minimum missile impact speeds vary with the design wind speed desired for a particular product. The information below correlates design wind speed to the minimum missile speeds as discussed in Table 305.1.1 of ICC 500</td>
</tr>
</tbody>
</table>

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8888/8810 Multi-Function Rim Exit Device and Trims
80 Series

The 8888/8810 Rim Exit Device
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed
- Device is non-handed
- ANSI/BHMA architectural finishes
- Four standard sizes available

To Order: Specify options, 8888 or 8810, Rail Size and Finish
Example: 12-19-8888F x 32D

700 Series ET Control

 specifications

Device & trim sold separately; easy to mix and match
- Designed for standard width stile applications on wood and metal doors
- 7 functions available as determined by the trim function
- 3 trim designs available:
- 700 ET Controls
- 88 Lever & Rose trim
- Pull trims
- Single and double door applications with a mullion

Rail Chart
- Rails are available in 4 sizes, use door width to determine size needed.
- Rails will be factory cut to size if door width is supplied or can be cut in the field

<table>
<thead>
<tr>
<th>Stock Size</th>
<th>Door Widths</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>24’ to 32’ (61cm to 81cm)</td>
<td>No cutting required for 32’ (81cm) door</td>
</tr>
<tr>
<td>F</td>
<td>33’ to 36’ (84cm to 91cm)</td>
<td>No cutting required for 36’ (91cm) door</td>
</tr>
<tr>
<td>J</td>
<td>37’ to 42’ (94cm to 107cm)</td>
<td>No cutting required for 42’ (107cm) door</td>
</tr>
<tr>
<td>G</td>
<td>43’ to 48’ (110cm to 122cm)</td>
<td>No cutting required for 48’ (122cm) door</td>
</tr>
</tbody>
</table>

88 Lever and Rose Trim
- The 88 Lever and Rose Trim is sold separately from the exit device and can be used with 8888 & 8810 Exit Device. The trim is non-handed and is through-bolted to the chassis for greater security and durability. Available in 4 functions and 4 lever designs to accommodate most requirements.
- ANSI/BHMA finishes
- Easy operating lever handle allows convenient one hand operation
- ET trim is not available in 32 or 32D
- Stainless steel levers are available

688 Trim Retrofit Kit
- 688 Trim Retrofit kit allows an 8810/8888 rim exit with an ET to replace Von Duprin’s 98/99 series exit with trim with minimal door prep.
- Order as: 688 Kit

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8888/8810 Multi-Function Rim
Exit Device and Trims

80 Series

How to order 8888/8810 Multi-Function Exit Devices:
Specify the following:
- Options
- Rail Finish
- Series 16-

- Options
- Rail Finish
- Series 32D

• All trims and functions listed on this page, work with 8888 & 8810 Exit Devices
• Available options listed at the right
• 8888 & 8810 are identical products and are non-handed
• Exit devices are not available in 14, 15, 26 and 26D finishes

700 Series ET Trim

700 Series ET Controls
To order: Specify options followed by trim designation, lever design and hand, finish (as shown to the right).
Example: 10-SG-713-8 ET_ x RHR 26D

Freewheeling Trim
The lever rotates when the door is unlocked and finish (as shown to the right).
Example: 10-SG-814-FSW x 04 x RHR

88 Lever and Rose Trim
To order: Specify options followed by trim designation, lever design and finish (as shown to the right).
Example: 10-SG-88-CLP x 26D

Keyed & Non Keyed Pull Trim for 8888 & 8810 Devices
Use the six digit designation (Ex “866-MAL”) when ordering trim without an Exit Device, always specify options, designation, finish & hand
Example: 10-SG-814-FSW x 04 x RHR

How to order trim for 8888 & 8810 Exit Devices:
Specify the following:
- Options
- Trim Designation
- Hand
- Finish

*Specify lever design
Available Options listed at the right

Available Finishes

<table>
<thead>
<tr>
<th>Options</th>
<th>Exit</th>
<th>Trim</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-</td>
<td>1B-</td>
<td></td>
</tr>
<tr>
<td>16-</td>
<td>11-</td>
<td></td>
</tr>
<tr>
<td>19-</td>
<td>11-10-</td>
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<tr>
<td>43-</td>
<td>11-72-TP</td>
<td></td>
</tr>
<tr>
<td>5CH-</td>
<td>11-73-TP</td>
<td></td>
</tr>
<tr>
<td>7SP-</td>
<td>65-73-TP</td>
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</tr>
<tr>
<td>629-</td>
<td>BR-</td>
<td>LC-</td>
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<tr>
<td>64-</td>
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</tbody>
</table>

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8800 Rim Exit Device

80 Series

8800 Series Rim Exit Device

Specifications

<table>
<thead>
<tr>
<th>Door Type</th>
<th>8800 Series Rim Exit Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Type</td>
<td>Metal Doors</td>
</tr>
<tr>
<td>Door Thickness</td>
<td>1-3/4&quot; (44mm) minimum thickness. For doors over 1-3/4&quot; to 2 1/4&quot; thick, specify thickness and order as 31-</td>
</tr>
<tr>
<td>Rail sizes as determined by door width</td>
<td>Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied</td>
</tr>
<tr>
<td>Strike</td>
<td>649 Standard Black Nylon Coated</td>
</tr>
<tr>
<td>Optional Strikes</td>
<td>642, 644 and 613</td>
</tr>
<tr>
<td>Dogging Feature</td>
<td>Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)</td>
</tr>
<tr>
<td>Electric Options</td>
<td>AL- Alarm</td>
</tr>
<tr>
<td></td>
<td>PL- SARGuide Photoluminescent Coated</td>
</tr>
<tr>
<td></td>
<td>TL- SARGuide Illuminated Touchpad</td>
</tr>
<tr>
<td>49- Indicator</td>
<td>49- Indicator</td>
</tr>
<tr>
<td>53- LX Latchbolt Monitor</td>
<td>53- LX Latchbolt Monitor</td>
</tr>
<tr>
<td>54- Outside Lever Monitoring</td>
<td>54- Outside Lever Monitoring</td>
</tr>
<tr>
<td>55- Request-to-Exit Signal - Rail Monitoring</td>
<td>55- Request-to-Exit Signal - Rail Monitoring</td>
</tr>
<tr>
<td>56- Remote Latch Retraction</td>
<td>56- Remote Latch Retraction</td>
</tr>
<tr>
<td>57- Delay Egress &amp; Electromagnets</td>
<td>57- Delay Egress &amp; Electromagnets</td>
</tr>
<tr>
<td>58- Electric Dogging</td>
<td>58- Electric Dogging</td>
</tr>
<tr>
<td>59- Electroguard – Self Contained Delayed Egress</td>
<td>59- Electroguard – Self Contained Delayed Egress</td>
</tr>
<tr>
<td>Mounting Fasteners</td>
<td>Supplied standard with wood and machine screws</td>
</tr>
<tr>
<td></td>
<td>Available with through-bolts and mortise (sex) nuts</td>
</tr>
<tr>
<td>Latch Bolt</td>
<td>Stainless steel, 3/4&quot; (19mm) throw</td>
</tr>
<tr>
<td>Device Centerline from Finished Floor</td>
<td>41&quot; (1041 mm) for Standard Applications</td>
</tr>
<tr>
<td>Center Case Dimensions</td>
<td>8-3/8&quot; (213mm) x 2-5/8&quot; (67mm)</td>
</tr>
<tr>
<td>Projection</td>
<td>Pushbar Neutral – 3&quot; (76 mm)</td>
</tr>
<tr>
<td></td>
<td>Pushbar Depressed – 2-1/8&quot; (54 mm)</td>
</tr>
<tr>
<td>Fire Exit Hardware</td>
<td>See Chart – Page 6</td>
</tr>
</tbody>
</table>

Alternate Strikes For 8800 Rim Devices

642 Strike
- Mortised. Dimension "L" equals door thickness plus 1/2" (13mm). Black nylon coated on lip only
- Surface applied. For use on pairs of doors without mullion. Ductile Iron. Black nylon coated
- Except for 16 function
- Order as: 688 Kit

644 Strike
- Half mortised. Black nylon coated

613 Strike
### 8000 Functions and Trims

#### 80 Series

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lgth</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1-83-56</td>
<td>88</td>
<td>13</td>
<td>F</td>
<td>ET</td>
<td>RHR</td>
<td>26D</td>
<td>32D</td>
<td>36</td>
</tr>
</tbody>
</table>

#### 700 Series ET Trim

- Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

#### Lever Designs for ET Controls

- A, B, E, F, J, L, P, W
- Also available with Coastal Series & Studio Collection Levers

#### ET Designation with Suffix

- (Used to order ET without device)
- 8800 Series: 704, 706-8, 710, 713-8, 715-8, 716, 740, 743-8, 744, 746-8, 773-8, 774-8, 775-8 & 776-8

#### Freewheeling Trim

- The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

#### Electrified ET Trim

- Voltage must be specified for the following functions: 73, 74, 75 and 76. Specify: 12VDC or 24VDC

#### Pull & Thumbpiece Trim Section

- **Trim Designations**
  - Use three letter designations (Ex "PTB") when ordering the Exit Device with trim
  - Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish

<table>
<thead>
<tr>
<th>Sargent Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info. (1-3/4&quot; Door)</th>
<th>ANSI Type 1 8800 Panic &amp; Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>04 03</td>
<td>814-FSL*</td>
<td>Night Latch Key Retracts Latch #34 Cylinder Supplied</td>
<td>8804 x ET_</td>
</tr>
<tr>
<td>06 09</td>
<td>814-FSW*</td>
<td>Key unlocks Trim, Trim retracts latch Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>8806 x ET_</td>
</tr>
<tr>
<td>10 01</td>
<td>814-MSL*</td>
<td>No outside operation (No Cylinder)</td>
<td>8810</td>
</tr>
<tr>
<td>10 02</td>
<td>814-PSB*</td>
<td>No outside operation (No Cylinder) ET Control is used as Pull Only</td>
<td>8810</td>
</tr>
<tr>
<td>13 08</td>
<td>814-ST5</td>
<td>Key Outside Unlock/Locks Trim #41 Cylinder Supplied</td>
<td>8813 x ET_</td>
</tr>
<tr>
<td>15 14</td>
<td>814-FLW</td>
<td>Passage Only (No cylinder)</td>
<td>8815 x ET_</td>
</tr>
<tr>
<td>16 10</td>
<td>814-FLW</td>
<td>Key Outside Unlock/Locks Trim O/S #34 Cylinder &amp; I/S #44 Cylinder Supplied</td>
<td>8816 x ET_</td>
</tr>
<tr>
<td>40 02</td>
<td>814-FLW</td>
<td>Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim</td>
<td>8840 x ET_</td>
</tr>
<tr>
<td>43 08</td>
<td>814-FLW</td>
<td>Freewheeling Trim - Key Outside Unlock/Locks Trim #41 Cylinder Supplied</td>
<td>8843 x ET_</td>
</tr>
<tr>
<td>44 03</td>
<td>814-FLW</td>
<td>Freewheeling Trim - Key Outside Unlock/Locks Trim #41 Cylinder Supplied</td>
<td>8844 x ET_</td>
</tr>
<tr>
<td>46 09</td>
<td>814-FLW</td>
<td>Freewheeling Trim - Key unlocks Trim, Trim retracts latch Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>8846 x ET_</td>
</tr>
<tr>
<td>73</td>
<td>814-FLW</td>
<td>Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)</td>
<td>8873 x ET_</td>
</tr>
<tr>
<td>74</td>
<td>814-FLW</td>
<td>Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)</td>
<td>8874 x ET_</td>
</tr>
<tr>
<td>75</td>
<td>814-FLW</td>
<td>Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #34 Cylinder Supplied</td>
<td>8875 x ET_</td>
</tr>
<tr>
<td>76</td>
<td>814-FLW</td>
<td>Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #34 Cylinder Supplied</td>
<td>8876 x ET_</td>
</tr>
</tbody>
</table>

#### Freewheeling Trim

- Key Retracts Latch
- Key Inside Unlock/Locks O/S Trim O/S #34 Cylinder & I/S #44 Cylinder Supplied

#### Note:

- Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32 to match accordingly.

#### Cylinder Options:

- 16-21-51-56-61-64-65-70-72-73-75-76-77-81-82-83-84-85-86-87-88-BHMA-

#### Mechanical Options:


#### Options Series Function Rail Lgth Trim Hand Outside Finish Inside Finish Door Width

- **Options are not available with 8816**
- **Only available with 15, 26D and 32D finishes**

#### Available Finishes

<table>
<thead>
<tr>
<th>Sargent Finishes</th>
<th>BHMA Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>605</td>
</tr>
<tr>
<td>04</td>
<td>606</td>
</tr>
<tr>
<td>09</td>
<td>611</td>
</tr>
<tr>
<td>10</td>
<td>612</td>
</tr>
<tr>
<td>10B</td>
<td>613</td>
</tr>
<tr>
<td>10F</td>
<td>613E</td>
</tr>
<tr>
<td>10FL</td>
<td>613L</td>
</tr>
<tr>
<td>10BFL</td>
<td>618</td>
</tr>
<tr>
<td>10FBL</td>
<td>619</td>
</tr>
<tr>
<td>10P</td>
<td>624</td>
</tr>
<tr>
<td>10BP</td>
<td>625</td>
</tr>
<tr>
<td>10PBL</td>
<td>626</td>
</tr>
<tr>
<td>10PBL</td>
<td>626</td>
</tr>
<tr>
<td>10PBL</td>
<td>626</td>
</tr>
<tr>
<td>10PBL</td>
<td>630</td>
</tr>
<tr>
<td>10PBL</td>
<td>630</td>
</tr>
</tbody>
</table>

* Options are not available with 8816

** Only available with 15, 26D and 32D finishes

---

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**Note:** Thumbpiece trims for 6.1 and 6.6 function devices are identical and are identified as 66 function when trim is ordered separately.

**Note:** Pulls and thumbpiece trims are not available in 14, 15, 16, 26 & 26D.

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### 8900 Mortise Lock Exit Device

#### 8900 Features
- Designed for standard width stile applications on wood and metal doors
- Concealed single point guarded latching for additional security
- Also available as a WS8900 for additional certifications and listings, see Hurricane-Resistant section of this catalog
- Single door applications
- Double door applications with Vertical Rod
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed

#### Specifications for 8900 Mortise Lock Exit

<table>
<thead>
<tr>
<th>Door Type</th>
<th>Metal Doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Thickness</td>
<td>1-3/4” (44mm) minimum thickness. For doors over 1-3/4” to 2 1/4” thick, specify thickness and order as 31-</td>
</tr>
<tr>
<td>Stile</td>
<td>4-1/2” (114mm) minimum stile width</td>
</tr>
<tr>
<td>Rail sizes as determined by door width</td>
<td>Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied.</td>
</tr>
<tr>
<td>Strike</td>
<td>C908 Standard Black Nylon Coated – ANSI Prep A115.1</td>
</tr>
<tr>
<td>Optional Strikes</td>
<td>815 Open Back Strike or 908 Flat Lipped Strike with Black Nylon</td>
</tr>
<tr>
<td>Dogging Feature</td>
<td>Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)</td>
</tr>
</tbody>
</table>

#### Electric Options
- AL - Alarm
- PL - SARGuide™ Photoluminescent Coated
- TL - SARGuide™ Illuminated Touchpad
- S3 - LX Latchbolt Monitor
- S4 - Outside Lever Monitoring
- S5 - Request-to-Exit Signal - Rail Monitoring
- S6 - Remote Latch Retraction
- S7 - Delay Egress & Electromagnets
- S8 - Electric Dogging
- S9 - Electroguard – Self Contained Delayed Egress

#### Mounting Fasteners
- Supplied standard with wood and machine screws
- Available with through-bolts and mortise (sex) nuts

#### Latch Bolt
- Brass Nickel Plated, 3/4” (19mm) throw, anti-friction

#### Guarded/DeadLatch
- Brass Nickel Plated, sliding type

#### Device Centerline from Finished Floor
- 41” (1041mm) for Standard Applications; 38” (965mm) for elementary schools

#### Center Case Dimensions
- 8-3/8” (213mm) x 2-5/8” (67mm)

#### Projection
- Pushbar Neutral – 3” (76mm)
- Pushbar Depressed – 2-1/8” (54mm)

#### Fire Exit Hardware
- See Chart – Page 6

#### C908 Standard Strike
- Curved lip ANSI A-115.1
- Handed, 1-1/4” (32mm) lip standard
- Longer lips in increments of 1/4” (6mm) through 2-7/8” (73mm) available
- Black nylon coated

#### Single Door

#### Pair of Doors

#### 815 Open Back Strike
- ANSI A-115.14 Open Back
- Beveled 1/8” (3mm) in 2” (51mm)
- Specify hand of active door
- Black nylon coat
- “B” Label
8900 Functions and Trims
80 Series

How to order:

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lght</th>
<th>Trim LTH</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI Type 3</td>
<td>8900</td>
<td>89</td>
<td>13</td>
<td>26</td>
<td>32</td>
<td>36</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SARGENT ET Trim

Exits with ET Trim, specify lever design after the ET designation (e.g., ET_)

<table>
<thead>
<tr>
<th>Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4&quot; Door)</th>
<th>ANSI Type 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>Night Latch-Key Retracts Latch #46 Cylinder Supplied</td>
<td>8904 x ET_</td>
</tr>
<tr>
<td>06</td>
<td>Key unlocks Trim, Key Retracts Latch/Trim retracts when key is removed #46 Cylinder Supplied</td>
<td>8906 x ET_</td>
</tr>
<tr>
<td>10</td>
<td>No outside operation (No Cylinder)</td>
<td>8910</td>
</tr>
<tr>
<td>10</td>
<td>No outside operation (No Cylinder) ET Control is used as Pull Only</td>
<td>8910 x ET_</td>
</tr>
<tr>
<td>13</td>
<td>Key Outside Unlock/locks Trim #41 Cylinder Supplied</td>
<td>8913 x ET_</td>
</tr>
<tr>
<td>15</td>
<td>Passage Only (No cylinder)</td>
<td>8915 x ET_</td>
</tr>
<tr>
<td>16</td>
<td>Key Outside Unlock/locks Trim #41 Cylinder Supplied</td>
<td>8916 x ET_</td>
</tr>
<tr>
<td>40</td>
<td>Freewheeling Trim - No outside Operation (No Cylinder) Dummy Trim</td>
<td>8940 x ET_</td>
</tr>
<tr>
<td>43</td>
<td>Freewheeling Trim - Key Outside Unlock/locks Trim #41 Cylinder Supplied</td>
<td>8943 x ET_</td>
</tr>
<tr>
<td>44</td>
<td>Freewheeling Trim - Key Retracts Latch For 1-3/4&quot; Door #46 Cylinder Supplied</td>
<td>8944 x ET_</td>
</tr>
<tr>
<td>75</td>
<td>Electrified ET Trim - Fail Safe Power Off, Unlock Lever, Key Retracts Latch For 1-3/4&quot; Door #46 Cylinder Supplied</td>
<td>8975 x ET_</td>
</tr>
<tr>
<td>76</td>
<td>Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch For 1-3/4&quot; Door #46 Cylinder Supplied</td>
<td>8976 x ET_</td>
</tr>
</tbody>
</table>

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix

(Used to order ET without device)

8900 Series: 704, 706, 710, 713, 715, 716, 740, 744, 773, 774, 775 & 776

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim and Electrified Mortise Locks

Voltage must be specified for the following functions: 73, 74, 75 and 76. Specify: 12VDC or 24VDC

Pull & Thumbpiece Trim Section

Trim Designations

- Use three letter designations (Ex “PTB”) when ordering the Exit Device with trim
- Use the six digit designation (Ex “866-MAL”) when ordering trim without an Exit Device, always specify finish & hand

Available Finishes

Series

<table>
<thead>
<tr>
<th>SARGENT Finishes</th>
<th>BHMA Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>605</td>
</tr>
<tr>
<td>04</td>
<td>606</td>
</tr>
<tr>
<td>09</td>
<td>611</td>
</tr>
<tr>
<td>10</td>
<td>612</td>
</tr>
<tr>
<td>10B</td>
<td>613</td>
</tr>
<tr>
<td>10B1</td>
<td>613E</td>
</tr>
<tr>
<td>10L</td>
<td>613L</td>
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<tr>
<td>14</td>
<td>618</td>
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<td>15</td>
<td>619</td>
</tr>
<tr>
<td>20D</td>
<td>624</td>
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<tr>
<td>26</td>
<td>625</td>
</tr>
<tr>
<td>29D</td>
<td>626</td>
</tr>
<tr>
<td>32</td>
<td>629</td>
</tr>
<tr>
<td>32D</td>
<td>630</td>
</tr>
<tr>
<td>83P</td>
<td>WSP</td>
</tr>
</tbody>
</table>

Note: 8900 Panic & Fire

Experience a safer and more open world
**8700 Surface Vertical Rod Exit Device**

### Features
- Two point latching (top & bottom with adjustability through center case)
- Standard bottom latch compatible with latch track thresholds (by others)
- Single and double door applications
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed
- Also available as HC8700 for hurricane-resistant applications, see Hurricane-Resistant section of this catalog
- Also available as FM8700, use with StormPro Series doors, frames and hinges is required when used as a certified tornado solution. For tornado-resistant applications, see Tornado-Resistant section of this catalog
- Rods are 1/2" (13mm) brass, bronze or stainless steel

### Specifications for 8700 Series Exit

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Type</td>
<td>Wood or metal doors</td>
</tr>
<tr>
<td>Door Thickness</td>
<td>1-3/4&quot; (44mm) minimum thickness. For doors over 1-3/4&quot; to 2-1/4&quot; thick, specify thickness and order as 31-</td>
</tr>
<tr>
<td>Stile</td>
<td>4-1/2&quot; (114mm) minimum stile width with trim and 3-1/2&quot; (44mm) minimum stile without trim</td>
</tr>
</tbody>
</table>
| Rail sizes as determined by door width | Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied
  - E Rail for 24" to 32" door widths, No cutting required for 32" door
  - F Rail for 33" to 36" door widths, No cutting required for 36" door
  - J Rail for 37" to 42" door widths, No cutting required for 42" door
  - G Rail for 43" to 48" door widths, No cutting required for 48" door |
| Strike        | 646 Top Strike (Panic and Fire Rated)
  - 624 Bottom Strike; 655 Fire Rated Bottom Strike
| Dogging Feature | Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied) |
| Electric Options | AL- Alarm
  - PI- SARGuide™ Photoluminescent Coated
  - TL- SARGuide™ Illuminated Touchpad
  - 53- LX Latchbolt Monitor
  - 54- Outside Lever Monitoring
  - 55- Request-to-Exit Signal - Rail Monitoring
  - 56- ELR Remote Latch Retraction
  - 57- Delay Egress & Electromagnets
  - 58- Electric Dogging
  - 59- Electroguard – Self Contained Delayed Egress |
| Mounting Fasteners | Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts |
| Top & Bottom Bolt | Brass, Stainless steel |
| Device Centerline from top of floor | 43" (1041 mm) for Standard Applications; 38" (965mm) for elementary schools |
| Door/Opening Height | Must be specified - 120" (3048mm) Max Door Opening - Non-fire rated doors
  - 96" (2438mm) Max Door Opening - Fire rated doors |
| Center Case Dimensions | 8-3/8" (213mm) x 2-5/8" (67mm) |
| Projection | Pushbar Neutral – 3" (76mm)
  - Pushbar Depressed – 2-1/8" (54mm) |
| Fire Exit Hardware | See Chart – Page 6 |

### Inside Lever Assembly for 300 Series Aux Control
- Attaches to top rod and engages with 300 Series Auxiliary Control. Packed standard with 306 and 313 Auxiliary Controls
- Part # 97-2378

**Note:** 26 or 26D is automatically supplied when 32 or 32D is specified.

### 646 Top Strike
- Standard for both Panic & Fire (12-) Hardware
- Surface applied to frame
- Black nylon coated
- Replaces 629 Strike

### 624 Bottom Strike
- Standard for 8700
- Applied to surface of floor or to a flat threshold
- Black nylon coated

### 655 Bottom Strike
- Standard for 12-8700 and 14-8700
- Stainless steel
- Black nylon coated
- Replaces 647 Strike

### 648 & 653 Strikes (Alternate Strikes for 8700 SVR Devices)
- For doors having transom panel applications
  - Black nylon coated

**Note:** The 8700 Exit Device can not be used less bottom rod. If less bottom rod is desired, specify NB8700 Series Exit Device
8700 Functions and Trims
80 Series

How to order:

<table>
<thead>
<tr>
<th>Option Set</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lgth</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
<th>Door Height</th>
<th>AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL-83-</td>
<td>87</td>
<td>13</td>
<td>F</td>
<td>ETL</td>
<td>RHR</td>
<td>32D</td>
<td>108</td>
<td>36&quot;</td>
<td>84&quot;</td>
<td>41&quot;</td>
</tr>
</tbody>
</table>

700 Series ET Trim

Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info. (1-3/4&quot; Door)</th>
<th>ANSI Type 2 8700 Panic &amp; Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>06 09</td>
<td>Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>8706 x ET_</td>
<td>8700 x ET_</td>
</tr>
<tr>
<td>10 01</td>
<td>No outside operation (No Cylinder)*</td>
<td>8710</td>
<td></td>
</tr>
<tr>
<td>10 02</td>
<td>No outside operation (No Cylinder)*</td>
<td>8710</td>
<td></td>
</tr>
<tr>
<td>13 08</td>
<td>Key Outside Unlock/Locks Trim #41 Cylinder Supplied</td>
<td>8713 x ET_</td>
<td></td>
</tr>
<tr>
<td>15 14</td>
<td>Passage Only (No cylinder)</td>
<td>8715 x ET_</td>
<td></td>
</tr>
<tr>
<td>40 02</td>
<td>Freewheeling Trim - No outside Operation (No Cylinder)* Dummy Trim</td>
<td>8740 x ET_</td>
<td></td>
</tr>
<tr>
<td>43 08</td>
<td>Freewheeling Trim - Key Outside Unlock/Locks Trim #41 Cylinder Supplied</td>
<td>8743 x ET_</td>
<td></td>
</tr>
<tr>
<td>46 09</td>
<td>Freewheeling Trim - Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>8746 x ET_</td>
<td></td>
</tr>
<tr>
<td>73</td>
<td>Electrified ET Trim - Fail Safe Power Off, Locks Lever (No Cylinder)*</td>
<td>8773 x ET_</td>
<td></td>
</tr>
<tr>
<td>74</td>
<td>Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*</td>
<td>8774 x ET_</td>
<td></td>
</tr>
</tbody>
</table>

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to match accordingly.

Note: Cylinder Override is available with a 306 Aux Control.

Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

8700 Series: 706, 710, 713, 715, 740, 743, 744, 746, 773 & 774

Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

300 Series++ Auxiliary Control & 862 Pull

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info. (1-3/4&quot; Door)</th>
<th>8700 Panic &amp; Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>06 12</td>
<td>Key unlocks Turn, Turn retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>8710 x 306</td>
<td>8710 x 306</td>
</tr>
<tr>
<td>10 02</td>
<td>862 Pull Only (Optional Pulls: 863 &amp; 864)</td>
<td>8710 x 862</td>
<td>8710 x 862</td>
</tr>
<tr>
<td>13 11</td>
<td>Key Outside Unlock/Locks Turn #41 Cylinder Supplied</td>
<td>8710 x 313</td>
<td>8710 x 313</td>
</tr>
</tbody>
</table>

Note: When ordering 8700 Series Exit Device x 300 Series Aux. Control, specify 10 Function for the exit. Example: 8710FL x 306 x RHR x 32D x 36" w x 84"h

Pull & Thumbpiece Trim Section

Trim Designations
- Use three letter designations (Ex "PTB") when ordering the Exit Device with trim
- Use the six digit designation (Ex "866-MAL") when ordering trim without an Exit Device, always specify finish

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info. (1-3/4&quot; Door)</th>
<th>8700 Panic &amp; Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 02</td>
<td>Pull Only (No Cylinder)*</td>
<td>810-FLL 810-FLW 810-MAL 810-PTB 810-STS 810 x Trim Designation</td>
<td>8710 x Trim Designation</td>
</tr>
<tr>
<td>28 15</td>
<td>Passage Only (No cylinder)</td>
<td>828-FLL 828-FLW 828-MAL 828-PTB 828-STS 828 x Trim Designation</td>
<td>8728 x Trim Designation</td>
</tr>
<tr>
<td>62 06</td>
<td>Key unlocks Thumbpiece, Thumbpiece retracts latch/Thumbpiece relocks when key is removed #34 Cylinder Supplied</td>
<td>866-FLL 866-FLW 866-MAL 866-PTB 866-STS 866 x Trim Designation</td>
<td>8762 x Trim Designation</td>
</tr>
<tr>
<td>63 05</td>
<td>Key Outside Unlock/Locks Turn #34 Cylinder Supplied</td>
<td>866-FLL 866-FLW 866-MAL 866-PTB 866-STS 866 x Trim Designation</td>
<td>8763 x Trim Designation</td>
</tr>
</tbody>
</table>

* Cylinder Override is available with a 306 Aux Control.

Note: Thumbpiece trims 62 and 63 function devices are identical and are identified as 66 function when trim is ordered separately.

Note: Pull and thumb piece trims are not available in 14, 15, 26 or 26D.

Experience a safer and more open world
# NB-8700 Top Latch
## Surface Vertical Rod Exit Device
### 80 Series

### Features
- Single point top latching
- Top latchbolt projection adjustable through center case
- ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) Listed
- Tripping potential removed - no bottom strike
- Rods are 1/2” (13mm) brass, bronze or stainless steel

### Specifications for NB-8700 Series Exit

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Type</td>
<td>Wood or metal doors</td>
</tr>
<tr>
<td>Door Thickness</td>
<td>1-3/4” (44mm) minimum thickness. For doors over 1-3/4” to 2-1/4’ thick, specify thickness and order as 31-</td>
</tr>
<tr>
<td>Stile</td>
<td>4-1/2” (114mm) minimum stile with trim and 3-1/2” (44mm) minimum stile without trim</td>
</tr>
<tr>
<td>Rail sizes as determined by door width</td>
<td>Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied</td>
</tr>
<tr>
<td>Strike</td>
<td>646 Top Strike (Panic and Fire Rated)</td>
</tr>
<tr>
<td>Dogging Feature</td>
<td>Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)</td>
</tr>
<tr>
<td>Electric Options</td>
<td>AL- Alarm</td>
</tr>
<tr>
<td></td>
<td>PL- SARGuide Photoluminescent Coated</td>
</tr>
<tr>
<td></td>
<td>TL- SARGuide Illuminated Touchpad</td>
</tr>
<tr>
<td></td>
<td>53- LX Latchbolt Monitor</td>
</tr>
<tr>
<td></td>
<td>54- Outside Lever Monitoring</td>
</tr>
<tr>
<td></td>
<td>55- Request-to-Exit Signal - Rail Monitoring</td>
</tr>
<tr>
<td></td>
<td>56- Remote Latch Retraction</td>
</tr>
<tr>
<td></td>
<td>57- Delay Egress &amp; Electromagnets</td>
</tr>
<tr>
<td></td>
<td>58- Electric Dogging</td>
</tr>
<tr>
<td></td>
<td>59- Delayed Egress</td>
</tr>
<tr>
<td>Mounting Fasteners</td>
<td>Supplied standard with wood and machine screws</td>
</tr>
<tr>
<td></td>
<td>Available with through-bolts and mortise (sex) nuts</td>
</tr>
<tr>
<td>Top Bolt</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Device Centerline from Finished Floor</td>
<td>41&quot; (1041mm) for Standard Applications</td>
</tr>
<tr>
<td>Door/Opening Height</td>
<td>Must be specified - 120” (3048mm) Max Door Opening</td>
</tr>
<tr>
<td>Center Case Dimensions</td>
<td>8-3/8” (213mm) x 2-5/8” (67mm)</td>
</tr>
<tr>
<td>Projection</td>
<td>Pushbar Neutral – 3” (76 mm)</td>
</tr>
<tr>
<td></td>
<td>Pushbar Depressed – 2-1/8” (54 mm)</td>
</tr>
<tr>
<td>Fire Exit Hardware</td>
<td>See Chart – Page 6</td>
</tr>
</tbody>
</table>

### NB-300 Series Aux Control
- Available as an 06 or 13 function
- Supplied with SARGENT #41 Mortise Cylinder
- NB-300 is mounted in-line with the exit chassis

**Note:** NB 300 Series Controls only work with NB8710 Devices

### 646 Top Strike
- Standard for both Panic & Fire (12-) Hardware
- Surface applied
- Fire Rated
- Black nylon coated

---

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Experience a safer and more open world
**NB-8700 Functions and Trims**

### 80 Series

#### How to order:

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lgth</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
<th>Door Height</th>
<th>AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-</td>
<td>NB-87</td>
<td>13</td>
<td>F</td>
<td>ETL</td>
<td>RHR</td>
<td>26D</td>
<td>32D</td>
<td>36&quot;</td>
<td>84&quot;</td>
<td>41&quot;</td>
</tr>
</tbody>
</table>

#### 700 Series ET Trim

- **Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)**

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4’ Door)</th>
<th>ANSI Type 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>NB-8706 x ET_</td>
</tr>
<tr>
<td>10</td>
<td>01</td>
<td>No outside operation (No Cylinder)</td>
<td>NB-8710</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No outside operation (No Cylinder) ET Control is used as Pull Only</td>
<td>NB-8710 x ET_</td>
</tr>
</tbody>
</table>

#### Lever Designs for ET Controls

- A, B, E, F, J, L, P, W
- Also available with Coastal Series & Studio Collection Lever

| NB-8700 Series: 706-8, 710, 713-8, 715-8, 740, 743-8, 746-8, 773-8 & 774-8 |

#### ET Designation with Suffix (Used to order ET without device)

<table>
<thead>
<tr>
<th>NB-8715 x ET_</th>
</tr>
</thead>
<tbody>
<tr>
<td>313</td>
</tr>
</tbody>
</table>

#### Freewheeling Trim

- The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

<table>
<thead>
<tr>
<th>NB-8743 x ET_</th>
</tr>
</thead>
<tbody>
<tr>
<td>87-</td>
</tr>
</tbody>
</table>

#### Electrified ET Trim

- Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

<table>
<thead>
<tr>
<th>NB-8773 x ET_</th>
</tr>
</thead>
<tbody>
<tr>
<td>73</td>
</tr>
</tbody>
</table>

- *Cylinder override is not available with NB-8700 Series Devices*

<table>
<thead>
<tr>
<th>Options</th>
<th>NB-8700</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mechanical Options:</strong></td>
<td></td>
</tr>
<tr>
<td>12-</td>
<td>16-</td>
</tr>
<tr>
<td>19-</td>
<td>31-</td>
</tr>
<tr>
<td>36-</td>
<td>37-</td>
</tr>
<tr>
<td>43-</td>
<td>53-</td>
</tr>
<tr>
<td>54-</td>
<td>55-</td>
</tr>
<tr>
<td>56-</td>
<td>56HK-</td>
</tr>
<tr>
<td>57-</td>
<td>58-</td>
</tr>
<tr>
<td>59-</td>
<td>76-</td>
</tr>
<tr>
<td>85-</td>
<td>86-</td>
</tr>
<tr>
<td>87-</td>
<td>AL-</td>
</tr>
<tr>
<td>BT-</td>
<td>CPC-</td>
</tr>
<tr>
<td>PL-</td>
<td>*SG-</td>
</tr>
<tr>
<td>TB-</td>
<td>**</td>
</tr>
</tbody>
</table>

| Cylinder Options: | | |
| 10-     | 10-21-  |
| 10-63-  | 11-     |
| 11-21-  | 11-60-  |
| 11-63-  | 11-64-  |
| 11-70-7P| 11-72-7P|
| 11-73-7P| 11-65-73-7P |
| 21-     | 22-     |
| 51-     | 52-     |
| 66-     | 67-     |
| 68-     | 69-     |
| 70-     | 72-     |
| 73-     | 65-73-  |
| 65-73-7P| 73-7P-  |
| 81-     | 82-     |
| F1-81-  | F1-82-  |
| F1-83-  | F1-83-  |
| 84-     | 85-     |
| 86-     | 87-     |
| 88-     | 89-     |
| LC-     | SC-     |
| ST-     | **     |

* Only available with 15, 26D and 32D finishes

#### Available Finishes

<table>
<thead>
<tr>
<th>SARGENT finishes</th>
<th>BHMA finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>605</td>
</tr>
<tr>
<td>04</td>
<td>606</td>
</tr>
<tr>
<td>09</td>
<td>611</td>
</tr>
<tr>
<td>10</td>
<td>612</td>
</tr>
<tr>
<td>10B</td>
<td>613</td>
</tr>
<tr>
<td>10BH</td>
<td>613E</td>
</tr>
<tr>
<td>10BL</td>
<td>613L</td>
</tr>
<tr>
<td>14</td>
<td>618</td>
</tr>
<tr>
<td>15</td>
<td>619</td>
</tr>
<tr>
<td>20D</td>
<td>624</td>
</tr>
<tr>
<td>20D</td>
<td>625</td>
</tr>
<tr>
<td>26</td>
<td>626</td>
</tr>
<tr>
<td>26D</td>
<td>626</td>
</tr>
<tr>
<td>32</td>
<td>629</td>
</tr>
<tr>
<td>32D</td>
<td>630</td>
</tr>
<tr>
<td>RSP</td>
<td>—</td>
</tr>
<tr>
<td>WSP</td>
<td>—</td>
</tr>
</tbody>
</table>

---

**Notes:**

- Exit devices are available in all standard finishes, except 14, 15, 26 & 26D.
- With 14, 15, 26, 26D, exit devices are supplied.
- Lever Designations for ET Controls:
  - A, B, E, F, J, L, P, W
  - Also available with Coastal Series & Studio Collection Lever

**NB-8710 x 313**

- **NB-8710 x ET_**

**NB-8746 x ET_**

**NB-8743 x ET_**

**NB-8740 x ET_**

**NB-8715 x ET_**

**NB-8713 x ET_**

**NB-8710 x ET_**

**NB-8710 x ET_**

**NB-8773 x ET_**

**NB-8774 x ET_**

*Note:* When ordering NB-8700 Series Exit Device x 300 Series Aux. Control, specify 10 Function for the exit. Example: NB-8710F x NB-306 x RH x 32D x 42" x 90"
MD8600 Series
Concealed Vertical Rod Exit Device for Metal Doors

Features
- Designed for standard width stile applications on hollow metal doors
- Concealed rods for security and aesthetics
- Single and double door applications
- Specify NB- for less bottom rod
  – NB not available with HC and WS options
- Devices are ANSI A156.3 - Grade 1
- UL Fire and Panic listed

Specifications for MD8600 & NB-MD8600 Series Exit

<table>
<thead>
<tr>
<th>Specification</th>
<th>MD8600 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Type</td>
<td>Metal Doors</td>
</tr>
<tr>
<td>Door Thickness</td>
<td>1-3/4&quot; (44mm) minimum thickness. For doors over 1-3/4&quot; to 2-1/4&quot; thick, specify thickness and order as 31-</td>
</tr>
<tr>
<td>Cladding</td>
<td>Available for 1/4&quot; on 1/2&quot; panels. Specify 31- and panel thickness on order. Only available on 1-3/4&quot; door thickness. Must be noted separately from door thickness on order string.</td>
</tr>
<tr>
<td>Stile</td>
<td>4-1/2&quot; (114mm) minimum stile width</td>
</tr>
</tbody>
</table>
| Rail sizes as determined by door width | Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied
  • E Rail for 24" to 32" door widths, No cutting required for 32" door
  • F Rail for 33" to 36" door widths, No cutting required for 36" door
  • J Rail for 37" to 42" door widths, No cutting required for 42" door
  • G Rail for 43" to 48" door widths, No cutting required for 48" door |
| Strike                 | 650 Top Strike & 606 Bottom Strike (Panic and Fire Rated) |
| Dogging Feature        | Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied) |
| Electric Options       | AL- Alarm
  PL- SARGuide™ Photoluminescent Coated
  TL- SARGuide™ Illuminated Touchpad
  53- LX Latchbolt Monitor
  54- Outside Lever Monitoring
  55- Request-to-Exit Signal - Rail Monitoring
  56- Remote Latch Retraction
  57- Delay Egress & Electromagnets
  58- Electric Dogging
  59- Electroguard – Self Contained Delayed Egress |
| Mounting Fasteners     | Supplied standard with machine screws |
| Top Bolt               | Stainless steel |
| Device Centerline from Finished Floor | 41" (1041mm) for Standard Applications
  38" (965mm) for elementary schools |
| Door/Opening Height    | Must be specified - 120° (3048mm) Max Door Opening
  96° max door height for HC and WS options |
| Center Case Dimensions | 8-3/8" (213mm) x 2-5/8" (67mm) |
| Projection             | Pushbar Neutral – 3" (76mm)
  Pushbar Depressed – 2-1/8" (54mm) |
| Fire Exit Hardware     | See Chart – Page 6 |

100 Series Aux Control
- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System

650 Top Strike
- For application in hollow metal frames
- Stainless steel nylon coated
- 2-1/2" (64mm)
- 1-1/8" (29mm)
- 1-1/16" (27mm)
- 2-5/8" (67mm)
- 3/32" (4mm)

606 Bottom Strike
- Furnished with expansion shields
- Mortised into floor
- Stainless steel

MD8600(Windstorm Rated) and NB-MD8600 Concealed Vertical Rod Exit Device for Metal Doors

Note: MD8600 & 12-MD8600 can be used as NB- Device by simply not installing the bottom rod/bolt
Note: 12-NB Applications require thermal pin. Thermal Pin supplied when ordered as a 12-NB Device.
MD8600 and NB-MD8600 Functions and Trims for Metal Doors

80 Series

How to order:

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lgnth</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
<th>Door Height</th>
<th>AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sargent Function Numbers</td>
<td>ANSI Function Numbers</td>
<td>Description &amp; Cylinder Info</td>
<td>ANSI Type 8 MD8600 Panic &amp; Fire</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

700 Series ET Trim

- Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

<table>
<thead>
<tr>
<th>Sargent Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info</th>
<th>ANSI Type 8 MD8600 Panic &amp; Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>MD8606 x ET_</td>
</tr>
<tr>
<td>10</td>
<td>01</td>
<td>No outside operation (No Cylinder)*</td>
<td>MD8610</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No outside operation (No Cylinder)* ET Control is used as Pull Only</td>
<td>MD8610 x ET_</td>
</tr>
<tr>
<td>13</td>
<td>08</td>
<td>Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>MD8613 x ET_</td>
</tr>
<tr>
<td>15</td>
<td>14</td>
<td>Passage Only (No cylinder)</td>
<td>MD8615 x ET_</td>
</tr>
<tr>
<td>40</td>
<td>02</td>
<td>Freewheeling Trim - No outside Operation (No Cylinder)** Dummy Trim</td>
<td>MD8640 x ET_</td>
</tr>
<tr>
<td>43</td>
<td>08</td>
<td>Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>MD8643 x ET_</td>
</tr>
<tr>
<td>46</td>
<td>09</td>
<td>Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>MD8646 x ET_</td>
</tr>
<tr>
<td>73</td>
<td></td>
<td>Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*</td>
<td>MD8673 x ET_</td>
</tr>
<tr>
<td>74</td>
<td></td>
<td>Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*</td>
<td>MD8674 x ET_</td>
</tr>
</tbody>
</table>

Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)

MD8600 & NB-MD8600 Series: 706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

Freewheeling Trim

- The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim

- Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

Note: AFF means Above Finished Floor, center line of rail Above Finished Floor

Example Order: MD8673F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

* Cylinder Override is available with a 106 Aux. Control

100 Series Auxiliary Control* & 862 Pull

<table>
<thead>
<tr>
<th>Sargent Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info</th>
<th>MD8600 Panic &amp; Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>12</td>
<td>Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied</td>
<td>MD8610 x 106</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>862 Pull Only (Optional Pulls: 863 &amp; 864)</td>
<td>MD8610 x 862 Pull</td>
</tr>
<tr>
<td>13</td>
<td>11</td>
<td>Key Outside Unlocks/locks Turn #41 Cylinder Supplied</td>
<td>MD8610 x 113</td>
</tr>
</tbody>
</table>

Note: When ordering MD8600/NB-MD8600 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit.

Example: MD8610F x 106 x RHR x 32D x 42" x 90"

Available Finishes

<table>
<thead>
<tr>
<th>Sargent Finishes</th>
<th>BHMA Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>605</td>
</tr>
<tr>
<td>04</td>
<td>606</td>
</tr>
<tr>
<td>09</td>
<td>611</td>
</tr>
<tr>
<td>10</td>
<td>612</td>
</tr>
<tr>
<td>10E</td>
<td>613</td>
</tr>
<tr>
<td>10BL</td>
<td>613E</td>
</tr>
<tr>
<td>14</td>
<td>618</td>
</tr>
<tr>
<td>15</td>
<td>619</td>
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<tr>
<td>20D</td>
<td>624</td>
</tr>
<tr>
<td>26</td>
<td>626</td>
</tr>
<tr>
<td>26D</td>
<td>629</td>
</tr>
<tr>
<td>32D</td>
<td>630</td>
</tr>
<tr>
<td>8SP</td>
<td>WSP</td>
</tr>
</tbody>
</table>

* Only available with 15, 26D and 32D finishes

Experience a safer and more open world

1-800-727-5477 • www.sargentlock.com
**AD8600 and NB-AD8600**  
**Concealed Vertical Rod Exit Device for Aluminum Doors**

---

### AD8600 Series

**Concealed Vertical Rod Exit Device for Aluminum Doors**

---

**Features**

- Designed for standard width stile applications on aluminum doors
- Concealed rods for security and aesthetics
- Single and double door applications
- Specify NB- for less bottom rod
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL305 (Panic) listed only

---

**Specifications for AD8600 & NB-AD8600 Series Exit**

<table>
<thead>
<tr>
<th>Specification</th>
<th>AD8600</th>
<th>NB-AD8600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Type</td>
<td>Aluminum Doors</td>
<td></td>
</tr>
<tr>
<td>Door Thickness</td>
<td>1-3/4&quot; (44mm) minimum thickness. For doors over 1-3/4&quot; to 2-1/4&quot; thick, specify thickness and order as 31-</td>
<td></td>
</tr>
<tr>
<td>Stile</td>
<td>4-1/2&quot; (114mm) minimum stile width</td>
<td></td>
</tr>
</tbody>
</table>
| Rail sizes as determined by door width | Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied  
  - E Rail for 24" to 32' door widths, No cutting required for 32' door  
  - F Rail for 33" to 36' door widths, No cutting required for 36' door  
  - J Rail for 37" to 42' door widths, No cutting required for 42' door  
  - G Rail for 43" to 48' door widths, No cutting required for 48' door |
| Strike                 | 640 Strikes for Top & Bottom Strike |
| Dogging Feature        | Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied) |
| Electric Options       | AL- Alarm  
  PL- SARGuide™ Photoluminescent Coated  
  TL- SARGuide™ Illuminated Touchpad  
  53- LX Latchbolt Monitor  
  54- Outside Lever Monitoring  
  55- Request-to-Exit Signal - Rail Monitoring  
  56- Remote Latch Retraction  
  57- Delay Egress & Electromagnets  
  58- Electric Dogging  
  59- Electroguard – Self Contained Delayed Egress |
| Mounting Fasteners     | Supplied standard with machine screws |
| Top Bolt               | Stainless steel |
| Device Centerline from Finished Floor | 41" (1041mm) for Standard Applications  
  38" (965mm) for elementary schools |
| Door/Open Height       | Must be specified - 120' (3048mm) Max Door Opening |
| Center Case Dimensions | 8-3/8" (213mm) x 2-5/8" (67mm) |
| Projection             | Pushbar Neutral – 3" (76mm)  
  Pushbar Depressed – 2-1/8" (54mm) |
| Fire Exit Hardware     | Not Available |

---

**Note:** AD8600 can be used as NB- Device by simply not installing the bottom rod/bolt.

---

### 100 Series Aux Control

- Available as an 06 or 13 function  
- Supplied with a SARGENT #41 Mortise Cylinder  
- Can be used with any SARGENT Mortise Key System

### 639/640 Strike Kits

- Steel with Black Nylon Coating  
- Machine Screws Supplied  
- 640 Kit contains 2 strikes ('Top & Bottom)  
- 639 Kit contains 1 strike ('Top Only)
### AD8600 and NB-AD8600 Functions and Trims for Aluminum Doors

**80 Series**

<table>
<thead>
<tr>
<th>How to order:</th>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lght</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
<th>Door Height</th>
<th>AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>700 Series ET Trim</strong></td>
<td>SARGENT Function Numbers</td>
<td>ANSI Function Numbers</td>
<td>Description &amp; Cylinder Info</td>
<td>ANSI Type 8 AD8600 Panic</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>1-800-727-5477 • <a href="http://www.sargentlock.com">www.sargentlock.com</a></td>
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<tr>
<td>Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)</td>
<td></td>
<td></td>
<td>(1-3/4’ Door)</td>
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</tr>
<tr>
<td>06 09</td>
<td>Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>AD8606 ET_</td>
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<td></td>
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<td></td>
<td></td>
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<tr>
<td>10 01</td>
<td>No outside operation (No Cylinder)*</td>
<td>AD8610</td>
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<tr>
<td>13 08</td>
<td>Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>AD8613 ET_</td>
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<td></td>
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<tr>
<td>15 14</td>
<td>Passage Only (No cylinder)</td>
<td>AD8615 ET_</td>
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<tr>
<td>40 02</td>
<td>Freewheeling Trim - No operation (No Cylinder)* Dummy Trim</td>
<td>AD8640 ET_</td>
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</tr>
<tr>
<td>43 08</td>
<td>Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>AD8643 ET_</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>46 09</td>
<td>Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>AD8646 ET_</td>
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</tr>
<tr>
<td>73</td>
<td>Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*</td>
<td>AD8673 ET_</td>
<td></td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>74</td>
<td>Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*</td>
<td>AD8674 ET_</td>
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</tr>
</tbody>
</table>

**Lever Designs for ET Controls**

- A, B, E, F, J, L, P, W
- Also available with Coastal Series & Studio Collection Levers

**ET Designation with Suffix** (Used to order ET without device)

<table>
<thead>
<tr>
<th>AD8600 &amp; NB-AD8600 Series:</th>
<th>706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, &amp; 774-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>09 10 08 100 Series Aux. Control</td>
<td>862 Pull</td>
</tr>
</tbody>
</table>

**Freewheeling Trim**

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

**Electrified ET Trim**

Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

**Available Finishes**

<table>
<thead>
<tr>
<th>SARGENT Finishes</th>
<th>BHMA Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>06 04 09 10 108 108E 108L 14 15 20D 26 26D 32 32D 32P</td>
<td>605 606 611 612 613 613E 613L 618 619 624 625 626 629 630</td>
</tr>
</tbody>
</table>

**Note:** Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

**Note:** AFF means Above Finished Floor, center line of rail Above Finished Floor

* Cylinder Override is available with a 106 Aux Control

Example Order: AD8673F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

* Only available with 15, 20D and 32D finishes

Example: AD8610F x 106 x RHR x 32D x 42" x 90"
WD8600 and NB-WD8600
Concealed Vertical Rod Exit Device for Wood Doors

WD8600 Series
Concealed Vertical Rod Exit Device for Wood Doors

Specifications for WD8600 & NB-WD8600 Series Exit

<table>
<thead>
<tr>
<th>Door Type</th>
<th>Wood Doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Thickness</td>
<td>1-3/4&quot; (44mm) minimum thickness. For doors over 1-3/4&quot; to 2-1/4&quot; thick, specify thickness and order as 31-</td>
</tr>
<tr>
<td>Stile</td>
<td>4-1/2&quot; (114mm) minimum stile width</td>
</tr>
<tr>
<td>Rail sizes as determined by door width</td>
<td>Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied</td>
</tr>
<tr>
<td>E Rail for 24&quot; to 32&quot; door widths, No cutting required for 32&quot; door</td>
<td></td>
</tr>
<tr>
<td>F Rail for 33&quot; to 36&quot; door widths, No cutting required for 36&quot; door</td>
<td></td>
</tr>
<tr>
<td>J Rail for 37&quot; to 42&quot; door widths, No cutting required for 42&quot; door</td>
<td></td>
</tr>
<tr>
<td>G Rail for 43&quot; to 48&quot; door widths, No cutting required for 48&quot; door</td>
<td></td>
</tr>
<tr>
<td>Strike</td>
<td>650 Top Strike &amp; 606 Bottom Strike (Panic and Fire Rated)</td>
</tr>
<tr>
<td>Dogging Feature</td>
<td>Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)</td>
</tr>
<tr>
<td>Electric Options</td>
<td>AL- Alarm</td>
</tr>
<tr>
<td>PL- SARGuide™ Photoluminescent Coated</td>
<td></td>
</tr>
<tr>
<td>TL- SARGuide™ Illuminated Touchpad</td>
<td></td>
</tr>
<tr>
<td>53- LX Latchbolt Monitor</td>
<td></td>
</tr>
<tr>
<td>54- Outside Lever Monitoring</td>
<td></td>
</tr>
<tr>
<td>55- Request-to-Exit Signal - Rail Monitoring</td>
<td></td>
</tr>
<tr>
<td>56- Remote Latch Retraction</td>
<td></td>
</tr>
<tr>
<td>57- Delay Egress &amp; Electromagnets</td>
<td></td>
</tr>
<tr>
<td>58- Electric Dogging</td>
<td></td>
</tr>
<tr>
<td>59- Electrogard – Self Contained Delayed Egress</td>
<td></td>
</tr>
<tr>
<td>Mounting Fasteners</td>
<td>Supplied standard with wood screws</td>
</tr>
<tr>
<td>Top Bolt</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Device Centerline from Finished Floor</td>
<td>41&quot; (1041mm) for Standard Applications</td>
</tr>
<tr>
<td>38&quot; (965mm) for elementary schools</td>
<td></td>
</tr>
<tr>
<td>Door/Opening Height</td>
<td>Must be specified - 108&quot; (2743mm) Max Door Opening - Fire rated doors</td>
</tr>
<tr>
<td>120&quot; (3048mm) Max Door Opening - Non-fire rated doors</td>
<td></td>
</tr>
<tr>
<td>Center Case Dimensions</td>
<td>8-3/8&quot; (213mm) x 2-5/8&quot; (67mm)</td>
</tr>
<tr>
<td>Projection</td>
<td>Pushbar Neutral – 3&quot; (76mm)</td>
</tr>
<tr>
<td>Pushbar Depressed – 2-1/8&quot; (54mm)</td>
<td></td>
</tr>
<tr>
<td>Fire Exit Hardware</td>
<td>See Chart – Page 6</td>
</tr>
</tbody>
</table>

Note: WD8600 & 12-WD8600 can be used as NB- Device by simply not installing the bottom rod/bolt
Note: 12-NB applications require thermal pin. Thermal pin supplied when ordered as a 12-NB device

Features
- Designed for standard width stile applications on wood doors
- Concealed rods offer security
- Single and double door applications
- Specify NB- for less bottom rod
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed

100 Series Aux Control
- Available as an O6 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System

606 Bottom Strike
- Furnished with expansion shields
- Mortised into floor
- Stainless steel

650 Top Strike
- For application in hollow metal frames
- Stainless steel

Experience a safer and more open world
### WD8600 and NB-WD8600 Functions and Trims for Wood Doors

**80 Series**

#### How to order:

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lgh</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
<th>Door Height</th>
<th>AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>S8-NB</td>
<td>WD86</td>
<td>13</td>
<td>F</td>
<td>ETL</td>
<td>RHR</td>
<td>26D</td>
<td>32D</td>
<td>36°</td>
<td>84°</td>
<td>41°</td>
</tr>
</tbody>
</table>

#### 700 Series ET Trim

- **Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)**

#### Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

#### ET Designation with Suffix

(Used to order ET without device)

MD8600 & NB-MD8600 Series: 706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

#### Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

#### Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

### 100 Series Auxiliary Control* & 862 Pull

#### SARGENT Function Numbers | ANSI Function Numbers | Description & Cylinder Info | WD8600 Panic & Fire
---|---|---|---
06 | 09 | Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied | WD8606 x ET_
10 | 01 | No outside operation (No Cylinder)* | WD8610
10 | 02 | No outside operation (No Cylinder)* ET Control is used as Pull Only | WD8610 x ET_
13 | 08 | Key Outside Unlock/locks Trim #41 Cylinder Supplied | WD8613 x ET_
15 | 14 | Passage Only (No cylinder) | WD8615 x ET_
40 | 02 | Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim | WD8640 x ET_
43 | 08 | Freewheeling Trim - Key Outside Unlock/locks Trim #41 Cylinder Supplied | WD8643 x ET_
46 | 09 | Freewheeling Trim - Key outside Unlock/locks Trim #41 Cylinder Supplied | WD8646 x ET_
73 | | Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)* | WD8673 x ET_
74 | | Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)* | WD8674 x ET_

**Note:** Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

**Note:** AFF means Above Finished Floor, center line of rail Above Finished Floor

#### Cylinder Options:


### Available Finishes

#### SARGENT Finishes

- 03
- 04
- 09
- 10
- 10B
- 10BL
- 14
- 15
- 20D
- 26
- 26D
- 32
- 32D
- 32F
- 32G
- 32H
- 32J
- 32K
- 32L
- 32M
- 32N
- 32P
- 32Q
- 32R
- 32S
- 32T
- 32U
- 32V
- 32W
- 32X
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#### BHMA Finishes

- 03
- 04
- 09
- 10
- 10B
- 10BL
- 14
- 15
- 20D
- 26
- 26D
- 32
- 32D
- 32F
- 32G
- 32H
- 32J
- 32K
- 32L
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**Note:** Only available with 15, 26D and 32D finishes

---

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8500 Narrow Design Rim Exit Device

80 Series

8500 Features
- Designed for narrow stile applications (e.g., aluminum frame full glass doors)
- Single and double doors with mullion
- Single point rim latching device
- Quiet operation and solid security
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed

8500 Series
Narrow Design Rim Exit Device

Specifications for 8500 Series Exit

<table>
<thead>
<tr>
<th>Door Type</th>
<th>Wood or metal Doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Thickness</td>
<td>1-3/4” (44mm) minimum thickness. For doors over 1-3/4” to 2-1/4” thick, specify thickness and order as 31-</td>
</tr>
<tr>
<td>Rail sizes as determined by door width</td>
<td>Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied</td>
</tr>
<tr>
<td>Rail sizes as determined by door width</td>
<td>E Rail for 24” to 32” door widths</td>
</tr>
<tr>
<td>Rail sizes as determined by door width</td>
<td>F Rail for 33” to 36” door widths</td>
</tr>
<tr>
<td>Rail sizes as determined by door width</td>
<td>G Rail for 43” to 48” door widths</td>
</tr>
<tr>
<td>Strike</td>
<td>657 Strike; Supplied standard for panic devices</td>
</tr>
<tr>
<td>Strike</td>
<td>656 Strike; Supplied standard for panic devices</td>
</tr>
<tr>
<td>Strike</td>
<td>649 Strike; Supplied standard for fired rated devices</td>
</tr>
<tr>
<td>Strike</td>
<td>Optional Strikes – 649, 658 Standard with 650A Mullion</td>
</tr>
<tr>
<td>Dogging Feature</td>
<td>Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)</td>
</tr>
<tr>
<td>Electric Options</td>
<td>AL- Alarm</td>
</tr>
<tr>
<td>Electric Options</td>
<td>PL- SARGuide™ Photoluminescent Coated</td>
</tr>
<tr>
<td>Electric Options</td>
<td>TL- SARGuide™ Illuminated Touchpad</td>
</tr>
<tr>
<td>Electric Options</td>
<td>53- LX Latchbolt Monitor</td>
</tr>
<tr>
<td>Electric Options</td>
<td>54- Outside Lever Monitoring</td>
</tr>
<tr>
<td>Electric Options</td>
<td>55- Request-to-Exit Signal - Rail Monitoring</td>
</tr>
<tr>
<td>Electric Options</td>
<td>56- Remote Latch Retraction</td>
</tr>
<tr>
<td>Electric Options</td>
<td>57- Delay Egress &amp; Electromagnets</td>
</tr>
<tr>
<td>Electric Options</td>
<td>58- Electric Dogging</td>
</tr>
<tr>
<td>Electric Options</td>
<td>59- Electroguard – Self Contained Delayed Egress</td>
</tr>
<tr>
<td>Mounting Fasteners</td>
<td>Supplied standard with wood and machine screws</td>
</tr>
<tr>
<td>Mounting Fasteners</td>
<td>Available with through-bolts and mortise (sex) nuts</td>
</tr>
<tr>
<td>Latch Bolt</td>
<td>Stainless steel, 3/4” (19mm) throw</td>
</tr>
<tr>
<td>Device Centerline from Finished Floor</td>
<td>41” (1041 mm) for Standard Applications</td>
</tr>
<tr>
<td>Center Case Dimensions</td>
<td>8-5/16” (211mm) x 1-1/16” (27mm)</td>
</tr>
<tr>
<td>Projection</td>
<td>Pushbar Neutral – 3” (77mm)</td>
</tr>
<tr>
<td>Projection</td>
<td>Pushbar Depressed – 2-1/8” (54mm)</td>
</tr>
<tr>
<td>Fire Exit Hardware</td>
<td>See Chart – Page 6</td>
</tr>
</tbody>
</table>

604 Wear Plate Kit
- Designed for use with narrow stile aluminum doors |
- Field cut to accommodate all door frame face sizes

649 Standard Strike for 12-8500
- Surface applied |
- Black nylon coated

651 Mullion Stabilizer Kit
- Stabilizer block |
- Furnished standard w/650A Mullion |
- Order as a 651 Kit

656 Mullion Strike
- Surface applied |
- Use with 980 mullions |
- Black nylon coated

657 Standard Strike for 8500
- Surface applied or mortised |
- For use on frames with blade stop or integral stop |
- Black nylon coated

658 Strike alternative for 8500
- Packed standard with 650A mullion |
- Can be ordered separately for surface application to frames |
- Black nylon coated

668 Shim Kits for 8500
- Two Chassis Shims and Two End Cap Shims |
- Shims are 1/8” for a total height of 1/4”

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### Electrified ET Trim - Fail Secure

- **862 Pull Only**
- **Passage Only (No Cylinder)**
- **No outside operation (No Cylinder)**

#### ET Designations with Suffix

- **8510**
- **8573 x ET**
- **8500 Panic**

#### How to order:

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lgh</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>8500</td>
<td>85</td>
<td>13</td>
<td>F</td>
<td>ETL</td>
<td>15</td>
<td>32D</td>
<td>32</td>
<td>36</td>
</tr>
</tbody>
</table>

### Lever Designs for ET Controls

- A, B, E, F, J, L, P, W

### Freewheeling Trim

- The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever.

### Electrified ET Trim

- Voltage must be specified for the following functions: 73 and 74.
- Specify: 12VDC or 24VDC.

### Options

- **8500**

#### SARGENT ANSI Function Numbers

<table>
<thead>
<tr>
<th>Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info. (1-3/4&quot; Door)</th>
</tr>
</thead>
<tbody>
<tr>
<td>04*</td>
<td>03</td>
<td>Night Latch</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Key Retracts Latch</td>
</tr>
<tr>
<td></td>
<td></td>
<td>#34 Cylinder Supplied</td>
</tr>
<tr>
<td>06</td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch(No Cylinder)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Trim relocks when key is removed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>#41 Cylinder Supplied</td>
</tr>
<tr>
<td>10</td>
<td>01</td>
<td>No outside operation (No Cylinder)</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No outside operation (No Cylinder)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ET Control is used as Pull Only</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dummy Trim</td>
</tr>
<tr>
<td>13</td>
<td>08</td>
<td>Key Outside Unlocks/locks Trim</td>
</tr>
<tr>
<td></td>
<td></td>
<td>#41 Cylinder Supplied</td>
</tr>
<tr>
<td>15</td>
<td>14</td>
<td>Passage Only (No cylinder)</td>
</tr>
<tr>
<td>40</td>
<td>02</td>
<td>Freewheeling Trim -</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No outside operation (No Cylinder)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(No Cylinder) Dummy Trim</td>
</tr>
<tr>
<td>43</td>
<td>08</td>
<td>Freewheeling Trim -</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Key Outside Unlocks/locks Trim</td>
</tr>
<tr>
<td></td>
<td></td>
<td>#41 Cylinder Supplied</td>
</tr>
<tr>
<td>44</td>
<td>03</td>
<td>Freewheeling Trim -</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Key Retracts Latch</td>
</tr>
<tr>
<td></td>
<td></td>
<td>#34 Cylinder Supplied</td>
</tr>
<tr>
<td>46</td>
<td>09</td>
<td>Freewheeling Trim -</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Key unlocks Trim, Trim retracts latch(No Cylinder)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Trim relocks when key is removed</td>
</tr>
<tr>
<td></td>
<td></td>
<td>#41 Cylinder Supplied</td>
</tr>
<tr>
<td>73</td>
<td></td>
<td>Electrified ET Trim - Fail Safe</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Power Off, Unlocks Lever (No Cylinder)**</td>
</tr>
<tr>
<td>74</td>
<td></td>
<td>Electrified ET Trim - Fail Secure</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Power Off, Locks Lever (No Cylinder)**</td>
</tr>
</tbody>
</table>

#### Note:

- Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices in 32 or 32D to match accordingly. 32or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify
- Cylinder override is not available with 8500 Series Devices

### Cylinder Options:


### Finishes

<table>
<thead>
<tr>
<th>BHMA Finishes</th>
<th>SARGENT Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>605</td>
</tr>
<tr>
<td>04</td>
<td>606</td>
</tr>
<tr>
<td>09</td>
<td>611</td>
</tr>
<tr>
<td>10</td>
<td>612</td>
</tr>
<tr>
<td>10B</td>
<td>613</td>
</tr>
<tr>
<td>10BL</td>
<td>613E</td>
</tr>
<tr>
<td>14</td>
<td>618</td>
</tr>
<tr>
<td>15</td>
<td>619</td>
</tr>
<tr>
<td>20</td>
<td>624</td>
</tr>
<tr>
<td>26</td>
<td>625</td>
</tr>
<tr>
<td>26D</td>
<td>626</td>
</tr>
<tr>
<td>32</td>
<td>629</td>
</tr>
<tr>
<td>32D</td>
<td>630</td>
</tr>
<tr>
<td>BSP</td>
<td></td>
</tr>
<tr>
<td>WSP</td>
<td></td>
</tr>
</tbody>
</table>

**Available Finishes**

- **8500 Panic**
- **8500 Narrow Design Rim Exit Device Functions & Trim**
- **80 Series**

**Series**

<table>
<thead>
<tr>
<th>Trim designations</th>
</tr>
</thead>
<tbody>
<tr>
<td>8504 x 862 Pull only</td>
</tr>
<tr>
<td>8510 x 862 Pull only</td>
</tr>
</tbody>
</table>

**Options**

<table>
<thead>
<tr>
<th>8500</th>
</tr>
</thead>
</table>

**How to order:**

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lgh</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>8500</td>
<td>85</td>
<td>13</td>
<td>F</td>
<td>ETL</td>
<td>15</td>
<td>32D</td>
<td>32</td>
<td>36</td>
</tr>
</tbody>
</table>
AD8500 Narrow Design Rim Exit Device for Aluminum Doors

80 Series

AD8500 Series
Narrow Design Rim Exit Device

Specifications for AD8500 Series Exit

<table>
<thead>
<tr>
<th>Door Type</th>
<th>Aluminum Doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Thickness</td>
<td>1-3/4” (44mm) minimum thickness. For doors over 1-3/4” to 2 1/4” thick, specify thickness and order as 31-</td>
</tr>
<tr>
<td>Stile</td>
<td>2” (114mm) minimum stile (Less Trim)</td>
</tr>
<tr>
<td>Rail sizes as determined by door width</td>
<td>Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied</td>
</tr>
<tr>
<td>E Rail for 24” to 32” door widths</td>
<td></td>
</tr>
<tr>
<td>F Rail for 33” to 36” door widths</td>
<td></td>
</tr>
<tr>
<td>J Rail for 37” to 42” door widths</td>
<td></td>
</tr>
<tr>
<td>G Rail for 43” to 48” door widths</td>
<td></td>
</tr>
<tr>
<td>Dogging Feature</td>
<td>Hex key dogging standard; specify 16- for cylinder dogging (#41 cylinder supplied)</td>
</tr>
<tr>
<td>Mounting Fasteners</td>
<td>Supplied standard with wood and machine screws Available with through-bolts and mortise (sex) nuts</td>
</tr>
<tr>
<td>Latch Bolt</td>
<td>Stainless steel, 3/4” (19mm) throw</td>
</tr>
<tr>
<td>Device Centerline from Finished Floor</td>
<td>41” (1041 mm) for Standard Applications</td>
</tr>
<tr>
<td>Center Case Dimensions</td>
<td>8-5/16” (211mm) x 1-1/16” (27mm)</td>
</tr>
<tr>
<td>Projection</td>
<td>Pushbar Neutral – 3” (77mm) Pushbar Depressed – 2-1/8” (54mm)</td>
</tr>
</tbody>
</table>

535 Kit for Windstorm Applications (WS-AD8500)
- Two Chassis Shims and Two End Cap Shims
- Shims are 1/8” for a total height of 1/4”
- 649 Strike Pack
- 651 Stabilizer Kit

AD8500 Features
- Designed for narrow stile applications (e.g., aluminum frame full glass doors)
- Single and double doors with mullion
- Single point rim latching device
- Quiet operation and solid security
- Devices are ANSI/BHMA A156.3 - Grade 1
- Available Windstorm-rated; order WS-

657 Standard Strike for 8500
- Surface applied or mortised
- For use on frames with blade stop or integral stop
- Black nylon coated

651 Mullion Stabilizer Kit
- Stabilizer block
- Furnished standard w/650A Mullion
- Order as a 651 Kit

656 Mullion Strike
- Surface applied
- Use with 980 mullions
- Black nylon coated

604 Wear Plate Kit
- Surface applied
- Accommodates all sizes of door frame face
AD8500 Narrow Design Rim Exit Device Functions & Trim

**80 Series**

<table>
<thead>
<tr>
<th>How to order:</th>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lth</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1-83-56</td>
<td></td>
<td>AD85</td>
<td>13</td>
<td>ETL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**700 Series ET Trim**
Exits with ET Trim, specify lever design after the ET designation (e.g., ET_)

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info. (1-3/4&quot; Door)</th>
<th>ANSI Type 4 AD8500 Panic</th>
</tr>
</thead>
<tbody>
<tr>
<td>04*</td>
<td>03</td>
<td>Night Latch</td>
<td>AD8504 x ET_</td>
</tr>
<tr>
<td>06</td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch/</td>
<td>AD8506 x ET_</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Trim relocks when key is removed</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>01</td>
<td>No outside operation (No Cylinder)</td>
<td>AD8510</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No outside operation (No Cylinder) ET</td>
<td>AD8510 x ET_</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Control is used as Pull Only</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>08</td>
<td>Key Outside Unlocks/locks Trim</td>
<td>AD8513 x ET_</td>
</tr>
<tr>
<td></td>
<td></td>
<td>#41 Cylinder Supplied</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>14</td>
<td>Passage Only (No cylinder)</td>
<td>AD8515 x ET_</td>
</tr>
<tr>
<td>40</td>
<td>02</td>
<td>Freewheeling Trim -</td>
<td>AD8540 x ET_</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No outside operation (No Cylinder)</td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>08</td>
<td>Freewheeling Trim -</td>
<td>AD8543 x ET_</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Key Outside Unlocks/locks Trim</td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>03</td>
<td>Freewheeling Trim -</td>
<td>AD8544 x ET_</td>
</tr>
<tr>
<td></td>
<td></td>
<td>#41 Cylinder Supplied</td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>09</td>
<td>Freewheeling Trim -</td>
<td>AD8546 x ET_</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Key unlocks Trim, Trim retracts latch/</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Trim relocks when key is removed</td>
<td></td>
</tr>
<tr>
<td>73</td>
<td></td>
<td>Electrified ET Trim - Fail Safe</td>
<td>AD8573 x ET_</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Power Off, Unlocks Lever (No Cylinder)**</td>
<td></td>
</tr>
<tr>
<td>74</td>
<td></td>
<td>Electrified ET Trim - Fail Secure</td>
<td>AD8574 x ET_</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Power Off, Latches Lever (No Cylinder)**</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

* Consult factory when using with cylinders from other manufacturers
** Cylinder override is not available with AD8500 Series Devices

**Lever Designs for ET Controls**
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

**ET Designation with Suffix**
(Used to order ET without device)
AD8500 Series: 704, 706-8, 710, 713-8, 715-8, 740, 743-8, 744, 746-8, 773-8, 774-8

**Electrified ET Trim**
Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

**Freewheeling Trim**
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

**Servicing Options**
- **Mechanical Options:**
  - 12-
  - 16-
  - 19-
  - 31-
  - 36-
  - 37-
  - 43-
  - 53-
  - 54-
  - 55-
  - 56-
  - 56-HK-
  - 57-
  - 58-
  - SCH-
  - 8C-59-
  - 76-
  - 86-
  - 87-
  - 88-
  - 92-
  - BT-
  - CPC-
  - GL-
  - LD-
  - PL-
  - TL-
  - WC-

- **Cylinder Options:**
  - 10-
  - 10-21-
  - 10-63-
  - 11-
  - 11-21-
  - 11-60-
  - 11-63-
  - 11-70-TP-
  - 11-72-TP-
  - 11-73-TP-
  - 11-65-73-7P-
  - 21-
  - 22-
  - 26-
  - 30-
  - 36-
  - 43-
  - 44-
  - 51-
  - 52-
  - 60-
  - 63-
  - 64-
  - 66-
  - 70-
  - 72-
  - 73-
  - 77-
  - 84-
  - 85-
  - 86-
  - 87-
  - 88-
  - 92-
  - F1-82-
  - F1-83-
  - F1-84-

**Series**
AD8500 Panic

**Trim Designations**

<table>
<thead>
<tr>
<th>Pull Trim Section</th>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info. (1-3/4&quot; Door)</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>862 Pull</td>
<td>04</td>
<td>03</td>
<td>Night Latch</td>
<td>AD8504 x 862 Pull only</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>02</td>
<td>862 Pull Only (Optional Pulls 863 &amp; 864)</td>
<td>AD8510 x 862 Pull only</td>
</tr>
</tbody>
</table>

**Available Finishes**

<table>
<thead>
<tr>
<th>SARGENT Finishes</th>
<th>RHMA Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>605</td>
</tr>
<tr>
<td>04</td>
<td>606</td>
</tr>
<tr>
<td>09</td>
<td>611</td>
</tr>
<tr>
<td>10</td>
<td>612</td>
</tr>
<tr>
<td>10B</td>
<td>613</td>
</tr>
<tr>
<td>10BE</td>
<td>613E</td>
</tr>
<tr>
<td>10BL</td>
<td>613L</td>
</tr>
<tr>
<td>14</td>
<td>618</td>
</tr>
<tr>
<td>15</td>
<td>619</td>
</tr>
<tr>
<td>20D</td>
<td>624</td>
</tr>
<tr>
<td>26</td>
<td>625</td>
</tr>
<tr>
<td>26D</td>
<td>626</td>
</tr>
<tr>
<td>32</td>
<td>629</td>
</tr>
<tr>
<td>32D</td>
<td>630</td>
</tr>
<tr>
<td>BSP</td>
<td></td>
</tr>
<tr>
<td>WSP</td>
<td></td>
</tr>
</tbody>
</table>

* Only available with 15, 26D and 32D finishes

Experience a safer and more open world
8300 Series
Narrow Design Mortise Lock Exit Device

Specifications for 8300 Mortise Lock Exit

<table>
<thead>
<tr>
<th>Door Type</th>
<th>Wood or metal doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Thickness</td>
<td>1-3/4&quot; (44mm) minimum thickness. For doors over 1-3/4&quot; to 2-1/4&quot; thick, specify thickness and order as 31-</td>
</tr>
<tr>
<td>Stile</td>
<td>4-1/2&quot; (114mm) minimum stile width</td>
</tr>
<tr>
<td>Rail sizes as determined by door width</td>
<td>Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied:  E Rail for 24&quot; to 32&quot; door widths, No cutting required for 32&quot; door  F Rail for 33&quot; to 36&quot; door widths, No cutting required for 36&quot; door  J Rail for 37&quot; to 42&quot; door widths, No cutting required for 42&quot; door  G Rail for 43&quot; to 48&quot; door widths, No cutting required for 48&quot; door</td>
</tr>
<tr>
<td>Strike</td>
<td>C908 Standard Black Nylon Coated – ANSI Prep A115.1</td>
</tr>
<tr>
<td>Dogging Feature</td>
<td>Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)</td>
</tr>
<tr>
<td>Mounting Fasteners</td>
<td>Supplied standard with wood and machine screws  Available with through-bolts and mortise(sex) nuts</td>
</tr>
<tr>
<td>Latch Bolt</td>
<td>Brass Nickel Plated, 3/4&quot; (19mm) throw, anti-friction</td>
</tr>
<tr>
<td>Guarded/Deadlatch</td>
<td>Brass, sliding type</td>
</tr>
<tr>
<td>Device Centerline from Finished Floor</td>
<td>41&quot; (1041 mm) for Standard Applications</td>
</tr>
<tr>
<td>Center Case Dimensions</td>
<td>8-5/16&quot; (211mm) x 1-1/16&quot; (27mm)</td>
</tr>
<tr>
<td>Projection</td>
<td>Pushbar Neutral – 3&quot; (76mm)  Pushbar Depressed – 2-1/8&quot; (54mm)</td>
</tr>
<tr>
<td>Fire Exit Hardware</td>
<td>See Chart – Page 6</td>
</tr>
</tbody>
</table>

8300 Features
- Designed for standard width stiles with a narrow design look
- Through-bolted trim for quiet operation and security
- Single door applications
- Double door applications with Mortise Lock x Vertical Rod Device
- UL10C (Fire) and UL305 (Panic) listed
- Devices are ANSI/BHMA A156.3 - Grade 1

C908 Standard Strike
- Curved lip ANSI A-115.1
- Handed. 1-1/4" (32mm) lip standard
- Longer lips in increments of 1/4" (6mm) through 2-7/8" (73mm) available
- Black nylon coated

Single Door

Pair of Doors

815 Open Back Strike
- ANSI A-115.14 Open Back
- Beveled 1/8" (3mm) in 2" (51mm)
- Specify hand of active door
- Black nylon coat
- “B” label
# 8300 Narrow Design Mortise Lock Exit Device Functions & Trim

## 80 Series

### How to order:

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Trim</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-83</td>
<td>13</td>
<td>19 F</td>
<td>ETL</td>
<td>RHR</td>
<td>26D</td>
<td>32D</td>
</tr>
</tbody>
</table>

### 700 Series ET Trim
- Exits with ET Trim, specify lever design after the ET designation (e.g., ET_)

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4&quot; Door)</th>
<th>ANSI Type 10 8300</th>
</tr>
</thead>
<tbody>
<tr>
<td>04 03</td>
<td>Night Latch Key Retracts Latch #46 Cylinder Supplied</td>
<td>8304 x ET_</td>
<td></td>
</tr>
<tr>
<td>10 01</td>
<td>No outside operation (No Cylinder)</td>
<td>8310</td>
<td></td>
</tr>
<tr>
<td>10 02</td>
<td>No outside operation (No Cylinder) ET Control is used as Pull Only</td>
<td>8310 x ET_</td>
<td></td>
</tr>
<tr>
<td>13 08</td>
<td>Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>8313 x ET_</td>
<td></td>
</tr>
</tbody>
</table>

### Lever Designs for ET Controls
- A, B, E, F, J, L, P, W
- Also available with Coastal Series & Studio Collection Levers

### ET Designation with Suffix (Used to order ET without device)
- 8300 Series: 704, 710, 713, 715, 740, 743, 744, 773, 774, 775 & 776

### Freewheeling Trim
- The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

### Electrified ET Trim and Electrified Mortise Locks
- Voltage must be specified for the following functions: 73, 74, 75 and 76.
- Specify: 12VDC or 24VDC

### Freewheeling Trim
- Key Outside Unlocks/locks Trim #41 Cylinder Supplied

### Electrified ET Trim
- Electrified ET Trim - Fail Safe Power Off, Unlocks Lever, Key Retracts Latch For 1-3/4" Door #46 Cylinder Supplied

### Pull & Thumbpiece Trim Section

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4&quot; Door)</th>
<th>Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>04 03</td>
<td>Night Latch Key Retracts Latch #46 Cylinder Supplied</td>
<td>8304 x Trim Designation 8300 Panic &amp; Fire</td>
<td></td>
</tr>
<tr>
<td>10 02</td>
<td>No O/S Operation or Cylinder (Pull Only)</td>
<td>8310 x Trim Designation 8300 Panic &amp; Fire</td>
<td></td>
</tr>
<tr>
<td>28 15</td>
<td>Passage Only (No Cylinder)</td>
<td>8328 x Trim Designation 8300 Panic &amp; Fire</td>
<td></td>
</tr>
<tr>
<td>63 05</td>
<td>Key Outside Unlocks/locks Thumbpiece #41 Cylinder Supplied</td>
<td>8363 x Trim Designation 8300 Panic &amp; Fire</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Thumbpiece Trims used with Mortise Lock Exit Devices are hand

**Note:** Thumbpiece trims for 63 function devices are identified as 66 function when trim is ordered separately

**Note:** FLW trim is not available in 32(629) or 32D(630)

**Note:** Pulls and thumb piece trims are not available in 14, 15, 26 or 26D

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MD8400 and NB-MD8400 Narrow Stile Concealed Vertical Rod Exit Device for Metal Doors

80 Series

MD8400 Series
Concealed Vertical Rod Exit Device for Metal Doors

MD8400 & NB-MD8400 Features
• Designed for narrow stile applications (e.g., full glass doors)
• Concealed rods for security and aesthetics
• UL10C (Fire) and UL305 (Panic) listed
• Specify NB- for less bottom rod
• NB- Devices allows free access for wheelchairs and carts. No bottom strike eliminates tripping potential
• All functions determined by outside trim
• Devices are ANSI/BHMA A156.3 - Grade 1

Specifications for MD8400 & NB-MD8400 Exit

<table>
<thead>
<tr>
<th>Door Type</th>
<th>Hollow Metal Doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Thickness</td>
<td>1-3/4&quot; (44mm) minimum thickness. For doors over 1-3/4&quot; to 2-1/4&quot; thick, specify thickness and order as 31-</td>
</tr>
<tr>
<td>Stile</td>
<td>1-3/4&quot; (44mm) minimum stile width required. Stile must be hollow with inside dimension of at least 1-1/8&quot; (35mm) square</td>
</tr>
<tr>
<td>Rail sizes as determined by door width</td>
<td>Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied</td>
</tr>
<tr>
<td>Strike</td>
<td>650 Top Strike &amp; 606 Bottom Strike (Panic and Fire Rated)</td>
</tr>
<tr>
<td>Dookey dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)</td>
<td></td>
</tr>
<tr>
<td>Electric Options</td>
<td>AL- Alarm</td>
</tr>
<tr>
<td>PL- SARGuide™ Photoluminescent Coated</td>
<td></td>
</tr>
<tr>
<td>TL- SARGuide™ Illuminated Touchpad</td>
<td></td>
</tr>
<tr>
<td>53- LX Latchbolt Monitor</td>
<td></td>
</tr>
<tr>
<td>54- Outside Lever Monitoring</td>
<td></td>
</tr>
<tr>
<td>55- Request-to-Exit Signal - Rail Monitoring</td>
<td></td>
</tr>
<tr>
<td>56- Remote Latch Retraction</td>
<td></td>
</tr>
<tr>
<td>57- Delay Egress &amp; Electromagnets</td>
<td></td>
</tr>
<tr>
<td>58- Electric Dogging</td>
<td></td>
</tr>
<tr>
<td>59- Electroguard – Self Contained Delayed Egress</td>
<td></td>
</tr>
<tr>
<td>Mounting Fasteners</td>
<td>Supplied standard with machine screws</td>
</tr>
<tr>
<td>Top Bolt</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Device Centerline from Finished Floor</td>
<td>41&quot; (1041mm) for Standard Applications</td>
</tr>
<tr>
<td>38&quot; (965mm) for elementary schools</td>
<td></td>
</tr>
<tr>
<td>Door/Opening Height</td>
<td>Must be specified - 120&quot; (3048mm) Max Door Opening</td>
</tr>
<tr>
<td>Center Case Dimensions</td>
<td>8-3/8&quot; (213mm) x 2-5/8&quot; (67mm)</td>
</tr>
<tr>
<td>Projection Pushbar Neutral – 3&quot; (76 mm)</td>
<td></td>
</tr>
<tr>
<td>Pushbar Depressed – 2-1/8&quot; (54mm)</td>
<td></td>
</tr>
<tr>
<td>Fire Exit Hardware</td>
<td>See Chart – Page 6</td>
</tr>
</tbody>
</table>

MD8400 and NB-MD8400 Narrow Stile Concealed Vertical Rod Exit Device for Metal Doors

Note: MD8400 & 12-MD8400 can be used as NB- device by simply not installing the bottom rod/bolt
Note: 12-NB applications require thermal pin. Thermal pin supplied when ordered as a 12-NB device

100 Series Aux Control
• Available as an 06 or 13 function
• Supplied with a SARGENT #41 Mortise Cylinder
• Can be used with any SARGENT Mortise Key System

650 & 652 Strike Packs
• Stainless steel
• 650 & 652 Strike Packs contain the same strike
• 650 Strike Pack contains 1 strike for Top Bolt
• 652 Strike Pack contains 2 strikes for Top & Bottom

606 Bottom Strike (12-)
• Furnished with expansion shields
• Mortised into floor
• Stainless steel
• Bottom strike for 12-MD8400
MD8400 and NB-MD8400
Functions and Trims for Metal Doors

80 Series

How to order:

<table>
<thead>
<tr>
<th>55-</th>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>13</th>
<th>Rail Lgth</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
<th>Door Height</th>
<th>AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARGENT Function Numbers</td>
<td>ANSI Function Numbers</td>
<td>Description &amp; Cylinder Info (1-3/4&quot; Door)</td>
<td>ANSI Type 6 8400 Panic &amp; Fire</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>06</td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>MD8406 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>01</td>
<td>No outside operation (No Cylinder)*</td>
<td>MD8410</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No outside operation (No Cylinder)* ET Control is used as Pull Only</td>
<td>MD8410 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>08</td>
<td>Key Outside Unlocks/latches Trim #41 Cylinder Supplied</td>
<td>MD8413 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>14</td>
<td>Passage Only (No cylinder)</td>
<td>MD8415 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>02</td>
<td>Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim</td>
<td>MD8440 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>08</td>
<td>Freewheeling Trim - Key Outside Unlocks/latches Trim #41 Cylinder Supplied</td>
<td>MD8443 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>09</td>
<td>Freewheeling Trim - Key Unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>MD8446 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>73</td>
<td></td>
<td>Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)* Specify: 12VDC or 24VDC</td>
<td>MD8473 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>74</td>
<td></td>
<td>Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)* Specify: 12VDC or 24VDC</td>
<td>MD8474 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied when ordering MD8400 Series Exit Device x 100 Series Aux . Control, specify 10 Function for the exit.

Exits with ET Trim, specify lever design after the ET designation (e.g., ET)

**Leaver Designs for ET Controls**
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

**ET Designation with Suffix**
(Used to order ET without device)
MD8400 & NB-MD8400 Series: 706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

**Freewheeling Trim**
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

**Electrified ET Trim**
Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4&quot; Door)</th>
<th>ANSI Type 6 8400 Panic &amp; Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>12</td>
<td>Key unlocks Turn, Turn retracts latch/ Turn relocks when key is removed #41 Cylinder Supplied</td>
<td>MD8410 x ET_</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>862 Pull Only (Optional Pulls: 863 &amp; 864)</td>
<td>MD8410 x 862 Pull</td>
</tr>
<tr>
<td>13</td>
<td>11</td>
<td>Key Outside Unlocks/latches Trim #41 Cylinder Supplied</td>
<td>MD8410 x 113</td>
</tr>
</tbody>
</table>

Note: When ordering MD8400 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit.

Example Order: MD8473F 12V x ETMG x 106 x RHR x 32D x 36"w x 84"h

* Cylinder Override is available with a 106 Aux Control

Note: 14D or 15D to receive nickel finished trims and stainless exit devices in 32D or 32E to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify

Example: MD8410F x 106 x RHR x 32D x 42" x 90"
AD8400 and NB-AD8400 Narrow Stile
Concealed Vertical Rod Exit Device
for Aluminum Doors

80 Series

AD8400 Series
Concealed Vertical Rod Exit Device
for Aluminum Doors

AD8400 & NB-AD8400 Features
• Designed for narrow stile aluminum door applications (e.g., full glass doors)
• Concealed rods for security and aesthetics
• UL10C (Fire) and UL305 (Panic) listed
• Specify NB for less bottom rod
• NB device allows free access for wheelchairs and carts. No bottom strike eliminates tripping potential
• All functions determined by outside trim
• Devices are ANSI/BHMA A156.3 - Grade 1

Specifications for AD8400 & NB-AD8400 Exit

<table>
<thead>
<tr>
<th>Door Type</th>
<th>Hollow or extruded aluminum doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Thickness</td>
<td>1-3/4” (44mm) minimum thickness. For doors over 1-3/4” to 2-1/4” thick, specify thickness and order as 31-</td>
</tr>
<tr>
<td>Stile</td>
<td>1-3/4” (44mm) minimum stile width required. Stile must be hollow with inside dimension of at least 1-3/8” (35mm) square</td>
</tr>
</tbody>
</table>
| Rail sizes as determined by door width | Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied
  • E Rail for 24” to 32” door widths
  • F Rail for 33” to 36” door widths
  • G Rail for 37” to 42” door widths
| Strike             | 640 Strike for Top & Bottom |
| Dogging Feature    | Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied) |
| Electric Options   | AL- Alarm
  PL- SARGuide™ Photoluminescent Coated
  TL- SARGuide™ Illuminated Touchpad
  53- LX Latchbolt Monitor
  54- Outside Lever Monitoring
  55- Request-to-Exit Signal - Rail Monitoring
  56- Remote Latch Retraction
  57- Delay Egress & Electromagnets
  58- Electric Dogging
  59- Electroguard – Self Contained Delayed Egress |
| Mounting Fasteners | Supplied standard with machine screws |
| Top Bolt           | Stainless steel |
| Device Centerline from Finished Floor | 41” (1041mm) for Standard Applications
  38” (965mm) for elementary schools |
| Door/Opening Height | Must be specified - 120” (3048mm) Max Door Opening |
| Center Case Dimensions | 8-3/8” (213mm) x 2-5/8” (67mm) |
| Projection         | Pushbar Neutral – 3” (76mm) |
|                    | Pushbar Depressed – 2-1/8” (54mm) |
| Fire Exit Hardware | Not Available |

Note: AD8400 can be used as NB Device by simply not installing the bottom rod/bolt

100 Series Aux Control
• Available as an 06 or 13 function
• Supplied with a SARGENT #41 Mortise Cylinder
• Can be used with any SARGENT Mortise Key System

639/640 Strike Kits
• Steel with Black Nylon Coating
• Machine Screws Supplied
• 640 Kit contains 2 strikes (Top & Bottom)
• 639 Kit contains 1 strike (Top Only)

Steel with Black Nylon Coating Machine Screws Supplied

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## AD8400 and NB-AD8400 Functions and Trims for Aluminum Doors

### 80 Series

#### 700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ET).

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4&quot; Door)</th>
<th>ANSI Type 6 AD8400 Panic</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>AD8406 x ET_</td>
</tr>
<tr>
<td>10</td>
<td>01</td>
<td>No outside operation (No Cylinder)*</td>
<td>AD8410</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No outside operation (No Cylinder)* ET Control is used as Pull Only</td>
<td>AD8410 x ET_</td>
</tr>
<tr>
<td>13</td>
<td>08</td>
<td>Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>AD8413 x ET_</td>
</tr>
<tr>
<td>15</td>
<td>14</td>
<td>Passage Only (No cylinder)</td>
<td>AD8415 x ET_</td>
</tr>
<tr>
<td>40</td>
<td>02</td>
<td>Freewheeling Trim - No outside operation (No Cylinder)* Dummy Trim</td>
<td>AD8440 x ET_</td>
</tr>
<tr>
<td>43</td>
<td>08</td>
<td>Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>AD8443 x ET_</td>
</tr>
<tr>
<td>46</td>
<td>09</td>
<td>Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>AD8446 x ET_</td>
</tr>
<tr>
<td>73</td>
<td></td>
<td>Electrifed ET Trim - Fail Secure Power Off, Unlocks Lever (No Cylinder)* Specify: 12VDC or 24VDC</td>
<td>AD8473 x ET_</td>
</tr>
<tr>
<td>74</td>
<td></td>
<td>Electrifed ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)* Specify: 12VDC or 24VDC</td>
<td>AD8474 x ET_</td>
</tr>
</tbody>
</table>

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

#### Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

#### ET Designation with Suffix (Used to order ET without device)

#### Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

#### Electrifed ET Trim
Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

#### 100 Series Auxiliary Control* & 862 Pull

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info</th>
<th>AD8400 Panic</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>12</td>
<td>Key unlocks Turn, Turn retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>AD8410 x 106</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>862 Pull Only (Optional Pulls: 863 &amp; 864)</td>
<td>AD8410 x 862 Pull</td>
</tr>
<tr>
<td>13</td>
<td>11</td>
<td>Key Outside Unlocks/locks Turn #41 Cylinder Supplied</td>
<td>AD8410 x 113</td>
</tr>
</tbody>
</table>

Note: When ordering 8400 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit.

Example: AD8410F x 106 x RHR x 32D x 42" x 84" x 55- AD8413 FEET 26D 32D 36" 84" 41"

**Options AD8400**

<table>
<thead>
<tr>
<th>Mechanical Options:</th>
<th>10-21</th>
<th>10-63</th>
<th>11-21</th>
<th>11-60</th>
<th>11-63</th>
<th>11-64</th>
<th>11-70TP</th>
<th>11-72TP</th>
<th>11-73-7TP</th>
<th>11-74-7TP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cylinder Options:</td>
<td>14</td>
<td>10</td>
<td>13</td>
<td>10</td>
<td>13</td>
<td>10</td>
<td>13</td>
<td>10</td>
<td>13</td>
<td>10</td>
</tr>
</tbody>
</table>

*Available Finishes*

<table>
<thead>
<tr>
<th>SARGENT Finishes</th>
<th>BHMA Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>605</td>
</tr>
<tr>
<td>04</td>
<td>606</td>
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<tr>
<td>09</td>
<td>611</td>
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<tr>
<td>10</td>
<td>612</td>
</tr>
<tr>
<td>100</td>
<td>613</td>
</tr>
<tr>
<td>100E</td>
<td>613E</td>
</tr>
<tr>
<td>100LB</td>
<td>613L</td>
</tr>
<tr>
<td>14</td>
<td>618</td>
</tr>
<tr>
<td>15</td>
<td>619</td>
</tr>
<tr>
<td>20D</td>
<td>624</td>
</tr>
<tr>
<td>26</td>
<td>625</td>
</tr>
<tr>
<td>26D</td>
<td>626</td>
</tr>
<tr>
<td>32</td>
<td>629</td>
</tr>
<tr>
<td>32D</td>
<td>630</td>
</tr>
<tr>
<td>BSP</td>
<td></td>
</tr>
<tr>
<td>WSP</td>
<td></td>
</tr>
</tbody>
</table>

*Only available with 15, 26D and 32D finishes*

---

Experience a safer and more open world
LP8600 & LR8600 Low Profile Center & Top Latch Concealed Vertical Rods for Pair of Doors & Double Egress

80 Series

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Door Type</strong></td>
<td>Factory prepped metal doors for LP &amp; LR devices</td>
</tr>
<tr>
<td><strong>Door Thickness</strong></td>
<td>1-3/4” (44mm) doors only with 2-3/4” (70mm) backset</td>
</tr>
<tr>
<td><strong>Stile</strong></td>
<td>4-1/2” (114mm) minimum stile</td>
</tr>
<tr>
<td><strong>Rail sizes as determined by door width</strong></td>
<td>Rails are available in 3 sizes, use door width to determine size needed.</td>
</tr>
<tr>
<td><strong>Strike</strong></td>
<td>650 Top Strike (Panic and Fire Rated)</td>
</tr>
<tr>
<td><strong>Doggng Feature</strong></td>
<td>Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)</td>
</tr>
<tr>
<td><strong>Electric Options</strong></td>
<td>AL - Alarm</td>
</tr>
<tr>
<td></td>
<td>PL - SARGuide™ Photoluminescent Coated</td>
</tr>
<tr>
<td></td>
<td>TL - SARGuide™ Illuminated Touchpad</td>
</tr>
<tr>
<td></td>
<td>54 - Outside Lever Monitoring</td>
</tr>
<tr>
<td></td>
<td>55 - Request-to-Exit Signal - Rail Monitoring</td>
</tr>
<tr>
<td></td>
<td>56 - Remote Latch Retraction</td>
</tr>
<tr>
<td></td>
<td>58 - Electric Dogging</td>
</tr>
<tr>
<td><strong>Mounting Fasteners</strong></td>
<td>Supplied standard with machine screws</td>
</tr>
<tr>
<td><strong>Top &amp; Center Bolts</strong></td>
<td>Stainless steel</td>
</tr>
<tr>
<td><strong>Device Centerline from Finished Floor</strong></td>
<td>41” (1041mm) for Standard Applications</td>
</tr>
<tr>
<td><strong>Door/Opening Height</strong></td>
<td>Must be specified - 120” (3048mm) Max Door Opening</td>
</tr>
<tr>
<td><strong>Center Case Dimensions</strong></td>
<td>8-3/8” (213mm) x 2-5/8” (67mm)</td>
</tr>
<tr>
<td><strong>Projection</strong></td>
<td>Pushbar Neutral – 1-1/2” (38mm)</td>
</tr>
<tr>
<td></td>
<td>Pushbar Depressed – 5/8” (15mm)</td>
</tr>
<tr>
<td><strong>Fire Exit Hardware</strong></td>
<td>See Chart - Page 6</td>
</tr>
</tbody>
</table>

**Features**

- The security of a stainless steel center bolt, two concealed top bolts and a low profile device for pairs of doors without bottom rod issues
- Devices are ANSI/BHMA A156.3 - Grade 2
- UL10C (Fire) and UL305 (Panic) listed
- 1-1/2’ total projection from face of door
- Center and top latching
- No visible active chassis
- Center latchbolt adjustable for up to 3/8” (9mm) door gap
- Both doors are active. Either door can be opened or closed without affecting the other door. Door coordinators and open back strikes are not required
- Top case latchbolt projection adjustable through top case
- Tripping potential removed - no bottom strike
- All functions determined by outside trim (ET Trim only)
- Concealed rods for security and aesthetics

**How it works:** The mortise lock of the LP device has a stainless steel bolt which projects into the mortise lock of the LR device at the center of the door in addition to top bolts in each door.

**Pair of Doors**

**Notes:**

1. Available for 1-3/4” (44mm) thick doors only. No glass bead shim kits or inside panel condition permitted.
2. LS/LP/LR8600 are available in the following door sizes only: 36”, 42”, 44”, 46” or 48” (914mm, 1067mm, 1118mm, 1168mm or 1219mm)

**Note:** The following hollow metal door manufacturers are equipped to reinforce and prepare their steel doors for the LS/LP/LR8600 Series Low Profile exit devices: CECO, CURRIES AND FLEMING. Please check with any other hollow metal door manufacturers regarding their ability to properly reinforce and prepare their doors for these exit devices.
LP & LR8600 Functions & Trims for Pairs of Doors

80 Series

<table>
<thead>
<tr>
<th>How to order: Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lgth</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
<th>Door Height</th>
<th>AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sargent Function Numbers</td>
<td>ANSI Function Numbers</td>
<td>Description &amp; Cylinder Info (1-3/4” Door)</td>
<td>LP6000 ET Trim</td>
<td>LR6000 ET Trim</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>06</td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>LP8606 x ET_</td>
<td>LR8606 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>01</td>
<td>No outside operation (No Cylinder)</td>
<td>LP8610</td>
<td>LR8610</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No outside operation (No Cylinder) ET Control is used as Pull Only</td>
<td>LP8610 x ET_</td>
<td>LR8610 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>08</td>
<td>Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>LP8613 x ET_</td>
<td>LR8613 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>14</td>
<td>Passage Only (No cylinder)</td>
<td>LP8615 x ET_</td>
<td>LR8615 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>02</td>
<td>Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim</td>
<td>LP8640 x ET_</td>
<td>LR8640 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>08</td>
<td>Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>LP8643 x ET_</td>
<td>LR8643 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>09</td>
<td>Freewheeling Trim - Key outside unlocks/locks trim #41 cylinder supplied</td>
<td>LP8646 x ET_</td>
<td>LR8646 x ET_</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>73</td>
<td></td>
<td>Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*</td>
<td>LP8673 x ET_</td>
<td>LR8673 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>74</td>
<td></td>
<td>Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*</td>
<td>LP8674 x ET_</td>
<td>LR8674 x ET_</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Cylinder override is not available with LP & LR 8600 Series Devices

Note: The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever.

**A.B.E.F,J,L.P,W** Also available with Coastal Series & Studio Collection Levers

**ET Designation with Suffix**

LP8600 & LR8600 Series: 706-6, 710-6, 713-6, 715-6, 740-6, 743-6, 746-6, 773-6 & 774-6

**Mechanical Options:**


**Cylinder Options:**


**Available Finishes:**

<table>
<thead>
<tr>
<th>Sargent finishes</th>
<th>BHMA finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>605</td>
</tr>
<tr>
<td>04</td>
<td>606</td>
</tr>
<tr>
<td>09</td>
<td>611</td>
</tr>
<tr>
<td>10</td>
<td>612</td>
</tr>
<tr>
<td>10B</td>
<td>613</td>
</tr>
<tr>
<td>10BE</td>
<td>613E</td>
</tr>
<tr>
<td>10BL</td>
<td>613L</td>
</tr>
<tr>
<td>10BR</td>
<td>616</td>
</tr>
<tr>
<td>10F</td>
<td>619</td>
</tr>
<tr>
<td>10E</td>
<td>624</td>
</tr>
<tr>
<td>10EL</td>
<td>625</td>
</tr>
<tr>
<td>10F1</td>
<td>626</td>
</tr>
<tr>
<td>10F2</td>
<td>629</td>
</tr>
<tr>
<td>10W</td>
<td>630</td>
</tr>
</tbody>
</table>

* Only available with 15, 26D and 32D finishes

**Options Series Function Rail Lghth Trim Hand Outside Finish Inside Finish Door Width Door Height AFF**

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lgth</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
<th>Door Height</th>
<th>AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>55-</td>
<td>LP86</td>
<td>13</td>
<td>F</td>
<td>ETL</td>
<td>RHR</td>
<td>14</td>
<td>32</td>
<td>36</td>
<td>84</td>
<td>41</td>
</tr>
</tbody>
</table>

**Experience a safer and more open world**

1-800-727-5477 • www.sargentlock.com
LS8600 Low Profile Center & Top Latch Concealed Vertical Rod for Single Door Applications

80 Series

Features
- The security of a stainless steel center bolt, concealed top bolt and a low profile device for single doors without bottom rod issues
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed
- 1-1/2” total projection from face of door
- Center and top latching
- No visible active chassis
- Center latchbolt adjustable for up to 3/8” (9mm) door gap
- Top case latchbolt projection adjustable through top case
- Tripping potential removed - no bottom strike
- All functions determined by outside trim (ET Trim only)
- Concealed rods for security and aesthetics

Specifications for LS8600 Series Exit

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Type</td>
<td>Factory prepped metal doors for LP &amp; LR devices</td>
</tr>
<tr>
<td>Door Thickness</td>
<td>1-3/4” (44mm) doors only with 2-3/4” (70mm) backset</td>
</tr>
<tr>
<td>Rail size</td>
<td>4-1/2” (114mm) minimum stile width</td>
</tr>
<tr>
<td>Rail sizes as determined by door width</td>
<td>Rails are available in 3 sizes, use door width to determine size needed.</td>
</tr>
<tr>
<td>Strike</td>
<td>650 Top Strike &amp; C7710 Mortise Strike (Panic and Fire Rated)</td>
</tr>
<tr>
<td>Dogging Feature</td>
<td>Hex key dogging standard on non fired rated devices; specify 16-</td>
</tr>
<tr>
<td>Electric Options</td>
<td>for cylinder dogging (#41 cylinder supplied)</td>
</tr>
<tr>
<td>Mounting Fasteners</td>
<td>Supplied standard with machine screws</td>
</tr>
<tr>
<td>Top &amp; Center Bolts</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Device Centerline from Finished Floor</td>
<td>41” (1041 mm) for Standard Applications</td>
</tr>
<tr>
<td>Door/Opening Height</td>
<td>Must be specified - 120” (3048mm) Max Door Opening</td>
</tr>
<tr>
<td>Center Case Dimensions</td>
<td>8-3/8” (213mm) x 2-5/8” (67mm)</td>
</tr>
<tr>
<td>Projection</td>
<td>Pushbar Neutral – 1-1/2” (38mm) Pushbar Depressed – 5/8” (15mm)</td>
</tr>
<tr>
<td>Fire Exit Hardware</td>
<td>See Chart – Page 6</td>
</tr>
</tbody>
</table>

How it works: The mortise lock of the LS device has a stainless steel bolt which projects into the door frame at the center of the door with the additional security of a concealed top bolt.

Note: The following hollow metal door manufacturers are equipped to reinforce and prepare their steel doors for the LS/LP/LR8600 Series Low Profile exit devices: CECO, CURRIES and FLEMING. Please check with any other hollow metal door manufacturers regarding their ability to properly reinforce and prepare their doors for these exit devices.

Notes:
1. Available for 1-3/4” (44mm) thick doors only. No glass bead shim kits or inside panel condition permitted.
2. LS/LP/LR8600 are available in the following door sizes only: 36”, 42”, 44”, 46” or 48” (914mm, 1067mm, 1118mm, 1168mm or 1219mm)
**LS8600 Functions and Trims**

### 80 Series

#### How to order:
- **Options**: S55- Series LP66, Function 13, Rail Lgth F, Trim ETL, Hand RHR, Outside Finish 26D, Inside Finish 32D, Door Width 36”, Door Height 84”, AFF 41”

#### LS8600 Functions and Trims

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4&quot; Door)</th>
<th>ANSI Type 12 LS8600 Panic &amp; Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Required &amp; Supplied</td>
<td>LS8606 x ET_</td>
</tr>
<tr>
<td>10</td>
<td>01</td>
<td>No outside operation (No Cylinder)</td>
<td>LS8610</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No outside operation (No Cylinder) ET Control is used as Pull Only</td>
<td>LS8610 x ET_</td>
</tr>
<tr>
<td>13</td>
<td>08</td>
<td>Key Outside Unlocks/locks Trim #41 Cylinder Required &amp; Supplied</td>
<td>LS8613 x ET_</td>
</tr>
<tr>
<td>15</td>
<td>14</td>
<td>Passage Only (No cylinder)</td>
<td>LS8615 x ET_</td>
</tr>
<tr>
<td>40</td>
<td>02</td>
<td>Freewheeling Trim - No outside operation (No Cylinder) Dummy Trim</td>
<td>LS8640 x ET_</td>
</tr>
<tr>
<td>43</td>
<td>08</td>
<td>Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>LS8643 x ET_</td>
</tr>
<tr>
<td>46</td>
<td>09</td>
<td>Freewheeling Trim - Key outside Unlocks/locks Trim #41 Cylinder Required &amp; Supplied</td>
<td>LS8646 x ET_</td>
</tr>
<tr>
<td>73</td>
<td></td>
<td>Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*</td>
<td>LS8673 x ET_</td>
</tr>
<tr>
<td>74</td>
<td></td>
<td>Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*</td>
<td>LS8674 x ET_</td>
</tr>
</tbody>
</table>

**Note**: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

**Note**: AFF means Above Finished Floor, center line of rail Above Finished Floor.

* Cylinder override is not available with LP 8700 Series Devices

#### Lever Designs for ET Controls
- A, B, E, F, J, L, P, W
- Also available with Coastal Series & Studio Collection Levers

#### ET Designation with Suffix
(Used to order ET without device)
- LS8600 Series: 706-6, 710-6, 713-6, 715-6, 740-6, 743-6, 746-6, 773-6 & 774-6

#### Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever.

#### Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC.

---

**Options Series Function Rail Lgth Trim Hand Outside Finish Inside Finish Door Width  Door Height AFF**

**Available Finishes**

<table>
<thead>
<tr>
<th>SARGENT finishes</th>
<th>BHMA finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>605</td>
</tr>
<tr>
<td>04</td>
<td>606</td>
</tr>
<tr>
<td>09</td>
<td>611</td>
</tr>
<tr>
<td>10</td>
<td>612</td>
</tr>
<tr>
<td>10B</td>
<td>613</td>
</tr>
<tr>
<td>10BE</td>
<td>613E</td>
</tr>
<tr>
<td>10BL</td>
<td>613L</td>
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<tr>
<td>10H</td>
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<td>108</td>
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<tr>
<td>108E</td>
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<tr>
<td>108L</td>
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<td>14</td>
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<td>15</td>
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<td>20D</td>
<td>626</td>
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<tr>
<td>26</td>
<td>629</td>
</tr>
<tr>
<td>26D</td>
<td>629</td>
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<tr>
<td>32</td>
<td>630</td>
</tr>
<tr>
<td>32D</td>
<td>630</td>
</tr>
<tr>
<td>83P</td>
<td>W3F</td>
</tr>
</tbody>
</table>

---

**C7710 Mortise Centercase Strike**

**650 Top Strike**

- For application in metal frames
- Stainless steel
- Top strike for Panic & Fire Rated

**Experience a safer and more open world**

1-800-727-5477 • www.sargentlock.com
MD8600 Series
Concealed Vertical Rod Exit Device
for Metal Doors

**Features**
- Designed for standard width stile applications on hollow metal doors
- Concealed rods for security and aesthetics
- Single and double door applications
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed

---

### Specifications for MD8600 & NB-MD8600 Series Exit

<table>
<thead>
<tr>
<th>Door Type</th>
<th>Metal Doors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Thickness</td>
<td>1-3/4” (44mm) minimum thickness. For doors over 1-3/4” to 2-1/4” thick, specify thickness and order as 31-</td>
</tr>
<tr>
<td>Stile</td>
<td>4-1/2” (114mm) minimum stile width</td>
</tr>
</tbody>
</table>

**Rail sizes as determined by door width**
- Rails are available in 4 sizes, use door width to determine size needed.
- E Rail for 24” to 32” door widths, No cutting required for 32” door
- F Rail for 33” to 36” door widths, No cutting required for 36” door
- J Rail for 37” to 42” door widths, No cutting required for 42” door
- G Rail for 43” to 48” door widths, No cutting required for 48” door

| Strike | 650 Top Strike & 606 Bottom Strike (Panic and Fire Rated) |
| Dogging Feature | Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied) |

**Electric Options**
- AL- Alarm
- PL- SARGuide™ Photoluminescent Coated
- TL- SARGuide™ Illuminated Touchpad
- 53- LX Latchbolt Monitor
- 54- Outside Lever Monitoring
- 55- Request-to-Exit Signal - Rail Monitoring
- 56- Remote Latch Retraction
- 57- Delay Egress & Electromagnets
- 58- Electric Dogging
- 59- Electroguard – Self Contained Delayed Egress

**Mounting Fasteners**
- Supplied standard with machine screws
- Top Bolt
- Stainless steel

**Device Centerline from Finished Floor**
- 41” (1041mm) for Standard Applications
- 38” (965mm) for elementary schools

**Door/Opening Height**
- Must be specified - 120” (3048mm) Max Door Opening
- 96” max door height for HC and WS options

**Center Case Dimensions**
- 8-3/8” (213mm) x 2-5/8” (67mm)

**Projection**
- Pushbar Neutral – 3” (76mm)
- Pushbar Depressed – 2-1/8” (54mm)

**Fire Exit Hardware**
- See Chart – Page 6

---

**100 Series Aux Control**
- Available as an 06 or 13 function
- Supplied with a SARGENT #41 Mortise Cylinder
- Can be used with any SARGENT Mortise Key System

---

| MD8600 (Hurricane-Resistant) Concealed Vertical Rod Exit Device for Metal Doors |
| 650 Top Strike |
| 606 Bottom Strike |
| 2-1/2” (64mm) |
| 1-1/8” (29mm) |
| 2-5/8” (67mm) |
| 1-1/16” (27mm) |
| 5/32” (4mm) |
- For application in hollow metal frames
- Stainless steel nylon coated
- Furnished with expansion shields
- Mortised into floor
- Stainless steel

---

**MD8600 Series**
Concealed Vertical Rod Exit Device
for Metal Doors

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**MD8600 Series**
Concealed Vertical Rod Exit Device
for Metal Doors

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**MD8600 Series**
Concealed Vertical Rod Exit Device
for Metal Doors

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MD8600 and NB-MD8600 Functions and Trims for Metal Doors

80 Series

How to order:

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>MD8600 Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>57-NB-</td>
<td>MD860</td>
<td>MD8600 Panic &amp; Fire</td>
</tr>
</tbody>
</table>

### 700 Series ET Trim

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4&quot; Door)</th>
<th>ANSI Type 8 MD8600 Panic &amp; Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>MD8606 x ET_</td>
</tr>
<tr>
<td>10</td>
<td>01</td>
<td>No outside operation (No Cylinder)*</td>
<td>MD8610</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No outside operation (No Cylinder)*</td>
<td>MD8610 x ET_</td>
</tr>
<tr>
<td>13</td>
<td>08</td>
<td>Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>MD8613 x ET_</td>
</tr>
<tr>
<td>15</td>
<td>14</td>
<td>Passage Only (No cylinder)</td>
<td>MD8615 x ET_</td>
</tr>
<tr>
<td>40</td>
<td>02</td>
<td>Freewheeling Trim - No outside Operation (No Cylinder)* Dummy Trim</td>
<td>MD8640 x ET_</td>
</tr>
<tr>
<td>43</td>
<td>08</td>
<td>Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>MD8643 x ET_</td>
</tr>
<tr>
<td>46</td>
<td>09</td>
<td>Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>MD8646 x ET_</td>
</tr>
<tr>
<td>73</td>
<td></td>
<td>Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*</td>
<td>MD8673 x ET_</td>
</tr>
<tr>
<td>74</td>
<td></td>
<td>Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*</td>
<td>MD8674 x ET_</td>
</tr>
</tbody>
</table>

#### Lever Designs for ET Controls

A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

#### ET Designation with Suffix (Used to order ET without device)

MD8600 & NB-MD8600 Series: 706-4, 710-4, 713-4, 715-4, 740-4, 743-4, 746-4, 773-4, & 774-4

#### Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

#### Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

### 100 Series Auxiliary Control & 862 Pull

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4&quot; Door)</th>
<th>MD8600 Panic &amp; Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>12</td>
<td>Key unlocks Turn, Turn retracts latch/Turn relocks when key is removed #41 Cylinder Supplied</td>
<td>MD8610 x 106</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>862 Pull Only (Optional Pulls: 863 &amp; 864)</td>
<td>MD8610 x 862 Pull</td>
</tr>
<tr>
<td>13</td>
<td>11</td>
<td>Key Outside Unlocks/locks Turn #41 Cylinder Supplied</td>
<td>MD8610 x 113</td>
</tr>
</tbody>
</table>

Note: When ordering MD8600/NB-MD8600 Series Exit Device x 100 Series Aux. Control, specify 10 Function for the exit. Example: MD8610F x 106 x RHR x 32D x 122" x 84"
HC8800 Series
Rim Exit Device

Features
- Designed for standard width stile applications on metal doors. For doors 1-3/4" (44mm) thick.
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) and UL305 (Panic) listed

Rails are available in 4 sizes, use door width to determine size needed.
Rails will be factory cut to size, if door width is supplied
- E Rail for 24" to 32" door widths, No cutting required for 32" door
- F Rail for 33" to 36" door widths, No cutting required for 36" door
- J Rail for 37" to 42" door widths, No cutting required for 42" door
- G Rail for 43" to 48" door widths, No cutting required for 48" door

Note: For additional information on 8800 Series, see page 9

HC8800, 12-HC8800 Series
Rim Exit Device
- Chassis: ductile iron
- Requires 2 chassis shims and 2 end bracket shims included with the exit device
- Additional information on HC980 Mullions available in Mullion Section of this catalog

649 Strike
- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated

Single Door

Double Door HC-8800 with HC-980 Mullion

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UL Listed Hurricane-Resistant
HC8800 Functions and Trims
80 Series

### 700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ET_)

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4&quot; Door)</th>
<th>ANSI Type 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>03</td>
<td>Night Latch Key Retracts Latch #34 Cylinder Supplied</td>
<td>HC8804 x ET_</td>
</tr>
<tr>
<td>06</td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>HC8806 x ET_</td>
</tr>
<tr>
<td>10</td>
<td>01</td>
<td>No outside operation (No Cylinder)</td>
<td>HC8810</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No outside operation (No Cylinder) ET Control is used as Pull Only</td>
<td>HC8810 x ET_</td>
</tr>
<tr>
<td>13</td>
<td>08</td>
<td>Key Outside Unlocks/Locks Trim #41 Cylinder Supplied</td>
<td>HC8813 x ET_</td>
</tr>
</tbody>
</table>

### Lever Designs for ET Controls
A, B, E, F, J, L, P, W Also available with Coastal Series & Studio Collection Levers

### ET Designation with Suffix
(Used to order ET without device)
HC-8800 Series: 704, 706-8, 710, 773-8, 715-8, 740, 743-8, 744, 746-8, 773-8, 774-8, 775-8 & 776-8

### Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

### Electrified ET Trim
Voltage must be specified for the following functions: 73, 74, 75 and 76. Specify: 12VDC or 24VDC

#### Freewheeling Trim - Fail Safe
- Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied
- #34 Cylinder Supplied

#### Freewheeling Trim - Fail Secure
- Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied
- #34 Cylinder Supplied

#### Electrified ET Trim - Fail Safe Power Off, Locks Lever, Key Retracts Latch #41 Cylinder Supplied

#### Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #34 Cylinder Supplied

**Note:** Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

**Trims Designations**
- Use three letter designations (Ex “PTB”) when ordering the Exit Device with Trim
- Use the six digit designation (Ex “814-MSL”) when ordering trim without an Exit Device, always specify finish

### Pull Section

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4&quot; Door)</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>03</td>
<td>Night Latch-Key Retracts Latch #34 Cylinder Supplied</td>
</tr>
<tr>
<td>06</td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No O/S Operation or Cylinder (Pull Only)</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No O/S Operation or Cylinder (Pull Only)</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No O/S Operation or Cylinder (Pull Only)</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
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</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No O/S Operation or Cylinder (Pull Only)</td>
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**Available Finishes**

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<thead>
<tr>
<th>Series</th>
<th>SARGENT Finishes</th>
<th>BHMAA Finishes</th>
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</thead>
<tbody>
<tr>
<td>800</td>
<td>03</td>
<td>605</td>
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<tr>
<td>04</td>
<td>09</td>
<td>606</td>
</tr>
<tr>
<td>10</td>
<td>10</td>
<td>611</td>
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<tr>
<td>10</td>
<td>10B</td>
<td>612</td>
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<tr>
<td>10</td>
<td>10B</td>
<td>613</td>
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<tr>
<td>81</td>
<td>09</td>
<td>613E</td>
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<tr>
<td>81</td>
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<td>81</td>
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<tr>
<td>14</td>
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<td>14</td>
<td>26</td>
<td>625</td>
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<tr>
<td>14</td>
<td>26D</td>
<td>626</td>
</tr>
<tr>
<td>15</td>
<td>32</td>
<td>629</td>
</tr>
<tr>
<td>15</td>
<td>32D</td>
<td>630</td>
</tr>
</tbody>
</table>

**Note:** FSL, FSW, MSL and PSB trims are used with (HC & 12-) 8888 and 8804 only and are the same as FLL, FLW, MAL and PTB pulls except for cylinder hole located 3/8" (9mm) lower than other HC8800 functions.

**Note:** Pulls and thumb piece trims are not available in 14, 15, 26 & 26D

Experience a safer and more open world

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WS8800 Series
Rim Exit Device

Features
- WS 8800 available for single hollow metal door applications for 1-3/4" thick door, 3'0" x 7'0" max, with 6" min stile
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL305 (Panic) Listed

WS8800 rails are available in 2 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied
- E Rail for 24" to 32" door widths, No cutting required for 32" door
- F Rail for 33" to 36" door widths, No cutting required for 36" door

Note: For additional information on 8800 Series, see page 9

649 Strike
- Supplied standard for panic & fire rated openings
- Surface applied
- Black nylon coated

WS8800, 12-WS8800 Series
Rim Exit Device

- Chassis: Non Fire Rated - Nonferrous alloy
- Requires 3 chassis shims and 3 end bracket shims included with the exit device

Single Door

WS8800
(12-WS8800)
**UL Listed Hurricane-Resistant WS8800 Functions and Trims**

**80 Series**

### How to order:

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Function (1-3/4” Door)</th>
<th>Trim Designation</th>
<th>Inside Finish</th>
<th>Door Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>WS88</td>
<td>12</td>
<td>WS8800</td>
<td>10</td>
<td>36”</td>
</tr>
</tbody>
</table>

**700 Series ET Trim**

Exits with ET Trim, specify lever design after the ET designation (e.g., ET1).

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4” Door)</th>
<th>ANSI Type</th>
<th>WSS800 Panic &amp; Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>03</td>
<td>Night Latch Key Retracts Latch #34 Cylinder Supplied</td>
<td>WS8804</td>
<td>x ET_</td>
</tr>
<tr>
<td>06</td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch/ Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>WS8806</td>
<td>x ET_</td>
</tr>
<tr>
<td>10</td>
<td>01</td>
<td>No outside operation (No Cylinder)</td>
<td>WS8810</td>
<td></td>
</tr>
</tbody>
</table>

**Lever Designs for ET Controls**

A, B, E, F, J, L, P, W, also available with Coasts Series & Studio Collection Lever

**ET Designation with Suffix (Used to order ET without device)**

HC-8800 Series: 704, 706-8, 710, 713-8, 715-8, 740, 743-8, 744, 746-8, 773-8, 774-8, 775-8 & 776-8

**Freewheeling Trim**

The lever rotates when the door is closed preventing excessive force from being applied to the horizontal lever.

**Electrified ET Trim**

Voltage must be specified for the following functions: 73, 74, 75 and 76. Specify: 12VDC or 24VDC

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4” Door)</th>
<th>ANSI Type</th>
<th>WSS800 Panic &amp; Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>02</td>
<td>Freewheeling Trim - Key Retracts Latch #34 Cylinder Supplied</td>
<td>WS8846</td>
<td>x ET_</td>
</tr>
<tr>
<td>75*</td>
<td></td>
<td>Electrified ET Trim - Fail Safe Power Off, Locks Lever, Key Retracts Latch #34 Cylinder Supplied</td>
<td>WS8875</td>
<td>x ET_</td>
</tr>
<tr>
<td>76**</td>
<td></td>
<td>Electrified ET Trim - Fail Secure Power Off, Locks Lever, Key Retracts Latch #34 Cylinder Supplied</td>
<td>WS8876</td>
<td>x ET_</td>
</tr>
</tbody>
</table>

*Note:* Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

* 75 Function without cylinder is available as a 73 Function
* 76 Function without cylinder is available as a 74 Function

### Pull Section

**SARGENT Function Numbers**

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4” Door)</th>
<th>Series</th>
<th>Available Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>03</td>
<td>Night Latch Key Retracts Latch #34 Cylinder Supplied</td>
<td>814-FSL*</td>
<td>814-FSL</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No O/S Operation or Cylinder (Pull Only)</td>
<td>810-FLL</td>
<td>810-FLW</td>
</tr>
</tbody>
</table>

FSL, FSW, MSL and PSB trims are used with (HC- & 12-) 8888 and 8804 only and are the same as FLI, FLW, MAL and PTB pulls except for cylinder hole located 3/8” (9mm) lower.

**Trim Designations**

- Use three letter designations (Ex. “PTB”) when ordering the Exit Device with trim
- Use the six digit designation (Ex. “810-MAL”) when ordering trim without an Exit Device, always specify finish

**Mechanical Options:**

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Available Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>03</td>
<td>605</td>
</tr>
<tr>
<td>04</td>
<td>09</td>
<td>606</td>
</tr>
<tr>
<td>10</td>
<td>10B</td>
<td>612</td>
</tr>
<tr>
<td>108</td>
<td>108L</td>
<td>613</td>
</tr>
<tr>
<td>14</td>
<td>15</td>
<td>619</td>
</tr>
<tr>
<td>20D</td>
<td>26</td>
<td>624</td>
</tr>
<tr>
<td>26</td>
<td>32D</td>
<td>626</td>
</tr>
<tr>
<td>32D</td>
<td>630</td>
<td></td>
</tr>
</tbody>
</table>

* Only available with 15, 26D & 32D finishes

**Options for HC8800 ETWS8800**

- **Mechanical Options:**
  - 12-
  - 16-
  - 19-
  - 31-
  - 36-
  - 37-
  - 41-
  - 54-
  - 55-
  - 56-
  - 56HK-
  - 57-
  - 58-
  - 76-
  - 85-
  - 86-
  - 87-
  - BT-
  - CPC-
  - LD-
  - PT-
  - *SG-
  - TB-

- **Cylinder Options:**
  - 10-
  - 10-21-
  - 10-63-
  - 11-
  - 11-21-
  - 11-60-
  - 12-63-
  - 11-64-
  - 11-70-7P-
  - 11-72-7P-
  - 11-73-7P-
  - 11-65-7P-
  - 11-66-7P-
  - 11-67-7P-
  - 11-68-7P-
  - 11-69-7P-
  - 11-70-7P-
  - 11-71-7P-
  - 11-72-7P-
  - 11-73-7P-

**Series**

- **Available Finishes:**
  - SARGENT finishes:
    - 03
    - 04
    - 09
    - 10
    - 10B
    - 14
    - 15
    - 20D
    - 26
    - 32
    - 32D
    - BSP
    - WSP
  - BHMA finishes:
    - 605
    - 606
    - 612
    - 613
    - 619
    - 624
    - 626

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UL Listed Hurricane-Resistant
WS8900 Mortise Lock Exit Device

80 Series

WS8900 Series
Mortise Lock Exit Device

Features

- WS8900 available for Single Hollow Metals Doors applications for 1-3/4" Thick door, 3'0" x 7'0" Max. Door with 6" Min Stile
- Requires 4 chassis shims and 4 end bracket shims to be included with exit device
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL305 (Panic) Listed

WS8900 rails are available in 2 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied
- E Rail for 24" to 32" door widths, No cutting required for 32" door
- F Rail for 33" to 36" door widths, No cutting required for 36" door

Note: For additional information on 8900 Series and Windstorm Ratings for the standard 8900 Series, see page 13

Single Door
WS8900, 12-WS8900 Series
Mortise Exit Device

- Requires 4 chassis shims and 4 end bracket shims included with the exit device

C908 Standard Strike

- Curved lip ANSI A-115.1
- Handed. 1-1/4" (32mm) lip standard
- Longer lips in increments of 1/4" (6mm) through 2-7/8" (73mm) available
- Black nylon coated
### UL Listed Hurricane-Resistant WS8900 Functions and Trims

#### 80 Series

**How to order:**

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lgth</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-63-</td>
<td>WS89</td>
<td>13</td>
<td>FT</td>
<td>ETL</td>
<td>RHR</td>
<td>14</td>
<td>32</td>
<td>36</td>
</tr>
</tbody>
</table>

#### 700 Series ET Trim

- **Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)**

#### Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

#### ET Designation with Suffix

(Used to order ET without device)

WS8900 Series: 704, 706, 710, 713, 715, 716, 740, 743, 744, 773, 774, 775 & 776

#### Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever.

#### Electrified ET Trim and Electrified Mortise Locks

Voltage must be specified for the following functions: 73, 74, 75 and 76. Specify: 12VDC or 24VDC

#### Pull & Thumbpiece Trim Section

**Trim Designations**

- **Use three letter designations (Ex: “PIB”) when ordering the Exit Device with trim.**
- **Use the six digit designation (Ex: “866-MAL”) when ordering trim without an Exit Device, always specify finish & hand.**

#### SARGENT Function Numbers

<table>
<thead>
<tr>
<th>Function Numbers</th>
<th>Description &amp; Cylinder Info</th>
<th>ANSI Function Numbers</th>
<th>1-3/4” Door</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>Night Latch</td>
<td>03</td>
<td>814-FLL</td>
</tr>
<tr>
<td>10</td>
<td>No O/S Operation or Cylinder</td>
<td>02</td>
<td>810-FLL</td>
</tr>
<tr>
<td>28</td>
<td>Passage Only (No cylinder)</td>
<td>15</td>
<td>828-FLL</td>
</tr>
<tr>
<td>63</td>
<td>Key Outside Unlocks/locks Thumbpiece</td>
<td>05</td>
<td>866-FLL</td>
</tr>
<tr>
<td>66</td>
<td>Key Outside Unlocks/locks Thumbpiece</td>
<td>07</td>
<td>866-FLL</td>
</tr>
</tbody>
</table>

#### SARGENT Functions

<table>
<thead>
<tr>
<th>Function Numbers</th>
<th>Description &amp; Cylinder Info 1-3/4” Door</th>
<th>ANSI Function Numbers</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>Night Latch</td>
<td>03</td>
<td>WS8904 x ET_</td>
</tr>
<tr>
<td>10</td>
<td>No O/S Operation or Cylinder (Pull Only)</td>
<td>02</td>
<td>WS8910</td>
</tr>
<tr>
<td>28</td>
<td>Passage Only (No cylinder)</td>
<td>15</td>
<td>WS8910</td>
</tr>
<tr>
<td>63</td>
<td>Key Outside Unlocks/locks Thumbpiece</td>
<td>05</td>
<td>WS8910</td>
</tr>
<tr>
<td>66</td>
<td>Key Outside Unlocks/locks Thumbpiece</td>
<td>07</td>
<td>WS8910</td>
</tr>
</tbody>
</table>

#### Available Finishes

- **Options are not available with the following functions:**
  - 04 x ET, 16, 44, 75 & 76
  - **Only available with 15, 260 and 320 finishes**

#### Mechanical Options:

- 12, 16, 19, 23, 31, 36, 37, 43, 54, 55, 56, 57, 58, 65, 76, 85, 86, 87, 8T, CPC, LD, PL, **NG-TL**

#### Cylinder Options:

- 10, 10-21, 10-61, 11-21, 11-61, 11-64, 11-79-79, 11-72-79, 11-73-79, 11-85-79, 21-22, 51, 52, 60, 63, 64, 70, 72, 73, 74, 75, 65-73-79, 73-79-79, 81-82, 83-84, 88-88, LC, **SC-St**, LC-St

**Note:**

- Exit devices are available in all standard finishes, except 14, 15, 26 & 260. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.
- *73 Function without cylinder is available as a 73 Function
- **76 Function without cylinder is available as a 74 Function**

---

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## HC4-8700 Series

**Surface Vertical Rod Exit Device**

### Features
- Meets the abuse and high wind loads required by Florida building code including HVHC.
- Devices are ANSI/BHMA A156.3 - Grade 1

**Note:** For additional information on 8700 Series, see page 14

### Specifications

<table>
<thead>
<tr>
<th>Openings</th>
<th>8'0&quot; x 8'0&quot; (2438mm x 2438mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strikes</td>
<td>659 Top Strike in frame with larger mounting screws for both top and bottom cases. 655 bottom strike furnished standard</td>
</tr>
<tr>
<td>Rail sizes as determined by door width</td>
<td>Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied</td>
</tr>
<tr>
<td></td>
<td>E Rail for 24&quot; to 32&quot; door widths, No cutting required for 32&quot; door</td>
</tr>
<tr>
<td></td>
<td>F Rail for 33&quot; to 36&quot; door widths, No cutting required for 36&quot; door</td>
</tr>
<tr>
<td></td>
<td>G Rail for 37&quot; to 42&quot; door widths, No cutting required for 42&quot; door</td>
</tr>
<tr>
<td></td>
<td>J Rail for 43&quot; to 48&quot; door widths, No cutting required for 48&quot; door</td>
</tr>
<tr>
<td>Strike</td>
<td>659 Top Strike (Panic and Fire Rated) 655 Bottom Strike (Panic and Fire Rated)</td>
</tr>
<tr>
<td>Dogging Feature</td>
<td>Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)</td>
</tr>
<tr>
<td>Top &amp; Bottom Bolt</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Device Centerline</td>
<td>41&quot; (1041 mm) for Standard Applications 38&quot; (965mm) for elementary schools</td>
</tr>
<tr>
<td>Door/Opening Height</td>
<td>Must be specified - 96&quot; (2438mm) Max Door Opening</td>
</tr>
<tr>
<td>Fire Exit Hardware</td>
<td>See Chart – Page 6</td>
</tr>
</tbody>
</table>

**Note:** Approved single openings cannot be used as a pair, but a door in a pair can be used as a single opening

### 659 Top Strike
- For HC4-8700/12-HC4-8700
- Latchbolt nylon coated
- Stainless steel

### 655 Bottom Strike
- For HC4-8700/12-HC4-8700
- Stainless steel
- Black nylon coated
UL Listed Hurricane Resistant
HC4-8700 Functions and Trims
80 Series

How to order:

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lgth</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
<th>Door Height</th>
<th>AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-63-</td>
<td>HC4-87</td>
<td>13</td>
<td>F</td>
<td>ETL</td>
<td>RHR</td>
<td>15</td>
<td>32D</td>
<td>36&quot;</td>
<td>84&quot;</td>
<td>41&quot;</td>
</tr>
</tbody>
</table>

700 Series ET Trim

Exits with ET Trim, specify lever design after the ET designation (e.g., ET_)

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4&quot; Door)</th>
<th>ANSI Type 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>HC4-8706 x ET_</td>
</tr>
<tr>
<td>10</td>
<td>01</td>
<td>No outside operation (No Cylinder)</td>
<td>HC4-8710</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No outside operation (No Cylinder)</td>
<td>HC4-8710 x ET_</td>
</tr>
<tr>
<td>13</td>
<td>08</td>
<td>Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>HC4-8713 x ET_</td>
</tr>
<tr>
<td>15</td>
<td>14</td>
<td>Passage Only (No cylinder)</td>
<td>HC4-8715 x ET_</td>
</tr>
</tbody>
</table>

Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

ET Designation with Suffix (Used to order ET without device)
HC4-8700 Series: 706, 710, 713, 715, 740, 743, 746, 773 & 774

Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74.
Specify: 12VDC or 24VDC

Pull & Thumbpiece Trim Section

SARGENT Function Numbers | ANSI Function Numbers | Description & Cylinder Info (1-3/4" Door) |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>02</td>
<td>Pull Only (No Cylinder)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Trim Designations
• Use only letter designations when ordering the Exit Device with trim
• Use the six digit designation (Ex “866-MAL”) when ordering trim without an Exit Device, always specify finish

Note:
Flush trim is not available in 32(629) or 32D(630)

Available Finishes

<table>
<thead>
<tr>
<th>SARGENT Finishes</th>
<th>BHMA Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>605</td>
</tr>
<tr>
<td>04</td>
<td>606</td>
</tr>
<tr>
<td>09</td>
<td>611</td>
</tr>
<tr>
<td>10</td>
<td>612</td>
</tr>
<tr>
<td>10B</td>
<td>613E</td>
</tr>
<tr>
<td>10BE</td>
<td>613L</td>
</tr>
<tr>
<td>10BL</td>
<td>618</td>
</tr>
<tr>
<td>14</td>
<td>619</td>
</tr>
<tr>
<td>15</td>
<td>624</td>
</tr>
<tr>
<td>20D</td>
<td>625</td>
</tr>
<tr>
<td>26D</td>
<td>626</td>
</tr>
<tr>
<td>32D</td>
<td>629</td>
</tr>
<tr>
<td>32D</td>
<td>630</td>
</tr>
<tr>
<td>BSP</td>
<td></td>
</tr>
<tr>
<td>WSP</td>
<td></td>
</tr>
</tbody>
</table>

* Only available with 15, 26D and 32D finishes

Note: Fields vary by file type and may not accurately represent the entire page. For more information, please refer to the source document.
UL Listed Hurricane-Resistant
HC8700 Surface Vertical Rod Exit Device
80 Series

Features
- Meets the abuse and high wind loads required by Florida building code including HVHC.
- Accepted & approved with CURRIES hollow metal doors and McKINNEY hinges. Any substitution of hardware makes the Hurricane Code inapplicable.
- Devices are ANSI/BHMA A156.3 - Grade 1

Note: For additional information on 8700 Series, see page 14

HC8700 Series
Surface Vertical Rod
Exit Device

Openings
8'0" x 8'0" (2438mm x 2438mm) Curries 16 gauge 747 flush, S edge

Frames
CURRIES 16 gauge KD, Pipe spacer anchors only, 12 gauge full sleeve reinforcing and existing opening anchor in head of frame

Hinges
MCKINNEY TA2714 or T2714

Hardware Configuration 1
SARGENT HC8700 or 12-HC8700 Exit Devices on both leaves

Hardware Configuration 2
SARGENT 8200 Series mortise lock (active),
SARGENT HC8700 or 12-HC8700 exit devices (inactive),
Ives 360 surface bolts at 5 3/4" (147mm) at centerline

Strikes
654 top bolt in frame with larger mounting screws for both top and bottom cases. 655 bottom strike furnished standard

Rail sizes as determined by door width
Rails are available in 4 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied
- E Rail for 24" to 32" door widths, No cutting required for 32' door
- F Rail for 33" to 36' door widths, No cutting required for 36' door
- J Rail for 37" to 42" door widths, No cutting required for 42' door
- G Rail for 43" to 48" door widths, No cutting required for 48' door

Strike
654 Top Latch (Panic and Fire Rated)
655 Bottom Strike (Panic and Fire Rated)

Doggling Feature
Hex key dogging standard on non fired rated devices; specify 16- for cylinder dogging (#41 cylinder supplied)

Top & Bottom Bolt
Stainless steel

Device Centerline
41" (1041 mm) for Standard Applications
38" (965mm) for elementary schools

Door/Opening Height
Must be specified - 96" (2438mm) Max Door Opening

Fire Exit Hardware
See Chart – Page 6

Note: Approved single openings cannot be used as a pair, but a door in a pair can be used as a single opening

654 Top Latch
- For HC8700/12-HC8700
- Latchbolt nylon coated
- Stainless steel

655 Bottom Strike
- For HC8700/12-HC8700
- Stainless steel
- Black nylon coated
# UL Listed Hurricane-Resistant HC8700 Functions and Trims

## 80 Series

### How to order:

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lgth</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
<th>Door Height</th>
<th>AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-63-</td>
<td>HC87</td>
<td>13</td>
<td>F</td>
<td>ETL</td>
<td>RHR</td>
<td>15</td>
<td>32D</td>
<td>36&quot;</td>
<td>84&quot;</td>
<td>41&quot;</td>
</tr>
</tbody>
</table>

### 700 Series ET Trim

Exits with ET Trim, specify lever design after the ET designation (e.g., ET).

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4' Door)</th>
<th>ANSI Type 2 HC8700 Panic &amp; Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>HC8706 x ET_</td>
</tr>
<tr>
<td>10</td>
<td>01</td>
<td>No outside operation (No Cylinder)*</td>
<td>HC8710</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>No outside operation (No Cylinder)* ET Control is used as Pull Only</td>
<td>HC8710 x ET_</td>
</tr>
<tr>
<td>13</td>
<td>08</td>
<td>Key Outside Unlock/Lock Trim #41 Cylinder Supplied</td>
<td>HC8713 x ET_</td>
</tr>
<tr>
<td>15</td>
<td>14</td>
<td>Passage Only (No cylinder)</td>
<td>HC8715 x ET_</td>
</tr>
</tbody>
</table>

### Lever Designs for ET Controls

A, B, E, F, J, L, P, W

Also available with Coastal Series & Studio Collection Levers

### ET Designation with Suffix

(Used to order ET without device)

HC8700 Series: 706, 710, 713, 715, 740, 743, 746, 773 & 774

### Freewheeling Trim

The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever.

### Electrified ET Trim

Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

### 300 Series* Auxiliary Control & 862 Pull

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4' Door)</th>
<th>HC8700 Panic &amp; Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>12</td>
<td>Key unlocks Turn, Turn retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>HC8710 x 306</td>
</tr>
<tr>
<td>10</td>
<td>02</td>
<td>862 Pull Only (Optional Pulls: 863 &amp; 864)</td>
<td>HC8710 x 862</td>
</tr>
<tr>
<td>13</td>
<td>11</td>
<td>Key Outside Unlock/Lock Turn #41 Cylinder Supplied</td>
<td>HC8710 x 313</td>
</tr>
</tbody>
</table>

### Pull & Thumbpiece Trim Section

- Use only letter designations when ordering the Exit Device with trim
- Use the six digit designation (Ex “866-MAL”) when ordering trim without an Exit Device, always specify finish

## Available Finishes

### SARGENT Finishes

[Table of finishes]

### BHMA Finishes

[Table of finishes]

### Mechanical Options:

12, 16, 19, 31, 36, 37, 41, 51, 54, 55, 56, 56-EH, 57, 58, 59, BC-59, 76, 85, 86, 87, AL, RE, CPC, PL, ST, SB, TB

### Cylinder Options


* Cylinder Override is available with a 306 Aux Control

Note: ET Control is used as Pull Only

(Optional Pulls: 863 & 864)

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* Only available with 15, 26D and 32D finishes

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FM8700 Series
Surface Vertical Rod Exit Device

Features
- 2-point latching exit device
- UL Listed in compliance with ICC 500 (2014) and FEMA P-361 (2015)
- Specially machined rail and internal components make the FM8700 sturdier and more robust than standard products
- Devices are ANSI/BHMA A156.3 - Grade 1
- UL10C (Fire) Listed

Specifications:

<table>
<thead>
<tr>
<th>Doors and Frames</th>
<th>CEFCO DOOR and CURRIES StormPro® Series Door Assemblies</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- 6'-0&quot; x 6'-8&quot; to 8'-0&quot; x 8'-0&quot; for pairs of fire rated doors</td>
</tr>
<tr>
<td></td>
<td>- 3'-0&quot; x 6'-8&quot; to 4'-0&quot; x 8'-0&quot; for single fire rated doors (Requires 4 Thermal Pins)</td>
</tr>
<tr>
<td>Hardware</td>
<td>SARGENT FM8700 or 12-FM8700 Exit Device on both leaves or single door applications</td>
</tr>
<tr>
<td>Hinges</td>
<td>McKinney SP3386/SP3786 StormPro® Tornado Resistant Butt Hinges</td>
</tr>
<tr>
<td></td>
<td>McKinney MCK-HG305 Continuous Hinges</td>
</tr>
<tr>
<td></td>
<td>Markar HG305 Continuous Hinges</td>
</tr>
<tr>
<td>Strikes</td>
<td>659 Top Strike in frame and 653 bottomstrike furnished standard</td>
</tr>
<tr>
<td>Shim Kit</td>
<td>569 Shim Kit furnished standard</td>
</tr>
<tr>
<td>Rail sizes as determined by door width</td>
<td>Rails are available in 3 sizes, use door width to determine size needed. Rails will be factory cut to size, if door width is supplied</td>
</tr>
<tr>
<td></td>
<td>- F Rail for 36&quot; door width</td>
</tr>
<tr>
<td></td>
<td>- J Rail for 37&quot; to 42&quot; door widths, No cutting required for 42&quot; door</td>
</tr>
<tr>
<td></td>
<td>- G Rail for 43&quot; to 48&quot; door widths, No cutting required for 48&quot; door</td>
</tr>
<tr>
<td>Dogging Feature</td>
<td>Hex key dogging available on non fired rated devices only</td>
</tr>
<tr>
<td>Electric Options</td>
<td>54- Outside Lever Monitoring Option</td>
</tr>
<tr>
<td>Mounting Fasteners</td>
<td>Supplied standard with machine screws and with throughbolts for the latch cases</td>
</tr>
<tr>
<td>Top &amp; Bottom Bolt</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Device Centerline from Finished Floor</td>
<td>41&quot; (1041mm) for Standard Applications</td>
</tr>
<tr>
<td></td>
<td>38&quot; (965mm) for elementary schools</td>
</tr>
<tr>
<td>Center Case Dimensions</td>
<td>8-3/8&quot; (213mm) x 2-5/8&quot; (67mm)</td>
</tr>
<tr>
<td>Projection</td>
<td>Pushbar Neutral – 3&quot; (76mm)</td>
</tr>
<tr>
<td></td>
<td>Pushbar Depressed – 2-1/8&quot; (54mm)</td>
</tr>
<tr>
<td>Fire Exit Hardware</td>
<td>See Chart – Page 6</td>
</tr>
</tbody>
</table>

569 Shim Kit

659 Top Strike

653 Strike

653 Bottom Strike
Panic and Fire-Rated

Note: See assembly guide card/UL website for all available FEMA and ICC 500 (2014) rated options
# UL Listed Tornado-Resistant

## FM8700 Functions and Trims

### 80 Series

<table>
<thead>
<tr>
<th>How to order:</th>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Lgth</th>
<th>Trim</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
<th>Door Height</th>
<th>AFF</th>
</tr>
</thead>
</table>

#### 700 Series ET Trim
Exits with ET Trim, specify lever design after the ET designation (e.g., ETL)

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4&quot; Door)</th>
<th>ANSI Type 2</th>
<th>FM8700 (Panic &amp; Fire)</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>FM8706 x ET_</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>No outside operation (No Cylinder)*</td>
<td>FM8710</td>
<td></td>
</tr>
<tr>
<td></td>
<td>02</td>
<td>No outside operation (No Cylinder)*</td>
<td>FM8710 x ET_</td>
<td></td>
</tr>
<tr>
<td></td>
<td>08</td>
<td>Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>FM8713 x ET_</td>
<td></td>
</tr>
<tr>
<td></td>
<td>14</td>
<td>Passage Only (No cylinder)</td>
<td>FM8715 x ET_</td>
<td></td>
</tr>
<tr>
<td></td>
<td>02</td>
<td>Freewheeling Trim - No outside operation <em>(No Cylinder)</em> Dummy Trim</td>
<td>FM8740 x ET_</td>
<td></td>
</tr>
<tr>
<td></td>
<td>08</td>
<td>Freewheeling Trim - Key Outside Unlocks/locks Trim #41 Cylinder Supplied</td>
<td>FM8743 x ET_</td>
<td></td>
</tr>
<tr>
<td></td>
<td>09</td>
<td>Key unlocks Trim, Trim retracts latch/Trim relocks when key is removed #41 Cylinder Supplied</td>
<td>FM8746 x ET_</td>
<td></td>
</tr>
<tr>
<td></td>
<td>09</td>
<td>Electrified ET Trim - Fail Safe Power Off, Unlocks Lever (No Cylinder)*</td>
<td>FM8773 x ET_</td>
<td></td>
</tr>
<tr>
<td></td>
<td>09</td>
<td>Electrified ET Trim - Fail Secure Power Off, Locks Lever (No Cylinder)*</td>
<td>FM8774 x ET_</td>
<td></td>
</tr>
</tbody>
</table>

#### Lever Designs for ET Controls
A, B, E, F, J, L, P, W
Also available with Coastal Series & Studio Collection Levers

#### ET Designation with Suffix (Used to order ET without device)

| FM8700 Series | 706, 710, 713, 715, 740, 743, 746, 773 & 774 |

#### Freewheeling Trim
The lever rotates when the door is locked preventing excessive force from being applied to the horizontal lever

#### Electrified ET Trim
Voltage must be specified for the following functions: 73 and 74. Specify: 12VDC or 24VDC

Note: Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices

Note: Aff means Above Finished Floor, center line of rail Above Finished Floor

* Cylinder Override is available with a 306 Aux Control

Example Order: FM8773F 12V x ETMG x 306 x RHR x 320 x 36”w x 84”h

### 300 Series Auxiliary* Control

<table>
<thead>
<tr>
<th>SARGENT Function Numbers</th>
<th>ANSI Function Numbers</th>
<th>Description &amp; Cylinder Info (1-3/4&quot; Door)</th>
<th>FM8700 Panic &amp; Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>06</td>
<td>12</td>
<td>Key unlocks Turn, Turn retracts latch/Turn relocks when key is removed #41 Cylinder Supplied</td>
<td>FM8710 x 306</td>
</tr>
<tr>
<td>13</td>
<td>11</td>
<td>Key Outside Unlocks/locks Turn #41 Cylinder Supplied</td>
<td>FM8710 x 313</td>
</tr>
</tbody>
</table>

Note: When ordering FM8700 Series Exit Device x 300 Series Aux. Control, specify 10 Function for the exit.

Example: FM8710F x 306 x RHR x 320 x 42” x 90

### Available Finishes

#### SARGENT Finishes

<table>
<thead>
<tr>
<th>SARGENT Finishes</th>
<th>BHMA Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>605</td>
</tr>
<tr>
<td>04</td>
<td>606</td>
</tr>
<tr>
<td>09</td>
<td>611</td>
</tr>
<tr>
<td>10</td>
<td>612</td>
</tr>
<tr>
<td>10B</td>
<td>613</td>
</tr>
<tr>
<td>10B</td>
<td>613E</td>
</tr>
<tr>
<td>10B</td>
<td>613L</td>
</tr>
<tr>
<td>14</td>
<td>618</td>
</tr>
<tr>
<td>15</td>
<td>619</td>
</tr>
<tr>
<td>20D</td>
<td>624</td>
</tr>
<tr>
<td>26D</td>
<td>625</td>
</tr>
<tr>
<td>32</td>
<td>626</td>
</tr>
<tr>
<td>32D</td>
<td>629</td>
</tr>
<tr>
<td>32D</td>
<td>630</td>
</tr>
<tr>
<td>33D</td>
<td>630</td>
</tr>
<tr>
<td>34D</td>
<td>630</td>
</tr>
<tr>
<td>35D</td>
<td>630</td>
</tr>
<tr>
<td>36D</td>
<td>630</td>
</tr>
</tbody>
</table>

* Only available with 15, 26D and 32D finishes

---

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## ElectroLynx® Information and Option Compatibility Chart

### 80 Series

### ElectroLynx Connector & Color Chart

#### Electrified Trim (Solenoid ET and/or 54-) requires its own QC8 Hinge

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>1- Black</th>
<th>2- Red</th>
<th>3- White</th>
<th>4- Green</th>
<th>5- Orange</th>
<th>6- Blue</th>
<th>7- Brown</th>
<th>8- Yellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELECTRIFIED EXIT TRIM</td>
<td>Power</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solenoid functions and Lever Monitoring</td>
<td>solenoid ET Trim</td>
<td>54- Switch Option</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** For more information on ElectroLynx® Retrofit Kits and harnesses, see instruction document A7738, located at the SARGENT web site.

#### Electrified Exit Devices will require their own QC8 or QC12 Hinge as determined by specified options (see chart below)

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>1- Black</th>
<th>2- Red</th>
<th>3- White</th>
<th>4- Green</th>
<th>5- Orange</th>
<th>6- Blue</th>
<th>7- Brown</th>
<th>8- Yellow</th>
</tr>
</thead>
<tbody>
<tr>
<td>80 Series Exits</td>
<td>Power</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>56- &amp; 58-</td>
<td>53-</td>
<td>53- Switch Option</td>
<td>55- Switch Option</td>
<td>TL- SARGuide</td>
<td>56- TIMER CIRCUIT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEG</td>
<td>POS</td>
<td>C</td>
<td>53-NO 56-NO</td>
<td>53-NC 56-NO</td>
<td>C</td>
<td>NO</td>
<td>NC</td>
<td>NEG</td>
</tr>
</tbody>
</table>
| **Note:** All electrical options are supplied with ElectroLynx® connectors and require McKinney QC hinges and cables to complete the system.

### Electrical Option Availability Chart

#### Primary Options

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BT-</td>
<td>12-</td>
<td>12-</td>
<td>12-</td>
<td>12-</td>
<td>12-</td>
<td>12-</td>
<td>12-</td>
<td>12-</td>
<td>12-</td>
</tr>
</tbody>
</table>

**Note:** Underlined compatible options affect minimum door width. Consult factory.

* The AL- design includes monitored push rail

** The 59- design includes monitored push rail and latch
Exit Device Security Shim Kit

The SARGENT 541 Exit Device Security Shim Kit fills the gap between the exit device and the glass creating a flush surface. This kit can be easily trimmed and installed to accommodate most door styles without removing the SARGENT push rail exit device.

This not only responds to the ever increasing need for improved building security, but also maintains the facility’s aesthetic design.

Features & Benefits:

• Nylon and brushed aluminum construction can be easily cut and trimmed for custom fit
• Fits all doors up to 48” wide and stiles ranging from 4-1/2” to 6”
• Adjustment shims accommodate gaps from 3/8” to 3/4”
• 6 Lobe tamper proof security screws are included
• A T10 Torx driver required for assembly
• Fasteners are countersunk for flush finish
• 541 Kit contains a 48” shim, ready to be sized

How to order:

• 541 Kit
**PL- Photoluminescent Option (non-electrified)**

SARGuide® PL Exit Device – with photoluminescent coating – is a non electrical option which produces visible EXIT signage in darkness or low lit areas.

- Approved for use in New York City in accordance with RS 6-1 and RS 6-1A
- Recharges from ambient light
- No wiring or maintenance needed
- Available for all door widths
- Order as a PL- option (e.g., PL-8713F x ETMA x 32D x 36” x 84”)

**TL- SARGuide® Electroluminescent Option**

The SARGuide® illuminated exit device increases visibility of exit locations in dark or smoke filled passages, supplementing existing codes for egress lighting. SARGuide® utilizes state-of-the-art FLATLITE electroluminescent lighting from E-Lite Technologies Inc.

- UL Listed for use on panic (UL 305) and fire-rated (UL 10C) exit devices
- Available with all 80 Series Devices, except FM8700 Devices
- Provided with ElectroLynx® 4 Pin Connector
- Requires 24VDC Power Supply
- Patent pending and/or patent www.assaabloydss.com/patents
- Minimum Door Widths:
  - Wide Stile Door 26”
  - Narrow Stile Door 26”
- See page 75 for compatible options
- See McEwan’s Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a TL- option (e.g., TL-8813 x ETL x 32D x 36” Door)

**53- Latch Bolt Monitoring Option**

The latch monitor provides tamper resistant latch monitoring, not just rail movement sensing. The monitor switch is activated when the rail is depressed or where there is movement of the latch.

- Switch type SPDT form “C” contacts
- 30 VDC@2 Amp. maximum rating
- All wires run through rail
- Field installation kits are not available
- Available for all door widths
- Adjustable switch bracket to fine tune sensitivity: set screw pivot bracket allows precise adjustment for more accurate notification of latchbolt movement (8500 and 8800 Series only).
- Available with all 80 Series Devices, except LP, LR, LS, PP-, PR- & SP8600, FM8700
- See page 75 for compatible options
- See McEwan’s Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 53- option (e.g., 53-8813F x ETJ x 32D x 36” Door)
Alarm Option (AL-)
Request-to-Exit Option (55-)

80 Series

**AL- Alarm Option**

SARGENT's AL-80 Series Exit Devices are designed for areas requiring a stand-alone alarm on outward swinging doors. This device has an integrated alarm in the push rail to discourage the unauthorized use of emergency exit doors. The alarm inside the rail sounds immediately upon exit. The AL-80 Series is ideal for rear exterior doors, doors leading to a rooftop, or anywhere security is a concern.

**Features**
- Microprocessor based alarm board
- When armed, alarm sounds immediately upon rail depression
- All exit devices have tamper resistant latching (Guarded Latch)
- Battery powered – 9VDC
- 103 Db @ 8 ft pulsating horn
- Flashing red LED provides visible violation indication, reset by key only
- Low battery alert
- Field selectable continuous alarm option-3267 Power Supply and 546 Harness recommended
- Automatic re-arming option
- Supplied with a #41 (1-1/8") with standard off set cam
- UL Listed and cUL Listed
- Rail Monitoring & Guarded Latch are standard internal features
- Available with all 80 Devices, except LP, LR, LS8600, FM8700,WS & HC8800 Devices
- Minimum Door Widths:
  - Wide Stile Door: E-n/a; F-36” only; J-42’-39”;
  - Narrow Stile Door: E-32” only; F-36’-34”; J-42’-37”; G-48’-43”
- See page 75 for compatible options
- See McKinney’s Transfer Device Solutions Catalog for QC Hinge and cable requirements (if hard wired)
- Order as an AL- option (e.g., AL-8916F x ETJ x 32D x 36” Door)

**545 Alarm Retrofit Kits**

Alarm retrofit kits available for the following 80 Series devices - 8300, MD8600, WD8600, GL-8800, and 8900 only. (GL-8800: Rim device with guarded latch)

<table>
<thead>
<tr>
<th>Kit #</th>
<th>Device Style</th>
<th>Pivot to Pivot</th>
<th>Rail Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>545-1</td>
<td>Wide</td>
<td>11-1/4”</td>
<td>F</td>
</tr>
<tr>
<td>545-2</td>
<td>Narrow</td>
<td>11-1/4”</td>
<td>F</td>
</tr>
<tr>
<td>545-3</td>
<td>Wide</td>
<td>8-1/2”</td>
<td>E</td>
</tr>
<tr>
<td>545-4</td>
<td>Narrow</td>
<td>20-1/2”</td>
<td>G</td>
</tr>
<tr>
<td>545-5</td>
<td>Narrow</td>
<td>14”</td>
<td>J</td>
</tr>
<tr>
<td>545-6</td>
<td>Wide</td>
<td>14”</td>
<td>J</td>
</tr>
</tbody>
</table>

**546 Wiring Harness**

Harness allows for remote control of the alarmed exit device
- Remote Alarm Reset– reset from remote location
- External Inhibit – shunts alarm from remote location
- Remote Power – allows unit to be wired to a 9VDC power supply (3267)
- Remote Monitor – allows unit to be wired to remote console
- Order as:
  - 546 - Wiring Harness (For AL- option) - Mfg. prior to 7/1/04
  - 546-F - Wiring Harness for F-Size Rails - Mfg. after 7/1/04
  - 546-G - Wiring Harness for G-Size Rails - Mfg. after 7/1/04
  - 546-J - Wiring Harness for J-Size Rails - Mfg. after 7/1/04

**55- Request-to-Exit Option**

SARGENT Request-to-Exit Signal Switch option for exit devices provides push rail monitoring for a variety of applications; such as to sound an alarm, initialize a delayed egress system, or de-energize an electromagnetic lock.

Switch type SPDT form “C” contacts
- 30 VDC@2 Amp. maximum rating
- All wires run through rail
- Available with all 80 Series devices, except for FM8700
- See page 75 for compatible options

**Universal 855 Retrofit Kit**

- Retrofits existing 80 Series device installations with Request-to-Exit Signal Switch option
- Available for wide and narrow stile devices and 8895 Active Dummy Rail
- Compatible with all rail sizes (E, F, J, G)
- Can not be used with 56- rails
- To order separately, order as 855

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SARGENT’s Electric Latch Retraction exit device is the perfect choice for high traffic egress doors that require access control. This non-handed exit device rail is durable and easy to install. It utilizes a latch retraction motor rather than a solenoid, ensuring quiet operation ideal for locations such as conference rooms, theaters and libraries. Once retracted, the door functions in a push/pull manner.

The 56- exit device can be dogged for momentary ingress and egress and is commonly used in conjunction with an automatic door operator. The device can be dogged continuously on fire-rated devices that are tied into the building’s fire detection system.

**56- Electric Latch Retraction Features**
- 5 year warranty
- Patent pending and/or patent www.assaabloydss.com/patents
- Field serviceable - modular design
- Motor driven latch retraction for smooth, precise operation
- Amount of rail retraction is automatically controlled by the 56- circuitry
- System actively monitors its position and adjusts itself
- Digital retraction timer (0-20 seconds; factory setting is 5 seconds)
- Non-contact Request-to-Exit (55-) switch available
- Retrofit kits available - see next page
- Standard electric hinge - no special power transfer required
- Can be used for continuous and intermittent use
- UL Listed for Class II Circuitry
- Power Requirements: 24VDC regulated/filtered power supply (3500 Series)
- Current draw: .6A during retraction and .25A maintained in dogged hold position
- Requires 1A at 24VDC regulated/filtered power supply
- Available for all 80 Series exit devices (except FM8700)
- See page 75 for compatible options
- Minimum Door Widths:
  - Wide Stile Door 28”
  - Narrow Stile Door 28”
- See McKinney’s Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 56- option
  (e.g., 56-HK-8913F x ETMF x 32D x 36”)

**Optional Accessories**
- 3500 Series Power Supply
- 4370 Keyswitch
- 4291/4292 Keypad
- 3287 Door Status Switch
- 881 Monitor Strike
- 4341 Push Button Switch (momentary)

**Note:** HK- and 16- are not available for Fire Rated Doors

**Note:** The 56- Option is not supplied with Manual Dogging (Hex Key or Cylinder Dogging) unless specified
### M56- Motor Retrofit Kits

The M56- Motor Retrofit Kits can only be added to 80 Series Exit Devices* manufactured after 2006 & P Series Exit Device.

<table>
<thead>
<tr>
<th>Rail Sizes</th>
<th>Upgradeable Design</th>
<th>Upgrade using R56 Kits only</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-1/2&quot; = &quot;E&quot; Rail**</td>
<td>Exit Devices that are upgradeable have straight push rail nose &amp; tail, manufactured starting in 2007</td>
<td>Exit Devices with a stepped Nose &amp; Tail, produced prior to 2007, require the R56 Kits; the Push must be replaced</td>
</tr>
<tr>
<td>11-1/4&quot; = &quot;F&quot; Rail**</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14&quot; = &quot;J&quot; Rail</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20-1/2&quot; = &quot;G&quot; Rail</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Except Exit Devices with a stepped Nose & Tail, produced prior to 2007 and all FM8700 Series Exit Devices
  ** Motor Retrofit Kits are identical for E and F size Rail Assemblies

- 55-M56 Kit: Request to Exit Signal Switch is integrated into the connecting arm within the rail
- 56- Motor Retrofit Kits can be used with 855 Request to Exit Kit or 816 Cylinder Dogging Kits
- Kits require a minimum insert length of 5" for 56- & 7" for 16-56- for the electronics
- Rail size is needed when ordering to supply the correct length wires

Option Available: 55- Non-Contact Request to Exit switch

How to Order: M56A (Kit #) x F (Rail Size)
Kit includes: Motor Bracket Assy, Motor Controller & Fasteners

### R56- Retrofit Kits with Push Rail

The R56- Push Retrofit Kits can only be added to 80 Series* Exit Device manufactured after 1995.

<table>
<thead>
<tr>
<th>Rail Sizes</th>
<th>Upgradeable Design</th>
<th>Mounting Rail Pivots</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-1/2&quot; = &quot;E&quot; Rail</td>
<td>Upgradable Exit Devices do not have Pivots in the Mtg Rails; manufactured starting in 1995</td>
<td>Devices with Mounting Rail Pivot Pins can Not be upgraded</td>
</tr>
<tr>
<td>11-1/4&quot; = &quot;F&quot; Rail</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14&quot; = &quot;J&quot; Rail</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20-1/2&quot; = &quot;G&quot; Rail</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Except 80 Series Exit Devices produced prior to 1995 and all FM8700 Series Exit Devices

- Adding a R56 Kit to a 55- Rail, the 55- Switch will be eliminated.
- For 55-56- Rail Assemblies, use either a 55-R56 Kit or a R56 Kit with a 855 Kit
- R56A & R56B Kits can be used with 855 Request to Exit Kit or 816 Cylinder Dogging Kits
- Kits require a minimum insert length of 5" for 56- & 7" for 16-56- for the electronics

Options:
19- Push Rail less the Black Lexan Touch Pad
55- Non-Contact Request to Exit switch
HK- Hex Key Dogging to allow for manual dogging of the device
SG- MicroShield® antimicrobial clear powder coat (only available with 15, 26D and 32D finishes)

How to Order: R56A (Kit #) x F (Rail Size) x 32D (Finish);
Kit includes: Motor Bracket & Push Rail Assy, Motor Controller & Fasteners
Delayed Egress Option (57-) and Electro-Magnets
80 Series

Commonly used in schools, nursing homes, shopping centers and libraries, delayed egress exit devices provide a means of monitoring egress to prevent unauthorized exit. When the exit device push pad is depressed, the 57-80 Series delayed egress exit device sounds an alarm from the rail to alert personnel that someone is attempting egress. The exit device stays secure, via electromagnetic lock, for fifteen seconds, allowing time for personnel to respond.

Momentary release for egress (adjustable for 5, 10, 20 or 40 seconds) is provided by a cylinder on the rail or from a remote location. When the fire alarm system is activated (if connected), the exit device disarms and allows immediate egress.

Note: As of February 2014, the 57- option has a new design. The updated 57- functionalities utilize new sensor technologies and is only available for order as a complete device. Component upgrades are not offered with prior generation products because wire harnesses are not backwards compatible. When replacing an existing device with an updated one, there is no change to door templating or mounting.

Features

Compliance
- Conforms to NFPA 101 Special Locking Arrangements
- Available in UL Listed Panic and Fire Rated (12- option) devices
- UL294 Listed for Special Locking Arrangements
- When ordered with BC- option, complies with BOCA code relating to delayed egress. Requires door status switch (3287) ordered separately

Operation
- Depressing the push rail for one second or longer initiates an alarm
- LED visual notification system for easy identification of armed device; LED lights are field-selectable as red or green
- Momentary or maintained egress with key OR from a remote location
- Alarm disabled by key in the rail OR by remote reset
- Alarm sounds for fifteen seconds during unauthorized egress; after fifteen seconds external electromagnetic lock releases. 30 second delay available with written permission of Authority having Jurisdiction
- Field adjustable nuisance delay (0 or 1 second)
- Device requires electromagnet (ordered separately)
- External inhibit features with authorized egress, card reader access and scheduled delayed egress from access control panel

Specifications
- Standard size 41 mortise cylinder in rail
- Field adjustable momentary time delay preset for five seconds at factory
- 80dB horn enclosed in rail assembly
- Uses standard electric hinge - no special power transfer required
- Guarded & monitored latch and rail standard
- Power Requirements: 24VDC regulated/filtered power supply
- Key override capabilities
- Current draw: .2 amp. nominal, .5 amp (max) with optional features (.275 amp maximum electromagnetic load)
- Minimum Door Widths:
  - Wide Stile Door 36"
  - Narrow Stile Door 32"
- Shipped with decal “Emergency Exit Only. Push until alarm sounds. Door can be opened in 15 seconds”
- See MCKINNEY’S Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Available for all 80 Series devices, except LP, LR, LS8600 & FM8700 Devices
- Order as a 57- option (e.g., 57-8813F x ETJ x 32D x 36’ Door)
- See page 75 for compatible options

Installation & Maintenance
- Diagnostic LEDs on PC board for easy troubleshooting

Accessories for System Design
- 54-700 ET Control
- 881 Monitor Strike
- 1584 Electromagnet
- 3287 Door Status Switch
- 4371 LT Keyswitch
- 4291 or 4292 Keypad
- 3520, 3540, 3550, or 3570 Power Supply
1580 Series Electromagnetic Locks: For 57- Exit Devices and Other Applications

- Hold door closed with 1200 lbs. of direct holding force
- Used for push or pull applications
- Stainless steel case
- Self-aligning armature
- Hardened machine screws for mounting
- 10’ integral cable for easy wiring
- Internal electronics
- .250 amp @ 12VDC, .125 amp @ 24VDC
- For use on exterior and interior openings
- Single and double door applications
- Accessories available for various frame conditions
- UL Listed, Auxiliary Lock and Releasing Device
- UL Recognized for Special Locking Arrangements
- Accepted for City of New York, Department of Buildings
- Temperature range: -40°F to +140°F (-40°C to +60°C)
- Fail safe operation
- Finishes: 28, 32D, EB, ED

1580 Series Electromagnetic Locks:

1584 - Push Application - Single Door

- Electromagnet for Push Side Applications on single doors
- 1584 – Standard Finish 32D
- Specify: H Suffix is for Metal Cover Specify Finish: 28, EB or ED
- Order as: 1584 or 1584H x Finish

1585 - Push Application - Double Door

- Two electromagnetic locks with sensor
- 1585 – Standard Finish 32D
- Specify: J Suffix is for Dress Cover Specify Finish: 28, EB or ED
- Order as: 1585 or 1585J x Finish

1586 - Pull Application - Single Door

- Electromagnetic lock mounted on inswinging side of the door to protect it from physical assault
- Supplied “Z” bracket & cover
- Specify Finish: 28, 32D, EB and ED
- Order as: 1586 x Finish or 1587 x Finish

Accessories for 1580 Series Electromagnets

Header Extension Bracket for 1508 Series Electromagnets

- Dimensions: 3” x 3” x 8”
- Used to extend a narrow header
- Finishes Available: 28 or ED
- Order as: 15-2107 x Finish

Concrete/Wood Frame Bracket for 1580 Series Electromagnets

- Thickness: 1/2”
- Allows mounting on concrete filled or wood door frames
- Includes Fasteners
- Available in 28 or ED finishes
- Order as: 15-2113 x Finish

Stop Filler Plates for 1508 Series Electromagnets

- Dimensions: 8” x 1-1/4”
- Extends the stop when only part of the magnet body is on the stop
- Standard Finish: 28 finishes
- Various thicknesses available
- Order as:
  - 15-2109 for 1/4” thickness
  - 15-2110 for 3/8” thickness
  - 15-2111 for 1/2” thickness
  - 15-2112 for 5/8” thickness

“Z” Bracket for 1580 Series Electromagnet 15-2114

- Allows mounting of electromagnetic lock on inswinging doors
- “Z” Bracket includes cover & fasteners
- Finishes Available ED, 28 & 32D
- Order as: 15-2114 x Finish

Full Length Housing for 1580 Series Electromagnets

- Available for double & single doors without vertical rod exit devices or mullion
- Standard Finish: 32D
- Specify door opening width
- 15-2116 - Housing Double Horizontal (96” Std)
- 15-2117 - Housing Double Vertical (96” Std)
- 15-2118 - Housing Single Horizontal LHR (48” Std)
- 15-2119 - Housing Single Horizontal RHR (48” Std)

Dress Covers

- Provides finished look to electromagnetic locks
- Available in EN, EB, and 28 finishes
- Order as:
  - 15-0078 for single electromagnetic lock
  - 15-0079 for double electromagnetic lock
## Electric Dogging Option (58-)

### 80 Series

#### 58- Electric Dogging
Libraries, auditoriums, theaters, courtrooms, churches and schools benefit from the convenience of electric dogging (unlocking). When the 58-80 Series exit device is energized and the push rail is depressed, it will continuously hold the push rail down and the latch(es) will be held retracted. When the device is de-energized or power is interrupted, the latch(es) will extend. This feature is ideal for areas that require the silent operation of exit device hardware.

#### 58- Features
- Provides quiet ingress and egress when dogged
- Standard electric hinge - no special power transfer required
- Manual hex key dogging provided on non-fire rated devices
- UL Listed for Panic and Fire (12-)
- Holding force 70 lbs. min.
- Power Requirements: 24VDC regulated/filtered power supply (3500 Series)
- Current draw: .2 amp
- Available for all 80 Series Devices, except FM8700 Devices
- See page 75 for compatible options
- Available for all door widths
- See McKinney’s Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Order as a 58- option (e.g., 58-8813F x ETJ x 32D x 36’ Door)

#### Optional Accessories
- 4370 Key Switch
- 881 Monitor Strike
- 3287 Door Status Switch
- 3520, 3540, 3550, or 3570 Power Supply
ElectroGuard Delayed Egress Option (59-)

80 Series

59- Self Contained Delayed Egress Device

Commonly used in schools, nursing homes, shopping centers and libraries, delayed egress exit devices provide a means of monitoring egress to prevent unauthorized exit. When the exit device push pad is depressed, the 59-80 Series delayed egress exit device sounds an alarm from the rail to alert personnel that someone is attempting egress. The exit device stays secure for fifteen seconds, allowing time for personnel to respond.

Momentary release for egress (adjustable for 5, 10, 20 or 40 seconds) is provided by a cylinder on the rail or from a remote location. When the fire alarm system is activated (if connected), the exit device disarms and allows immediate egress.

Note: As of February 2014, the 59- option has a new design. The updated 59- functionalities utilize new sensor technologies and is only available for order as a complete device. Component upgrades are not offered with prior generation products because wire harnesses are not backwards compatible. When replacing an existing device with an updated one, there is no change to door templating or mounting.

59- Features

Compliance
- Conforms to NFPA 101 Special Locking Arrangements
- Available in UL Listed Panic and Fire Rated (12- option) devices
- UL294 Listed for Special Locking Arrangements
- When ordered with BC- option, complies with BOCA code relating to delayed egress. Requires door status switch (3287) ordered separately

Operation
- Depressing the push rail for one second or longer initiates an alarm
- LED visual notification system for easy identification of armed device; LED lights are field-selectable as red or green
- Momentary or maintained egress with key OR from a remote location
- Alarm disabled by key in the rail OR by remote reset
- Alarm sounds for fifteen seconds during unauthorized egress; after fifteen seconds lock releases. 30 second delay available with written permission of Authority having Jurisdiction
- Field adjustable nuisance delay (0 or 1 second)
- External inhibit features with authorized egress, card reader access and scheduled delayed egress from access control panel

Specifications
- Rod guards must be used on surface vertical rod devices. Consult factory for more information
- Standard size 41 mortise cylinder in rail
- Field adjustable momentary time delay preset for five seconds at factory
- 80dB horn enclosed in rail assembly
- Uses standard electric hinge - no special power transfer required
- Guarded & monitored latch and rail standard
- Power Requirements: 24VDC regulated/filtered power supply
- Key override capabilities
- Current draw: .2 amp. nominal, .5 amp (max) with optional features
- Minimum Door Widths:
  - Wide Stile Door 32”
  - Narrow Stile Door 32”
- Ability to gang up to 12 doors
- Shipped with decal “Emergency Exit Only. Push until alarm sounds. Door can be opened in 15 seconds”
- See McKinney’s Transfer Device Solutions Catalog for QC Hinge and cable requirements
- Available for all 80 Series devices, except LP, LR, LS, SP8600, FM, ND8700, MS, and HC8800 Devices
- Order as a 59- option (e.g., 59-8813F x ETJ x 32D x 36” Door)
- See page 75 for compatible options

Installation & Maintenance
- Diagnostic LEDs on PC board for easy troubleshooting
Electrified and Monitored (54-) ET Trims and Power Supplies
80 Series

**Electro-Mechanical ET Lever Handle Controls**

Solenoid controlled ET trim provides remote means of locking and unlocking of the lever. This trim is available with 12VDC or 24VDC solenoid. Rim and Mortise Exit Devices are available with cylinder override. Cylinder override can be added to the other series with the use of a 100 or 300 Series Auxiliary Control, except NB8700 devices.

### 73 & 74 Function ET Trim

- Available for all 80 Series Exit Devices
- Requires a McKinney QC8 Hinge for Solenoid ET Trims and/or 54- option
- Voltage: 12VDC or 24VDC Regulated (voltage must be specified)
- Current: .25A at 24VDC or .5A at 12VDC
- Operating Temp.: Max. 151°F (66°C)
- Min. -31°F (-35°C)
- Full wave rectification installed inside the ET Control
- UL and cUL listed for use on fire doors
- Field reversible
- Solenoid Trim is specified by the product function
- 73 Function - Fail Safe - Lever is unlocked when power is off - no cylinder override
- 74 Function - Fail Secure - Lever is locked when power is off - no cylinder override
- Cylinder override available with the use of 100 or 300 Series Auxiliary Control, except NB8700 devices

**Note:** Repeated operation at voltage exceeding +/- 10% is not recommended

### 54- Option - Lever Monitoring

- Available with all 80 Series exit devices x ET trim with these functions 06, 13, 15, 16, 73, 74, 75 & 76
- Requires a McKinney QC8 Hinge for 54- and/or Solenoid ET Trims
- Switch type SPDT form “C” contacts
- 30VDC @ 2 Amp. maximum rating
- Monitors lever rotation, can be incorporated into alarm systems or in conjunction with an electromagnet
- Must specify hand, non-reversible
- Not available with Freewheeling Trim

**12VDC & 24VDC Power Supplies:**

- UL Class 2 Listed
- Four 12V models and four 24V models available
- Integral battery charging capability keeps sealed lead acid gel/cell at full charge in case of line voltage failure (737-battery sold separately)
- Fused line voltage input with one, four, or eight DC outputs (depending on model)
- Each circuit can be individually turned on and off via a slide switch; the power status of each is shown by an LED
- In the event of a DC short the problem is confined to the zone of difficulty
- Fire alarm interface standard

### 75 & 76 Function ET Trim

- Available for Rim and Mortise Lock Exit Devices
- Requires a McKinney QC8 Hinge for Solenoid ET Trims and/or 54- option
- Voltage: 12VDC or 24VDC Regulated (voltage must be specified)
- Current: .25A at 24VDC or .5A at 12VDC.
- Operating Temp.: Max. 151°F (66°C), Min. -31°F (-35°C)
- Full wave rectification installed inside the ET Control
- UL and cUL listed for use on fire doors
- Field reversible
- Solenoid Trim is specified by the product function
- 75 Function - Fail Safe - Lever is unlocked when power is off with cylinder override
- 76 Function - Fail Secure - Lever is locked when power is off with cylinder override
- Key retracts latch mechanically

**Note:** Repeated operation at voltage exceeding +/- 10% is not recommended

### Securitron PowerJump™ ICPT

The Securitron PowerJump ICPT Inductive Coupling Power Transfer delivers power contactlessly and invisibly between the frame and door to power electrified hardware on the door. The Powerjump can be installed at the latch side or hinge side of the door and transfers up to 6 watts of power without pins or wires across the door gap, eliminating points of vulnerability and wear ... and no need to core drill the door. The Powerjump is field selectable for 12VDC or 24VDC systems and is ideal for fail secure applications. The unit can hold electrified latches open in continuous duty or can momentarily energize the lockset for latch retraction. Additional information regarding this –product can be found at www.securitron.com

---

**SARGENT MODEL No.** | **DESCRIPTION**
--- | ---
3521 | 12V - 1 AMP POWER SUPPLY
3541 | 12V - 3 AMP POWER SUPPLY
3551 | 12V - 4.5 AMP POWER SUPPLY
3571 | 12V - 6 AMP POWER SUPPLY
737 | 12V - 5 AMP HOUR BACKUP BATTERY

**SARGENT MODEL No.** | **DESCRIPTION**
--- | ---
3520 | 24V - 1 AMP POWER SUPPLY
3540 | 24V - 2 AMP POWER SUPPLY
3550 | 24V - 4 AMP POWER SUPPLY
3570 | 24V - 6 AMP POWER SUPPLY
738 | 24V - 5 AMP HOUR BACKUP BATTERY
**ET Lever Controls**

- **A Lever**
  - Handed

- **B Lever**

- **C Lever**

- **D Lever**

- **E Lever**

- **F Lever**

- **J Lever**

- **L Lever**

- **P Lever**

- **W Lever**

- **Pulls**

*Projection varies by lever design. 2-1/2*(63mm)* projection with L Lever

**Note:** ET suffixes required when ordering ET trim without an exit device, see page 74 for complete details.

*Lever returns within 1/2" (13mm) of door face*
Coastal Series Levers and Thumbpiece Pulls

80 Series

- Coastal Series™ levers can be used with all SARGENT 80 Series exit devices with ET trim
- All levers – solid cast brass
- All standard functions available
- Finishes available: 03, 04, 09, 10, 10B, 10BE, 10BL, 14, 15, 20D, 26, 26D, BSP

Y - Yarmouth™

G - Gulfport™

R - Rockport™

S - Sanibel™

- Specify hand when ordering

Pulls and Thumbpieces Trims

These trims are through-bolted, creating perfect alignment of center case, thumbpiece and cylinder, as required. Through-bolts pass through the chassis of the devices and are bolted directly to the trim. FSL, FSW, MSL and PSB pulls are used with 12-8804 and 8804 only, they are identical to FLL, FLW, MAL and PTB pulls except the cylinder hole is located 3/8” (9mm) lower. The 802-PTB plate is a flat plate which can be used to cover existing door preps and is as ANSI/BHMA function 01.
Studio Collection Levers
80 Series

Studio Collection trim is available in a broad array of designs and finishes. It allows for uniformity throughout a facility using the 8200, R8200 and 7900 Series Mortise Locks, Access Control Products, 80 Series Exit Devices, DL and RDL Series Tubular Locks.

All levers meet ADA compliance for national codes. Visit the online Decorative Hardware Product Selector at selector.sargentlock.com to mix and match styles and finishes.

Centro Series

- MD
- MJ
- MP²
- ND¹
- NJ¹

Rialto Series

(MZ Lever is Handed)

- MO²
- MZ¹,²

Notting Hill Series

(Handed Levers)

- MA²
- MQ²
- MT²
- MY¹,²

Aventura Series

- MB
- ME
- MF
- NF¹
- MG
- MI
- MW¹

¹ Lever returns within 1/2” (13mm) of door face
² Not available in 32D or 32 finish
Odéon Series
(Handed Levers)

| MN^4 | MH^4 | MS^4 | MU^4 | MV^4 | MX^1,4 | NS^1,4 | NU^1,4 |

Gramercy Series^2^3

| RCM | RAL | REM | RAM | RAS | RAG | RGM |

Wooster Square^3^4

| H001 | H002 | H003 | H004 | H005^1 | H006^3 |

Grant Park^3^4

| H007 | H008 | H009 | H010 | H011 |

¹ Lever returns within 1/2" (13mm) of door face
² Gramercy levers are customized. See page 67 for ordering information
³ H003-H006 - Contain white or black polycarbonate inserts. Not available with MicroShield® antimicrobial coating.
⁴ Not available in 32 or 32D finish
How to Order Gramercy Series Levers

80 Series

Gramercy Series Levers

REM, RGM
RCM
RAG, RAL, RAM**, RAS

Gramercy Finish Codes

<table>
<thead>
<tr>
<th>ANSI/BHMA Finish</th>
<th>SARGENT Finish</th>
<th>Gramercy Code*</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>630</td>
<td>32D</td>
<td>30</td>
<td>Satin Stainless Steel</td>
</tr>
<tr>
<td>629</td>
<td>32</td>
<td>29</td>
<td>Bright Stainless Steel</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>BH</td>
<td>Maple (wood insert)</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>BK</td>
<td>Black (Santoprene™ or leather insert)</td>
</tr>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>BN</td>
<td>Brown (leather insert)</td>
</tr>
</tbody>
</table>

*Code used to specify Gramercy Series finishes only. Use available finishes list to specify desired finish when ordering.

Gramercy Lever Descriptions & Available Finishes

<table>
<thead>
<tr>
<th>Lever Designation</th>
<th>Lever Description</th>
<th>Available Finishes (AS ORDERED)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAG</td>
<td>Grooved Insert</td>
<td>2929 or 3030</td>
</tr>
<tr>
<td>RAL</td>
<td>Leather Insert</td>
<td>29BK29, 29BN29 or 30BK30, 30BN30</td>
</tr>
<tr>
<td>RAM</td>
<td>Satin Metal Insert</td>
<td>2930** only (SEE NOTATION)</td>
</tr>
<tr>
<td>RAS</td>
<td>Santoprene Insert</td>
<td>29BK29 or 30BK30</td>
</tr>
<tr>
<td>RCM</td>
<td>Raised Band</td>
<td>2929, 3030 or 2930**</td>
</tr>
<tr>
<td>REM</td>
<td>Plain</td>
<td>2929 or 3030</td>
</tr>
<tr>
<td>RGM</td>
<td>Two Grooves</td>
<td>2929 or 3030</td>
</tr>
</tbody>
</table>

**Two-tone finish — grip of lever is 32D, balance of lever is 32. ET will be provided in 14 finish (bright nickel) to match. If 15 finish (brushed nickel) is desired please contact Customer Service for details.

To order Gramercy Series levers with SARGENT products, see the examples below. When specifying finish, use the last two digits of the BHMA standard finish code, i.e. use “29” for polished stainless, BHMA finish 629.

Sample order on how to specify an Exit Device with Gramercy levers

<table>
<thead>
<tr>
<th>Options</th>
<th>Series</th>
<th>Function</th>
<th>Rail Size</th>
<th>Voltage</th>
<th>Trim</th>
<th>Lever</th>
<th>Finish</th>
<th>Hand</th>
<th>Inside Finish</th>
<th>Door Width</th>
<th>Opening Height</th>
<th>AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select from 80 Series catalog</td>
<td>Specified for electrical functions</td>
<td>Select from 80 Series catalog</td>
<td>Leather insert</td>
<td>Bright stainless steel with brown leather</td>
<td>RHR, RH, LHR, or LH</td>
<td>Select from 80 Series catalog</td>
<td>For vertical rod devices</td>
<td>36’</td>
<td>84’</td>
<td>41’</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Anti-Vandal Trim

Designed for exterior doors that require extra security or resistance to vandalism, anti-vandal trim (AVT) plates have an extended lip on the active side of the door to provide extra protection for the latchbolt. A matte plastic coated grip provides a comfortable pull over wide temperature ranges. Fully through-bolted with no exposed exterior fasteners for a cleaner look and increased security.

988 Surface Bolt Kit

- Designed for severe windload (Hurricane Code) environments where surface bolts are required (e.g., on inactive doors)
- Tested to Dade County protocols
- Listed to UL 10C for use on fire rated door assemblies. Refer to codes for locations where surface bolts are allowed on fire doors
- All steel construction for maximum strength and heavy duty use
  - Full 3/4" (19mm) square, 12" (305mm) bolt with 1-1/4" (32mm) throw
  - Bright zinc-plated finish
  - Jimmy-resistant design locks bolt automatically when thrown; released by pressing knob toward door while retracting
  - Bolt can be locked in retracted or thrown position
- Angle (L shaped) and mortise strike with mounting hardware supplied standard
- Order as a: 988 Surface Bolt

988 Surface Bolt Kit

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  - Bright zinc-plated finish
  - Jimmy-resistant design locks bolt automatically when thrown; released by pressing knob toward door while retracting
  - Bolt can be locked in retracted or thrown position
- Angle (L shaped) and mortise strike with mounting hardware supplied standard
- Order as a: 988 Surface Bolt

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>826</td>
<td>Cylinder, but No Protective Lip</td>
<td>8804 Mfg after 02-2001</td>
</tr>
<tr>
<td>824</td>
<td>Protective Lip &amp; Cylinder</td>
<td>8904; also 8804 Mfg before 02-2001</td>
</tr>
<tr>
<td>821</td>
<td>No Protective Lip &amp; No Cylinder</td>
<td>MD &amp; WD8610, 8710 and 8810</td>
</tr>
<tr>
<td>827</td>
<td>Protective Lip &amp; No Cylinder</td>
<td>8910</td>
</tr>
</tbody>
</table>

827 for use on all inactive leafs

ET Cover Plate

This plate is designed to be mounted behind the ET control to cover a stock hollow metal cutout
- Order as a: 68-0657 x finish

809 Touchpad Kit

- Lexan touchpad replacement kit for all 80 Series push rails
- Direct replacement – uses existing mounting holes
- Order as a: 809 Touch Pad

8893 Dummy Rail

A decorative push bar for vestibule door applications where continuity of design is desired, but no exit device is required. Outside dummy trim available in a variety of finishes.
- Order as a: 8893 x finish; Specify door width and door stile width when ordering.

8895 Active Dummy Rail

Push rail operates on this rail to simulate active doors. Can be used with dummy trim.
- Order as a: 8885 x Finish; specify door width and door stile width when ordering.
- Available with Request-to-Exit (REX) signaling switch; specify 55-8895 x Finish
## Cylinder Information for Exit Devices

### Cylinder Chart: Exit Device Series x Function

<table>
<thead>
<tr>
<th>Door Thickness</th>
<th>ET Trim (700 Series Auxiliary Control)</th>
<th>PTB, PSB, STS, MAL, MSL, FLL, FSL, FLW, FSW</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1-3/4&quot; (44mm)</td>
<td>1-3/4&quot; (44mm)</td>
</tr>
<tr>
<td></td>
<td>2-1/4&quot; (57mm)</td>
<td>2-1/4&quot; (57mm)</td>
</tr>
<tr>
<td>Narrow Stile Mortise Exit Device</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8304</td>
<td>46</td>
<td>41</td>
</tr>
<tr>
<td>8313/8343</td>
<td>41</td>
<td>41</td>
</tr>
<tr>
<td>8344</td>
<td>46</td>
<td>48</td>
</tr>
<tr>
<td>8363</td>
<td>Not Available</td>
<td></td>
</tr>
<tr>
<td>8375/8376</td>
<td>46</td>
<td>48</td>
</tr>
</tbody>
</table>

| Narrow Stile CVR Exit Device |                                       |                                            |
| All 8400        | 41                                      | 41                                          |

| Narrow Stile Rim Exit Device |                                       |                                            |
| 8504           | 34                                      | 34                                          |
| 8513/8543      | 41                                      | 41                                          |

Concealed Vertical Rod Exit Devices

| All LP/LR/LS8600 | 41                                      | Not Available                              |
| All SP/PP/PR8600 | 41                                      | Not Available                              |
| All AD, MD & WD8600 | 41                                       | Not Available                              |

Surface Vertical Rod Exit Devices

| 8706/8713/8743/8746 | 41                                      | 41                                          |
| 8762/8763          | Not Available                           | 34                                          |

| All SP/PP/PR8700  | 41                                      | N/A                                         |
| 8804              | 34                                      | 34                                          |
| 8806/8813/8843/8846 | 41                                      | 41                                          |
| 8816              | 34/44                                   | 34/44                                       |
| 8844              | 34                                      | 34                                          |
| 8863              | Not Available                           | 34                                          |
| 8866              | Not Available                           | 34/44                                       |
| 8875/8876/8877    | 34                                      | 34                                          |

Rim Exit Devices

| 8904              | 46                                      | 48                                          |
| 8913/8943         | 41                                      | 41                                          |
| 8916              | *34/46                                  | *34/48                                      |
| 8944              | 46                                      | 48                                          |
| 8963              | Not Available                           | 41                                          |
| 8966              | Not Available                           | *41/34                                      |

Mortise Lock Exit Devices

| 8975/8976         | 46                                      | 48                                          |

* Inside Cylinders

Chart shows cylinder type and size for conventional SARGENT cylinders.

**Note:** Cylinder sizes & types are limited, as noted: SC- & SE- cylinders are available in size 41
60-, 63- & 64- cylinders are available in sizes 42, 43, 44 & 46
70-, 11-70-, 72-, 11-72-, 73- & 11-73 cylinders are available in sizes 43 & 46

**Note:** The 8888’s Lever & Rose Trim cylinder standard is the standard SARGENT 10 Line cylinder (13-3266)

**Note:** Cylinder is 1-1/8" in length; for each additional digit, the cylinder is a 1/8" longer. Example: 42 is 1-1/4"; 43 is 1-3/8" and 46 is 1-3/4"

**Note:** SARGENT supplies standard blocking rings. Specify if using competitor cylinders.

---

*Experience a safer and more open world*

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### Aluminum Mullions

<table>
<thead>
<tr>
<th>Product Designation</th>
<th>HC980</th>
<th>980S</th>
<th>L980</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Hurricane Code</td>
<td>Standard Mullion</td>
<td>Lockable</td>
</tr>
<tr>
<td>Material</td>
<td>Steel</td>
<td>Steel</td>
<td>Steel</td>
</tr>
<tr>
<td>Fire Rated</td>
<td>Specify 12-HC980</td>
<td>Specify 12-980</td>
<td>Specify 12-L980</td>
</tr>
<tr>
<td>Fire Rated Max Height</td>
<td>96'</td>
<td>96'</td>
<td>96'</td>
</tr>
<tr>
<td>Finish</td>
<td>Gray Paint</td>
<td>Gray Paint</td>
<td>Gray Paint</td>
</tr>
<tr>
<td>Stk Size</td>
<td>Not Required</td>
<td>Not Required</td>
<td>Not Required</td>
</tr>
<tr>
<td>Max Stk Height</td>
<td>120'</td>
<td>120'</td>
<td>120'</td>
</tr>
<tr>
<td>Cylinder Size</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Pre-prepped</td>
<td>658 Strikes Included</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Cylinder Size</td>
<td>Not Required</td>
<td>Not Required</td>
<td>Not Required</td>
</tr>
<tr>
<td>Misc. Information and Accessories</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shape</td>
<td>1-1/2&quot; x 2-1/2&quot;</td>
<td>T Shaped 2-1/2&quot; x 3&quot;</td>
<td>T Shaped 2-1/2&quot; x 3&quot;</td>
</tr>
</tbody>
</table>

### Electrified Mullions

<table>
<thead>
<tr>
<th>Product Designation</th>
<th>EL980</th>
<th>12-HD980</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Electrical Lockable</td>
<td>Heavy Duty</td>
</tr>
<tr>
<td>Material</td>
<td>Steel</td>
<td>Steel</td>
</tr>
<tr>
<td>Fire Rated</td>
<td>Specify 12-HCL980</td>
<td>Specify 12-HD980</td>
</tr>
<tr>
<td>Fire Rated Max Height</td>
<td>96'</td>
<td>96'</td>
</tr>
<tr>
<td>Finish</td>
<td>Gray Paint</td>
<td>Gray Paint</td>
</tr>
<tr>
<td>Stk Size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Max Stk Height</td>
<td>120'</td>
<td>120'</td>
</tr>
<tr>
<td>Cylinder Size</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Cylinder Size</td>
<td>Not Required</td>
<td>Not Required</td>
</tr>
<tr>
<td>Misc. Information</td>
<td>Designed for severe wind load conditions due to hurricanes or windstorms. Tested to Dade County Protocols &amp; ASTM Standards For 12-8800 - Channel Iron &amp; Malleable iron top &amp; bottom retainers. Fire rated for 8'0&quot; x 8'0&quot; paired openings See Notes Below</td>
<td>For 12-8800 - Channel Iron &amp; Malleable iron top &amp; bottom retainers. Fire rated for 8'0&quot; x 8'0&quot; paired openings See Notes Below</td>
</tr>
</tbody>
</table>

### Steel Mullions

<table>
<thead>
<tr>
<th>Product Designation</th>
<th>HC980</th>
<th>980S</th>
<th>L980</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Removable</td>
<td>Removable</td>
<td>Lockable</td>
</tr>
<tr>
<td>Material</td>
<td>Aluminum</td>
<td>Aluminum</td>
<td>Aluminum</td>
</tr>
<tr>
<td>Standard Finish</td>
<td>US28/Satin Anodized Aluminum</td>
<td>Prime Coat</td>
<td>Aluminum Prime Coat</td>
</tr>
<tr>
<td>Options</td>
<td>Specify &quot;650A x 10B&quot; for 313AN to match 10B</td>
<td>Specify &quot;980A&quot; for Anodized US28/ Satin Aluminum</td>
<td>Specify: &quot;L980A&quot; Anodized Aluminum Specify: &quot;1980A x10B&quot; for 313AN to match 10B</td>
</tr>
<tr>
<td>Stk Size</td>
<td>96'</td>
<td>96'</td>
<td>96'</td>
</tr>
<tr>
<td>Max Stk Height</td>
<td>120'</td>
<td>120'</td>
<td>120'</td>
</tr>
<tr>
<td>Cylinder Size</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Pre-prepped</td>
<td>658 Strikes Included</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Cylinder Size</td>
<td>Not Required</td>
<td>Not Required</td>
<td>Not Required</td>
</tr>
<tr>
<td>Misc. Information</td>
<td>Designed for severe wind load conditions due to hurricanes or windstorms. Tested to Dade County Protocols &amp; ASTM Standards For 12-8800 - Channel Iron &amp; Malleable iron top &amp; bottom retainers. Fire rated for 8'0&quot; x 8'0&quot; paired openings See Notes Below</td>
<td>For 12-8800 - Channel Iron &amp; Malleable iron top &amp; bottom retainers. Fire rated for 8'0&quot; x 8'0&quot; paired openings See Notes Below</td>
<td>For 12-8800 - Channel Iron &amp; Malleable iron top &amp; bottom retainers. Fire rated for 8'0&quot; x 8'0&quot; paired openings See Notes Below</td>
</tr>
</tbody>
</table>

### Notes

**Note:** Cylinder Kits must be ordered separately

**Note for HC980/12-HC980 Mullions:**
- Designed for severe wind load conditions due to hurricanes or tornadoes
- Tested to Dade County protocols and ANSI 250.13 ASTM Standards and FEMA 361
- 12- Fire labeled version
- Replacement lock kits are available for lockable mullions
- Part numbers for each model are listed in the price book

**HCL980 Mullion Information**
- Model 12-HC-L980 may be supplied for doors UL fire rated up to and including 3 hrs not exceeding 8 ft in width and height
- Meets the following standards: ANSI 250.13, ASTM E330, ASTM 1886, ASTM 1996, TAS 201, TAS 202 & TAS 203
- Designed for use with UL Classified HC8810, HC8800 and 12-HC8800 rim exit devices

**Experience a safer and more open world**
Mullion Accessories and Stabilizers
80 Series

Mullion Accessories
RK980
Latchbolt assembly retrofit kit with top and bottom retainers for 980 aluminum mullion

651 Mullion Stabilizer Kit
• Stabilizer block
• Furnished standard w/650A Mullion
• Order as a 651 Kit

980C1 Cylinder Mullion Kit
• Lockable mullions only
• Aluminum and steel
• Includes cylinder and collar
• Available in 26D & 10B finish

980C2 Cylinder Mullion Kit
• Lockable mullions
• Electrified only
• Includes cylinder and collar
• Available in 26D finish only

507 Narrow Transom Bars Adapter
• Available with 980 and 980A
• Required when soffit is 1-1/4" (32mm) to 2" (51mm) wide
• Order as a: 507 for 980 mullion or 507A for 980A mullion

650A Mullion

980S Mullion Application
• All steel mullions are 2’ x 3’

980 Mullion & L980 Lockable Mullion

Lockable Mullion Cylinder Kit Options*


Product
Exit Device with Trim
980 Mullion
12-980 Mullion
650A Mullion

Avg Wt
15 lbs
18 lbs
40 lbs
18 lbs

Case
1 ea
1 ea
1 ea
1 ea

Mullion Weights & Packaging

Lockable Mullion Cylinder Kit Options*


*Lockable mullions are shipped without cylinders. Order Cylinder Mullion Kit separately.
Through-bolt Kits, Rod Extensions and Shim Kits

80 Series

Through-bolt (TB) Applications

8700 - Two bolts at center case and hinge stile case, three at top and bottom cases and two at top and bottom guide cases

12-8700 - Two bolts at center case and hinge stile case, four at top and bottom cases and two at top and bottom guide case

Through-bolts Qty Part #

<table>
<thead>
<tr>
<th>Through-bolts</th>
<th>Qty</th>
<th>Part #</th>
</tr>
</thead>
<tbody>
<tr>
<td>8700 Rail &amp; Chassis</td>
<td>4</td>
<td>68-2279</td>
</tr>
<tr>
<td>8700 Cases &amp; Guides</td>
<td>10</td>
<td>68-2282</td>
</tr>
<tr>
<td>12-8700 Complete</td>
<td>16</td>
<td>68-2288</td>
</tr>
<tr>
<td>8800 Rail &amp; Chassis</td>
<td>4</td>
<td>68-2279</td>
</tr>
</tbody>
</table>

To order through-bolts with device:
Example: 8804 FL x TB

Note: Attaching Screws – All series are furnished standard with wood screws for wood and Kalamein doors and machine screws for metal doors. Through-bolts and mortise nuts must be specified to mount fire exit devices on composite fire doors with steel, wood or plastic covering.

Rod Extension Kits

- For surface mounted top rod extensions
- 570 Kit is for a Rod Connector & spiral pin
- 571 Kits includes top rod extension & 570 kit for device mfg prior to November 2002

- Specify Kits and finish:
  - 571-6 for 6” Rod Extension
  - 571-12 for 12” Rod Extension
  - 571-18 for 18” Rod Extension

- 687 Kits include Rod Extension for devices mfg after November 2002
- Specify Kits and finish:
  - 687-6 for 6” Rod Extension
  - 687-12 for 12” Rod Extension

Note: For extensions over 12” full rod lengths are available, see Rod Replacement Kits Below.

Glass Bead Shim Kits

- Kit 587 Two 1/8” thick shims for 8700 exit device
- Kit 537 Two 1/8” thick shims for 12-8700 Exit Device
- Kit 589 Two 1/8” shims for concealed vertical rod, rim and mortise lock exit devices

Note:
- Lift slide length must be increased for 8600 and 12-8600
- Lift lever length must be increased for 8900 and 12-8900
- Shim thickness must not exceed 1/4” (6mm) on 8900 and 12-8900
- Spindles and through-bolt lengths must be increased on 8700, 12-8700, 8800, 12-8800 exits
- Kits are available in EB, ED, and EN

Rod & Bolt Replacement Kits

<table>
<thead>
<tr>
<th>Product</th>
<th>Top Rod &amp; Bolt Kit</th>
<th>Bottom Rod &amp; Bolt Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>8700</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>MD &amp; AD8600</td>
<td>MD691T</td>
<td>691B</td>
</tr>
<tr>
<td>WD8600</td>
<td>WD691T</td>
<td>691B</td>
</tr>
<tr>
<td>WD8600 x Aux</td>
<td>WDA691T</td>
<td>691B</td>
</tr>
<tr>
<td>MD &amp; AD8400</td>
<td>MD691T</td>
<td>691B</td>
</tr>
<tr>
<td>PP/PR/SP8600</td>
<td>692P</td>
<td>N/A</td>
</tr>
<tr>
<td>LP/LR/LS8600</td>
<td>692L</td>
<td>N/A</td>
</tr>
</tbody>
</table>

565 Metal End Cap Kit

End cap with hardware finish includes mounting plate with wood and machine screws
Order as a 565 Kit x finish

Through-bolt Kits, Rod Extensions and Shim Kits

80 Series

Through-bolt (TB) Applications

8700 - Two bolts at center case and hinge stile case, three at top and bottom cases and two at top and bottom guide cases

12-8700 - Two bolts at center case and hinge stile case, four at top and bottom cases and two at top and bottom guide case

Through-bolts Qty Part #

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<thead>
<tr>
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<th>Qty</th>
<th>Part #</th>
</tr>
</thead>
<tbody>
<tr>
<td>8700 Rail &amp; Chassis</td>
<td>4</td>
<td>68-2279</td>
</tr>
<tr>
<td>8700 Cases &amp; Guides</td>
<td>10</td>
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</tr>
<tr>
<td>12-8700 Complete</td>
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</tr>
<tr>
<td>8800 Rail &amp; Chassis</td>
<td>4</td>
<td>68-2279</td>
</tr>
</tbody>
</table>

To order through-bolts with device:
Example: 8804 FL x TB

Note: Attaching Screws – All series are furnished standard with wood screws for wood and Kalamein doors and machine screws for metal doors. Through-bolts and mortise nuts must be specified to mount fire exit devices on composite fire doors with steel, wood or plastic covering.

Rod Extension Kits

- For surface mounted top rod extensions
- 570 Kit is for a Rod Connector & spiral pin
- 571 Kits includes top rod extension & 570 kit for device mfg prior to November 2002

- Specify Kits and finish:
  - 571-6 for 6” Rod Extension
  - 571-12 for 12” Rod Extension
  - 571-18 for 18” Rod Extension

- 687 Kits include Rod Extension for devices mfg after November 2002
- Specify Kits and finish:
  - 687-6 for 6” Rod Extension
  - 687-12 for 12” Rod Extension

Note: For extensions over 12” full rod lengths are available, see Rod Replacement Kits Below.

Glass Bead Shim Kits

- Kit 587 Two 1/8” thick shims for 8700 exit device
- Kit 537 Two 1/8” thick shims for 12-8700 Exit Device
- Kit 589 Two 1/8” shims for concealed vertical rod, rim and mortise lock exit devices

Note:
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- Kits are available in EB, ED, and EN

Rod & Bolt Replacement Kits

<table>
<thead>
<tr>
<th>Product</th>
<th>Top Rod &amp; Bolt Kit</th>
<th>Bottom Rod &amp; Bolt Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>8700</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>MD &amp; AD8600</td>
<td>MD691T</td>
<td>691B</td>
</tr>
<tr>
<td>WD8600</td>
<td>WD691T</td>
<td>691B</td>
</tr>
<tr>
<td>WD8600 x Aux</td>
<td>WDA691T</td>
<td>691B</td>
</tr>
<tr>
<td>MD &amp; AD8400</td>
<td>MD691T</td>
<td>691B</td>
</tr>
<tr>
<td>PP/PR/SP8600</td>
<td>692P</td>
<td>N/A</td>
</tr>
<tr>
<td>LP/LR/LS8600</td>
<td>692L</td>
<td>N/A</td>
</tr>
</tbody>
</table>

565 Metal End Cap Kit

End cap with hardware finish includes mounting plate with wood and machine screws
Order as a 565 Kit x finish
Door Coordinators, End Caps and Cylinder Dogging Kits
80 Series

Cylinder Dogging 16- Option

A 41 mortise cylinder (included), located in the rail insert, locks the rail in retracted position. Available for all 80 Series devices except Fire Rated, FM8700 & some electrical options.

Order as a 16- option with the device
Example: 16-8813F x ETJ x 03 Finish
Also available as a 816 Kit
Specify Kit based on Rail size
Example:
816-1 x finish for "E" wide
816-2 x finish for "E" & "F" narrow
816-3 x finish for "G" wide
816-4 x finish for "G" narrow
816-5 x finish for "E" wide
816-6 x finish for "J" narrow
816-7 x finish for "J" wide
Cylinder included

Note: Cylinder dogging requires a 27" minimum door width

665 Flush End Cap Kit and 553 Shim Kit

- 665 Kit is Flush End Cap for 80 Series exit device
- 665 Kit available for retrofit/replacement
- To order specify 665 Kit x Finish or with the Device as a 43- option
- 553 Kit is an 1/8" Shim for Flush End Caps
- 553 Shim Kit is only available in ED, EN & EB*
- To order specify 553 Kit x Finish

*Note: EB (BHMA 690) Powder coated to match 10B
EN (BHMA 689) Powder coated to match 26D

Cylinder Nut Wrench

This wrench simplifies the installation and removal of mortise cylinders nuts used on 700 Series Auxiliary Control (80 Series ET Trim).

- Part number 97-0568

665 Flush End Cap Kit and 553 Shim Kit

- 665 Kit is Flush End Cap for 80 Series exit device
- 665 Kit available for retrofit/replacement
- To order specify 665 Kit x Finish or with the Device as a 43- option
- 553 Kit is an 1/8" Shim for Flush End Caps
- 553 Shim Kit is only available in ED, EN & EB*
- To order specify 553 Kit x Finish

*Note: EB (BHMA 690) Powder coated to match 10B
EN (BHMA 689) Powder coated to match 26D
### Rail Sizes

SARGENT offers four sizes of rails to accommodate 32", 36", 42" and 48" doors. These rails can be cut for smaller doors as specified in the chart below.

SARGENT will cut all rails to size if door width is specified when the hardware is ordered.

<table>
<thead>
<tr>
<th>Stock Size</th>
<th>Door Widths</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>24&quot; to 32&quot;</td>
<td>No cutting required for 32&quot; (81cm) door</td>
</tr>
<tr>
<td>F</td>
<td>33&quot; to 36&quot;</td>
<td>No cutting required for 36&quot; (91cm) door</td>
</tr>
<tr>
<td>J</td>
<td>37&quot; to 42&quot;</td>
<td>No cutting required for 42&quot; (107cm) door</td>
</tr>
<tr>
<td>G</td>
<td>43&quot; to 48&quot;</td>
<td>No cutting required for 48&quot; (122cm) door</td>
</tr>
</tbody>
</table>

### Rail Sizes

<table>
<thead>
<tr>
<th>LP, LR &amp; LS8600 Rail Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>L Rail</td>
</tr>
<tr>
<td>M Rail</td>
</tr>
<tr>
<td>N Rail</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stock Size</th>
<th>Door Widths</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>L Rail</td>
<td>36&quot; (91cm)</td>
<td>No cutting required</td>
</tr>
<tr>
<td>M Rail</td>
<td>42&quot; to 44&quot;</td>
<td>No cutting required</td>
</tr>
<tr>
<td>N Rail</td>
<td>46&quot; to 48&quot;</td>
<td>No cutting required</td>
</tr>
</tbody>
</table>

### Cover Dimensions and Touchbar Projections

- **Narrow**
  - Neutral: 3" (77mm)
  - Depressed: 2-1/8" (54mm)
- **Wide**
  - Neutral: 8-3/8" (213mm)
  - Depressed: 2-5/8" (67mm)

### How to specify and order ET Trim without an Exit Device

**Example for 775-8 ETL 26D RHR 12VDC**

<table>
<thead>
<tr>
<th>7</th>
<th>75</th>
<th>-8</th>
<th>ETL</th>
<th>26D</th>
<th>RHR</th>
<th>12VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>75</td>
<td>-8</td>
<td>ETL</td>
<td>26D</td>
<td>RHR</td>
<td>12VDC</td>
</tr>
</tbody>
</table>

- **No Suffix**
  - Square Spindle or No Spindle for inactive functions
- **-8 Suffix**
  - Cross Type Spindle

- **-4 Suffix**
  - Offset Mtg Tabs Top & Bottom
- **-6 Suffix**
  - Offset Mtg Tab Top Only

Note: LFIC (Removable) and SFIC (70-) option cylinders require 97-0351 cylinder rings for 700 Series ET Controls and 94-0153 rings for 100 & 300 Series Aux controls.

### 730 Spindle Retrofit Kits

- Kits include Spindle, Retainer Plates, Mounting Screws & Return Springs
- Kits are used to replace existing spindles for 06, 13, 15, 16, 73, 74, 75 & 76 function ET Trims

- 730-1: 700 Series Spindle 1-3/4" Door
- 730-2: 700 Series Spindle 2" Door
- 730-3: 700 Series Spindle 2-1/4" Door
- 730-4: 700-4 Series Spindle 1-3/4" Door
- 730-5: 700-4 Series Spindle 2" Door
- 730-6: 700-4 Series Spindle 2-1/4" Door
- 730-7: 700-8 Series Spindle 1-3/4" Door
- 730-8: 700-8 Series Spindle 2" Door
- 730-9: 700-8 Series Spindle 2-1/4" Door
# Mechanical Options and Descriptions

## 80 Series

### Mechanical Options:

<table>
<thead>
<tr>
<th>Categories</th>
<th>How to Specify</th>
<th>Detailed Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Rated</td>
<td>12-</td>
<td>UL Fire Label Exit hardware (not available with 16- &amp; HK-)</td>
</tr>
<tr>
<td>SVR Bolt</td>
<td>14-</td>
<td>Sliding bolt bottom case for 8700</td>
</tr>
<tr>
<td>Cylinder Dogging</td>
<td>16-</td>
<td>Cylinder lockdown with # 41 Cylinder &amp; # 97 Ring (not available with 12-, 57, 59- or AL- Option)</td>
</tr>
<tr>
<td>LD-</td>
<td></td>
<td>Less dogging for non fire rated devices</td>
</tr>
<tr>
<td>Less Touch Pad</td>
<td>19-</td>
<td>Pushbar without Lexan touchpad (not available TL-)</td>
</tr>
<tr>
<td>8900/8300 Strike</td>
<td>23-</td>
<td>4-7/8&quot; (124mm) ANSI flat lip strike (for 8900 &amp; 8300 Series Mortise Lock Exit Devices)</td>
</tr>
<tr>
<td>Thick Doors</td>
<td>31-</td>
<td>Doors over 1-3/4&quot; and/or Panels (Specify door thickness, panel thickness &amp; location as required) Not available for HC8700, FM8700, PP, PR &amp; SP8700, PP, PR &amp; SP8600, LP, LR &amp; LP8700 Extended lip strike supplied for 8300 &amp; 8900 Series</td>
</tr>
<tr>
<td>Security Fasteners</td>
<td>36-</td>
<td>Six lobe security head screws</td>
</tr>
<tr>
<td></td>
<td>37-</td>
<td>Spanner head screws</td>
</tr>
<tr>
<td>Flush End cap</td>
<td>43-</td>
<td>Flush End Cap (Not available with LP, LR &amp; LS Devices)</td>
</tr>
<tr>
<td>Indicator</td>
<td>49-</td>
<td>Indicator (Available on 8816 and 8866 functions only)</td>
</tr>
<tr>
<td>Latchbolt monitoring switch (not available with 59-, GL-, HC-, WS- or on FM8700, PP/PR/SP8600 &amp; LP/LR/LS8600 Exit Devices)</td>
<td>53-</td>
<td></td>
</tr>
<tr>
<td>Monitors ET Lever movement with Internal micro switch in ET Control</td>
<td>54-</td>
<td></td>
</tr>
<tr>
<td>Request to Exit - Signal Switch in Rail (not available with 59- &amp; FM8700)</td>
<td>55-</td>
<td></td>
</tr>
<tr>
<td>Remote Latch Retraction (not available 57-, 58-, 59-, AL- or BT- Option)</td>
<td>56-</td>
<td></td>
</tr>
<tr>
<td>Remote Latch Retraction with manual Hex Key dogging (not available 12-, 57-, 58-, 59-, AL- or BT- Option)</td>
<td>56-HK-</td>
<td></td>
</tr>
<tr>
<td>Delayed Egress (Electromagnetic Lock required &amp; purchased separately) (not available 16-, 53-, 56, 56-HK, 58-, 59-, AL, 59 or BT, GL, TL Prefix) (NB, 54- are available on request)</td>
<td>57-</td>
<td></td>
</tr>
<tr>
<td>Electric Rail Dogging (Not available 56- &amp; 59-)</td>
<td>58-</td>
<td></td>
</tr>
<tr>
<td>Electroguard® Self Contained Delayed Egress Device (not available with 16-, 53-, 55-, 56-, 57-, 58-, 59-, AL-, BT-, HC- &amp; WS Option Prefixes, PP/PR/SP8600, LP/LR/LS8600 Exit Devices) (NB, 54- are available upon request)</td>
<td>59-</td>
<td></td>
</tr>
<tr>
<td>Alarmed Exit (Not available 16-, 56-, 57-, 59-, BT-, GL-, HC- &amp; WS-)</td>
<td>AL-</td>
<td></td>
</tr>
<tr>
<td>Electroguard® Boca Code (Door Status Switch required) (not available with 16-, 55-, 56-, 58-, 59-, AL-, BT-, GL-, HC- &amp; WS- Options and on NB8700, PP/PR/SP8600 &amp; LP/LR/LS8600 Exit Devices)</td>
<td>BC-59-</td>
<td></td>
</tr>
<tr>
<td>SARGuide Electro-Luminescent Touchpad (not available 19-, 85-, 87- &amp; PL-)</td>
<td>TL-</td>
<td></td>
</tr>
<tr>
<td>Tactile Warning - Milled Outside Lever (not available with Studio &amp; Coastal Levers and the A Lever)</td>
<td>76-</td>
<td></td>
</tr>
<tr>
<td>Tactile Warning - Abrasive strip on Push Rail (Not available with PL- &amp; TL-)</td>
<td>85-</td>
<td></td>
</tr>
<tr>
<td>Tactile Warning - Abrasive coating on Outside Lever</td>
<td>86-</td>
<td></td>
</tr>
<tr>
<td>Tactile Warning - Abrasive strip on Push Rail &amp; Abrasive coating on Outside Lever (not available with PL- &amp; TL-)</td>
<td>87-</td>
<td></td>
</tr>
<tr>
<td>Clear Powder Coat (Available for 32 &amp; 32D Finishes)</td>
<td>CPC-</td>
<td></td>
</tr>
<tr>
<td>MicroShield® antimalibial clear powder coat (only available with 15, 26D and 32D finishes)</td>
<td>SG-</td>
<td></td>
</tr>
<tr>
<td>Less Bottom Rod &amp; Bolt (for SVR &amp; CVR Devices)</td>
<td>NB-</td>
<td></td>
</tr>
<tr>
<td>Guarded Latch for Rim Exit Devices (not available 53-, 56-, 59-, AL-, HC- &amp; WS-)</td>
<td>GL-</td>
<td></td>
</tr>
<tr>
<td>SARGuide™ PL – Photoluminescent Coated Push Rail – (Touchpad eliminated) (not available 85, 87 &amp; TL-)</td>
<td>PL-</td>
<td></td>
</tr>
<tr>
<td>Through Bolts for 8300, 8500, 8600, 8700, 8800 &amp; 8900 Devices</td>
<td>TB-</td>
<td></td>
</tr>
<tr>
<td>Sib. Pressure Release (8800, 8500, 8600 and 8400 devices only. Not available with 14-, 23-, 31-, 36-, 37-, 43-, 49-, 54-, 56-HK, 58-, 59-, AL, BC-59, TL, 76-, 87-, CPC-, SG-, NB-, GL-, or TB-)</td>
<td>SCH-</td>
<td></td>
</tr>
</tbody>
</table>
## Cylinder Options and Descriptions

### 80 Series

### Cylinder Options:

<table>
<thead>
<tr>
<th>Conventional Cylinder</th>
<th>-</th>
<th>SARGENT Conventional Cylinders Supplied Standard (Unless Otherwise Specified)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DG1-</td>
<td>DG1-</td>
<td>SARGENT Degree Key System Level 1 (bump resistant with patented keys)</td>
</tr>
<tr>
<td>DG1-21-</td>
<td>DG1-21-</td>
<td>Degree Level 1 Construction Master Keying</td>
</tr>
<tr>
<td>DG1-60-</td>
<td>DG1-60-</td>
<td>Degree Level 1 Removable Disposable Construction Core</td>
</tr>
<tr>
<td>DG1-63-</td>
<td>DG1-63-</td>
<td>Degree Level 1 Removable Core</td>
</tr>
<tr>
<td>DG1-64-</td>
<td>DG1-64-</td>
<td>Degree Level 1 Removable Construction Keyed LFIC</td>
</tr>
<tr>
<td>DG1-65-</td>
<td>DG1-65-</td>
<td>Degree Level 1 Unassembled/Uncombined Core</td>
</tr>
<tr>
<td>DG2-</td>
<td>DG2-</td>
<td>SARGENT Degree Key System Level 2 (geographically exclusive; bump and pick resistant)</td>
</tr>
<tr>
<td>DG2-21-</td>
<td>DG2-21-</td>
<td>Degree Level 2 Construction Master Keying</td>
</tr>
<tr>
<td>DG2-60-</td>
<td>DG2-60-</td>
<td>Degree Level 2 Removable Disposable Construction Core</td>
</tr>
<tr>
<td>DG2-63-</td>
<td>DG2-63-</td>
<td>Degree Level 2 Removable Core</td>
</tr>
<tr>
<td>DG2-64-</td>
<td>DG2-64-</td>
<td>Degree Level 2 Removable Construction Keyed LFIC</td>
</tr>
<tr>
<td>DG2-65-</td>
<td>DG2-65-</td>
<td>Degree Level 2 Unassembled/Uncombined Core</td>
</tr>
<tr>
<td>DG3-</td>
<td>DG3-</td>
<td>SARGENT Degree Key System Level 3 (geographically exclusive; UL437 certified; bump and pick resistant)</td>
</tr>
<tr>
<td>DG3-21-</td>
<td>DG3-21-</td>
<td>Degree Level 3 Construction Master Keying</td>
</tr>
<tr>
<td>DG3-60-</td>
<td>DG3-60-</td>
<td>Degree Level 3 Removable Disposable Construction Core</td>
</tr>
<tr>
<td>DG3-63-</td>
<td>DG3-63-</td>
<td>Degree Level 3 Removable Core</td>
</tr>
<tr>
<td>DG3-64-</td>
<td>DG3-64-</td>
<td>Degree Level 3 Removable Construction Keyed LFIC</td>
</tr>
<tr>
<td>DG3-65-</td>
<td>DG3-65-</td>
<td>Degree Level 3 Unassembled/Uncombined Core</td>
</tr>
<tr>
<td>Signature Key System</td>
<td>10-</td>
<td>SARGENT Signature Key System (Not Available with other Key Systems)</td>
</tr>
<tr>
<td>Signature Key System</td>
<td>10-</td>
<td>SARGENT Signature Key System (Lost Ball)</td>
</tr>
<tr>
<td>Signature Key System</td>
<td>10-63-</td>
<td>SARGENT Signature Large Format Interchangeable Core Cylinder (Removable)</td>
</tr>
<tr>
<td>XC- Key System</td>
<td>11-</td>
<td>XC Key System (Not available with other Key systems unless specified)</td>
</tr>
<tr>
<td>XC- Key System</td>
<td>11-21-</td>
<td>XC- Construction Key System (Lost Ball)</td>
</tr>
<tr>
<td>XC- Large Format Interchangeable Core (Removable Core)</td>
<td>11-60-</td>
<td>Device to accept XC- Permanent Large Format Interchangeable Core, Disposable plastic Core- provided</td>
</tr>
<tr>
<td>XC- Large Format Interchangeable Core (Removable Core)</td>
<td>11-63-</td>
<td>Device to accept XC- Large Format Interchangeable Core Cylinder - (Includes masterkeying, grand masterkeying)</td>
</tr>
<tr>
<td>XC- Large Format Interchangeable Core (Removable Core)</td>
<td>11-64-</td>
<td>Device provided with Keyed construction core to accept XC- Permanent Large Format Interchangeable Core (ordered separately)</td>
</tr>
<tr>
<td>XC- Small Format Interchangeable Core</td>
<td>11-70-7P-</td>
<td>Device to accept XC- SFC (7-Pin) XC- Permanent Cores, plastic disposable core provided</td>
</tr>
<tr>
<td>XC- Small Format Interchangeable Core</td>
<td>11-71-7P-</td>
<td>Device to accept XC- SFC (7-Pin Keyed Construction Core provided) cylinder Permanent core ordered separately</td>
</tr>
<tr>
<td>XC- Small Format Interchangeable Core</td>
<td>11-72-7P-</td>
<td>Device to accept XC- Small Format 7-Pin interchangeable core (Includes masterkeying, grand masterkeying)</td>
</tr>
<tr>
<td>XC- Small Format Interchangeable Core</td>
<td>11-73-7P-</td>
<td>Device to accept XC- Small Format 7-Pin Interchangeable Core (Ordered separately)</td>
</tr>
<tr>
<td>Construction Key Systems</td>
<td>21-</td>
<td>SARGENT Lost Ball Construction Keying for Conventional, XC and Signature Series (N/A with 63- or 73-)</td>
</tr>
<tr>
<td>Construction Key Systems</td>
<td>22-</td>
<td>SARGENT Construction Split Key System for Conventional Cylinders (Existing Systems Only). (N/A with 10-, 11-, 63- or 73-)</td>
</tr>
<tr>
<td>Old Style Removable Core</td>
<td>51-</td>
<td>Removable Core Cylinder (Old Style) provided (existing systems only)</td>
</tr>
<tr>
<td>Old Style Removable Core</td>
<td>52-</td>
<td>Removable Construction Core (Old Style) Permanent core ordered separately (existing systems only)</td>
</tr>
<tr>
<td>Large Format Interchangeable Core (Removable Core)</td>
<td>60-</td>
<td>Device to accept SARGENT Permanent Large Format Interchangeable Core, Disposable plastic Core provided (Permanent Cores ordered separately)</td>
</tr>
<tr>
<td>Large Format Interchangeable Core (Removable Core)</td>
<td>63-</td>
<td>Device provided with Large Format Interchangeable Core Cylinder - (Includes masterkeying, grand masterkeying)</td>
</tr>
<tr>
<td>Large Format Interchangeable Core (Removable Core)</td>
<td>64-</td>
<td>Device provided with Keyed construction core to accept Permanent Large Format Interchangeable Core (ordered separately)</td>
</tr>
<tr>
<td>Small Format Interchangeable Core</td>
<td>70-</td>
<td>Device to accept 6- or 7-Pin SFIC Permanent Cores, plastic disposable core provided</td>
</tr>
<tr>
<td>Small Format Interchangeable Core</td>
<td>72-</td>
<td>Device to accept 6- or 7-Pin SFIC (6-Pin Keyed Construction Core provided) Cylinder (Permanent Core ordered separately)</td>
</tr>
<tr>
<td>Small Format Interchangeable Core</td>
<td>73-</td>
<td>Device provided with 6-Pin SFIC (Includes masterkeying, grand masterkeying)</td>
</tr>
<tr>
<td>Small Format Interchangeable Core</td>
<td>65-73-</td>
<td>Device provided to accept Uncombined 6-Pin SFIC (Permanent Core) Core - (Packed Loose for field keying)</td>
</tr>
<tr>
<td>Small Format Interchangeable Core</td>
<td>65-73-7P-</td>
<td>Device provided to accept Uncombined 7-Pin SFIC (Permanent Core) Core - (Packed Loose for field keying)</td>
</tr>
<tr>
<td>Small Format Interchangeable Core</td>
<td>73-7P-</td>
<td>Device to accept Small Format 7-Pin Interchangeable Core (Includes masterkeying, grand masterkeying)</td>
</tr>
<tr>
<td>Keso &amp; Keso F1</td>
<td>81-</td>
<td>Device provided with housings to accept Keso (83) &amp; Keso F1 (F1-83-) removable cores. (Permanent Cores ordered separately)</td>
</tr>
<tr>
<td>Keso &amp; Keso F1</td>
<td>82-</td>
<td>Device provided with SARGENT Keso Security Cylinder</td>
</tr>
<tr>
<td>Keso &amp; Keso F1</td>
<td>81-82-</td>
<td>Device provided with SARGENT Keso F1 Security Cylinder (Patented)</td>
</tr>
<tr>
<td>Keso &amp; Keso F1</td>
<td>83-</td>
<td>Device provided with SARGENT Keso Security Removable Core cylinder</td>
</tr>
<tr>
<td>Keso &amp; Keso F1</td>
<td>81-83-</td>
<td>Device provided with SARGENT Keso F1 Security Removable Core cylinder (Patented)</td>
</tr>
<tr>
<td>Added Security</td>
<td>84-</td>
<td>Device provided with SARGENT Keso Construction Cores (Permanent Cores ordered separately)</td>
</tr>
<tr>
<td>Bump Resistant Cylinder</td>
<td>84-</td>
<td>Bump Resistant Cylinder (Available with Conventional &amp; Conventional XC Cylinders Only)</td>
</tr>
<tr>
<td>Keyway Cylinders</td>
<td>10-</td>
<td>SARGENT supplies standard blocking rings for 1-1/8&quot; Cylinders (For longer cylinders order collars/rings separately)</td>
</tr>
<tr>
<td>Schlage Keyways</td>
<td>11-</td>
<td>SARGENT reduces standard blocking rings for 1-1/8&quot; Cylinders (For longer cylinders order collars/rings separately)</td>
</tr>
<tr>
<td>Schlage Keyways</td>
<td>11-</td>
<td>SARGENT reduces standard blocking rings for 1-1/8&quot; Cylinders (For longer cylinders order collars/rings separately)</td>
</tr>
<tr>
<td>Schlage Keyways</td>
<td>11-</td>
<td>SARGENT reduces standard blocking rings for 1-1/8&quot; Cylinders (For longer cylinders order collars/rings separately)</td>
</tr>
<tr>
<td>Schlage Keyways</td>
<td>11-</td>
<td>SARGENT reduces standard blocking rings for 1-1/8&quot; Cylinders (For longer cylinders order collars/rings separately)</td>
</tr>
<tr>
<td>Lever to Accept Schlage</td>
<td>11-</td>
<td>SARGENT reduces standard blocking rings for 1-1/8&quot; Cylinders (For longer cylinders order collars/rings separately)</td>
</tr>
</tbody>
</table>

Note: For V-10 Cylinders and information, contact ASSA
### How to Order Exit Devices

**Example Order:**

<table>
<thead>
<tr>
<th>Options</th>
<th>Device Type</th>
<th>Function</th>
<th>Rail Size</th>
<th>Trim</th>
<th>Voltage</th>
<th>Hand</th>
<th>Outside Finish</th>
<th>Inside Finish</th>
<th>Door Width</th>
<th>Opening Height</th>
<th>AFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-89 F</td>
<td>04 - Night Latch</td>
<td>E 24&quot;-32&quot;</td>
<td>For ET trim specify ET followed by Lever design, see pages 60-62</td>
<td>12VDC</td>
<td>RHR</td>
<td>Available Finishes page 76</td>
<td>Available Finishes page 76</td>
<td>If door width is supplied rails will be cut to size</td>
<td>Required for Vertical Rod Exit Devices</td>
<td>Center Line of Rail Above Finish Floor 41&quot; Standard</td>
<td></td>
</tr>
<tr>
<td>Available Options</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Legend**

- **AD**: Aluminum Door
- **AFF**: Above Finish Floor
- **CTL**: Center & Top Latching Exit
- **CVR**: Concealed Vertical Rod
- **ET**: SARGENT External Lever Trim
- **FM**: FEMA
- **FW**: Freewheeling Trim
- **HC**: Hurricane Code
- **MD**: Metal Door
- **NB**: No Bottom Rod
- **SRV**: Surface Vertical Rod
- **TP**: Thumbpiece Trim
- **WD**: Wood Door
- **WS**: Windstorm

### Mounting Heights

- **41" (1041mm)** from finished floor for standard application
- **38" (965mm)** from finished floor for elementary schools and to meet local accessibility standards when a 100 or 300 Series Auxiliary Control is used (38" AFF must be specified)

### Hand

- **Inside**
  - Left Hand Reverse “LHR”
- **Outside**
  - Right Hand Reverse “RHR”
# Finishes and Finish Care

## 80 Series

<table>
<thead>
<tr>
<th>SARGENT#</th>
<th>BHMA#</th>
<th>Description</th>
<th>How to clean</th>
<th>Avoid these cleaners</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>605</td>
<td>Polished brass, clear coated</td>
<td>Mild non-abrasive detergent with damp cloth or sponge</td>
<td>Abrasive cleaners, bleach solvents, steel or bronze wool</td>
</tr>
<tr>
<td>4</td>
<td>606</td>
<td>Satin brass, clear coated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>611</td>
<td>Polished bronze, clear coated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>612</td>
<td>Satin bronze, clear coated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8SP</td>
<td>—</td>
<td>Black Suede Powder Coat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10B</td>
<td>613</td>
<td>Oxidized bronze, oil rubbed</td>
<td>Lemon oil polished with dry cloth</td>
<td>Abrasive cleaners, bleach solvents, steel or bronze wool</td>
</tr>
<tr>
<td>10BE</td>
<td>613E</td>
<td>Dark oxidized satin bronze, equivalent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10BL</td>
<td>613L</td>
<td>Oxidized satin, bronze, clear coated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14*</td>
<td>618*</td>
<td>Polished nickel, clear coated</td>
<td>Mild non-abrasive detergent with damp cloth or sponge</td>
<td>Abrasive cleaners, bleach solvents, steel or bronze wool</td>
</tr>
<tr>
<td>15*</td>
<td>619*</td>
<td>Satin nickel, clear coated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20D</td>
<td>624</td>
<td>Statuary dark bronze, clear coated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26*</td>
<td>625*</td>
<td>Polished chrome</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26D*</td>
<td>626*</td>
<td>Satin chrome</td>
<td></td>
<td></td>
</tr>
<tr>
<td>32*</td>
<td>629*</td>
<td>Polished stainless steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>32D*</td>
<td>630*</td>
<td>Satin stainless steel</td>
<td>Plastic pad or bronze wool</td>
<td>Cleaners, solvents, bleach, steel wool</td>
</tr>
</tbody>
</table>

* Exit devices are available in all standard finishes, except 14, 15, 26 & 26D. With these finishes, exit devices are supplied in 32 or 32D to match accordingly. 32 or 32D is automatically supplied when 26 or 26D is specified. For nickel finishes, specify 14/32 or 15/32D to receive nickel finished trims and stainless exit devices.

**Note:** FLW & FSW are NOT available in 32 or 32D

**Note:** Pulls and thumb piece trims are not available in 14, 15, 26 or 26D except FLW & FSW which are available in 14 and 15.

## To avoid discoloration and pitting:
- Keep stainless steel away from contact with other metals
- Avoid cleaning with mineral acids or chlorine products
- Avoid cleaning with abrasive products like sandpaper or steel wool

## To maintain the finish:
- Remove any contamination before damage occurs
- Protect with a metal polish or car wax
2.01 EXIT DEVICES

A. Exit devices shall be 80 Series push rail devices as manufactured by SARGENT Manufacturing Company, New Haven, CT.
B. Exit devices shall be certified to meet or exceed the requirements of ANSI/BHMA A156.3 Grade 1.
C. Exit devices shall be listed by Underwriters Laboratories for panic and bear the UL label for life safety in full compliance with NFPA 80 and NFPA 101. Exit devices for fire labeled doors shall be UL listed as “Fire Exit Hardware”.
D. Provide standard hex key dogging on non fire-rated exit devices, with cylinder dogging (i.e., SARGENT 16- option) as an option.
E. Exit devices shall comply with UL 10C positive pressure requirements.
F. Construction:
   1. Chassis shall be of heavy duty cast design with one piece drawn nonferrous removable covers matching the material of the push and mounting rails.
   2. Stamped steel chassis are not acceptable.
   3. Mounting rails shall be formed from a solid single piece of stainless steel, brass or bronze no less than 0.072 inches thick.
   4. Push rails shall be constructed of 0.062 inch thick material in the same manner as the mounting rail. Painted or anodized aluminum shall not be considered heavy duty and are not acceptable.
   5. Provide protective Lexan touchpad on the exit device push rail to prevent scratches and serve as a visible guide to the user.
   6. Metal end caps shall be formed from the same base metal as the push and mounting rails.
G. Exit devices shall have a maximum of 3 inches projection from the face of the door in the non-dogged position. When in the dogged position, the device shall have no more than a 2-1/8 inch projection from the door face.
H. The design of the exit device shall eliminate the necessity of removing the device from the door for standard maintenance or keying changes.
I. The device chassis shall be mounted and operable without the need of the rail or the chassis cover.
J. Trim shall be through-bolted.
K. Devices shall be available with matching trim for both wide and narrow stile doors, including electrified functions when required.
L. Exit device operating lever trim shall withstand 1000 inch pounds of torque without allowing access.
M. Lever trim shall be available in architectural finishes and designs to match that of the locksets specified.
N. Provide electrified exit devices with ElectroLynx® standardized plug connectors to accommodate up to twelve wires.
O. Plug connectors shall plug directly into ElectroLynx® through-door wiring harnesses for connection to electric transfer hinge and power supplies.
P. Provide sufficient number of concealed wires to accommodate electric function of specified hardware.
Q. Exit devices shall have a five year limited warranty.

These guidelines should be referenced regularly and as required for proper appearance and longevity of finish.
The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, frames, door and window hardware, locks, perimeter fencing, access control and service.