

# **LockNet Submittal Package**

## **Panda Express** **Proto 2018**

### **Coordinator**

Jerry Jacobs  
800 John C Watts Dr  
Nicholasville, KY 40356  
Tel: 859-887-9119 x 220  
Fax: 877-887-4958  
E-Mail: panda@locknet.com

### **Designer**

Panda Restaurant Group Inc.  
1683 Walnut Grove Ave  
Rosemead, CA 91770  
Tel: 626-799-9898  
Fax: 626-372-8288

Consultant: **Rob Owen**

Plans Dated: **11/21/16**  
Submittal Date: **06/13/18**

## **Manufacturers & Finishes**

### **Manufacturers**

Curries  
Detex Corporation  
Don-Jo Mfg., Inc.  
LockNet  
McKinney  
NGP  
Pemko  
Rixson Specialty Door Control  
Rockwood Manufacturing  
VT Industries  
Yale

### **Finishes**

*10B* - Dark oxidized satin bronze, oil rubbed  
*26D* - Satin chromium plated over nickel  
*Black* - Black painted  
*US20* - Light oxidized statuary bronze, clear coated  
*US26D* - Satin chromium plated over nickel  
*US28* - Satin aluminum, clear anodized  
*US32D* - Satin stainless steel



Panda Express  
Proto 2018

Submittal Date: 06/13/18

## Index of Abbreviations

### Anchor Type

*MP* - Multipurpose Anchor

### Door Core

*POLYS* - Polystyrene

### Door Edge

*A* - 1/8" in 2" Lock edge - Square Hinge edge

### Door Finish

*PRIME-GRAY* - Gray Primer

### Door Mat'l

*A60* - A-60 Galvanneal Steel

### Door Seam

*S* - Exposed Seam

### Door Series

*707S* - Commercial Grade

### Door Type

*F* - Flush

### Frame Construction

*SW* - Weld Seam

### Frame Mat'l

*A60* - A-60 Galvanneal Steel  
*CRS* - Cold Rolled Steel

### Frame Profile

*C* - Double Bend  
*M* - Single Bend

### Frame Series

*CM* - Drywall/Masonry frames  
*M* - Masonry Flush frames

### Hand

*LH* - Left Hand  
*LHR* - Left Hand Reverse  
*RHR* - Right Hand Reverse  
*RHRA* - Right Hand Reverse Active



Panda Express  
Proto 2018

Submittal Date: 06/13/18

1 Single door, Exterior From Vestibuile

**Opening:** D1

**Number**

**Opening Size:** 36" x 84" x \_\_\_\_ (RHR)

| <u>Label</u>        | <u>Frame Catalog</u> | <u>Frame Series</u> | <u>Frame Mat'l</u> | <u>Frame Gauge</u> | <u>Jamb Depth</u>     | <u>Frame Construction</u> | <u>Frame Profile</u> | <u>Anchor Type</u> | <u>Facing (Jamb, Hd)</u> |                  |
|---------------------|----------------------|---------------------|--------------------|--------------------|-----------------------|---------------------------|----------------------|--------------------|--------------------------|------------------|
|                     |                      |                     |                    |                    |                       |                           |                      |                    |                          |                  |
| <u>Door Catalog</u> | <u>Door Label</u>    | <u>Door Series</u>  | <u>Door Mat'l</u>  | <u>Door Gauge</u>  | <u>Door Thickness</u> | <u>Door Type</u>          | <u>Lite Kit</u>      | <u>Door Core</u>   | <u>Door Seam</u>         | <u>Door Edge</u> |
|                     |                      |                     |                    |                    |                       |                           |                      |                    |                          |                  |
| <u>Door Top</u>     | <u>Door Finish</u>   | <u>Door Remarks</u> |                    |                    |                       |                           |                      |                    |                          |                  |
|                     |                      | Hardware only       |                    |                    |                       |                           |                      |                    |                          |                  |

**Installed Hardware (Group: HW SET: 01)**

|   |                  |  |  |  |  |  |  |  |  |                       |
|---|------------------|--|--|--|--|--|--|--|--|-----------------------|
| 1 | Continuous Hinge | Pemko DFM83HD1                         |  |  |  |  |  |  |  | D                     |
| 1 | Exit Device      | Yale 7205 613E RHR 36" x 84" Door      |  |  |  |  |  |  |  | 613E                  |
| 1 | Keying           | LockNet I/C Core                       |  |  |  |  |  |  |  | 626/26D               |
|   |                  | Temp Core                              |  |  |  |  |  |  |  |                       |
| 1 | Door Pull        | Rockwood BF168 313 Type 1 HD Mounting  |  |  |  |  |  |  |  | 313 (Dark Bronze)/10B |
| 1 | Surface Closer   | Yale UNI-3501 690 3445 (36" Door) - LH |  |  |  |  |  |  |  | 690/US20              |
| 1 | Wall Door Stop   | Rockwood 466-RKW Black                 |  |  |  |  |  |  |  | Black                 |
| 1 | Threshold        | NGP 323-36"                            |  |  |  |  |  |  |  |                       |



Panda Express  
Proto 2018

Submittal Date: 06/13/18

1 Single door, Exterior From Dining Room

**Opening:** D2

**Number**

**Opening Size:** 42" x 84" x \_\_\_\_ (RHR)

| <u>Label</u> | <u>Frame Catalog</u> | <u>Frame Series</u> | <u>Frame Mat'l</u> | <u>Frame Gauge</u> | <u>Jamb Depth</u> | <u>Frame Construction</u> | <u>Frame Profile</u> | <u>Anchor Type</u> | <u>Facing (Jamb, Hd)</u> |
|--------------|----------------------|---------------------|--------------------|--------------------|-------------------|---------------------------|----------------------|--------------------|--------------------------|
|--------------|----------------------|---------------------|--------------------|--------------------|-------------------|---------------------------|----------------------|--------------------|--------------------------|

| <u>Door Catalog</u> | <u>Door Label</u> | <u>Door Series</u> | <u>Door Mat'l</u> | <u>Door Gauge</u> | <u>Door Thickness</u> | <u>Door Type</u> | <u>Lite Kit</u> | <u>Door Core</u> | <u>Door Seam</u> | <u>Door Edge</u> |
|---------------------|-------------------|--------------------|-------------------|-------------------|-----------------------|------------------|-----------------|------------------|------------------|------------------|
|---------------------|-------------------|--------------------|-------------------|-------------------|-----------------------|------------------|-----------------|------------------|------------------|------------------|

| <u>Door Top</u> | <u>Door Finish</u> | <u>Door Remarks</u> |
|-----------------|--------------------|---------------------|
|                 |                    | Hardware only       |

**Installed Hardware (Group: HW SET: 01A)**

|   |                  |  |          |
|---|------------------|--|----------|
| 1 | Continuous Hinge | Pemko DFM83HD1                                   | D        |
| 1 | Exit Device      | Yale 7100 (121NL x 613E) 613E RHR 42" x 84" Door | 613/10B  |
| 1 | Keying           | LockNet I/C Core                                 | 626/26D  |
|   |                  | Temp Core  |          |
| 1 | Surface Closer   | Yale UNI-3501 690 3445 (42" Door) - LH           | 690/US20 |
| 1 | Wall Door Stop   | Rockwood 466-RKW Black                           | Black    |
| 1 | Threshold        | NGP 323-72"                                      |          |



Panda Express  
Proto 2018

Submittal Date: 06/13/18

1 Single door, Restroom Vestibule To Womens Restroom

**Opening:** D3-Sgl-1

**Number**

**Opening Size:** 36" x 84" x 1 3/4" (LH)

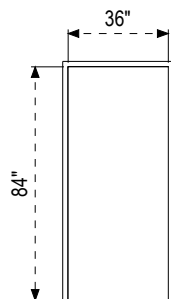
| Label | Frame Catalog | Frame Series | Frame Mat'l | Frame Gauge | Jamb Depth | Frame Construction | Frame Profile | Anchor Type | Facing (Jamb, Hd) |
|-------|---------------|--------------|-------------|-------------|------------|--------------------|---------------|-------------|-------------------|
|       | Curries       | CM           | CRS         | 16          | 5 7/8"     | SW                 | C             | MP          | 2", 2"            |

| Door Catalog  | Door Label | Door Series | Door Mat'l | Door Gauge | Door Thickness | Door Type | Lite Kit | Door Core | Door Seam | Door Edge |
|---------------|------------|-------------|------------|------------|----------------|-----------|----------|-----------|-----------|-----------|
| VT Industries |            | Plam        | Plam       |            | 1 3/4"         | F         |          | PC        |           | 3/3       |

| Door Top | Door Finish | Door Remarks          |
|----------|-------------|-----------------------|
|          | 7949K-18    | Wilsonart Asian Night |

**Installed Hardware (Group: HW SET: 04)**

|   |                |   |           |
|---|----------------|---|-----------|
| 3 | Standard Hinge | McKinney MPB79 4-1/2" x 4-1/2" US26D                    | US26D     |
| 1 | Latchset       | Yale AU 8802FL LH 626 IND<br>Includes Privacy Indicator | 626/US26D |
| 1 | Surface Closer | Yale 3501-PA 689 - LH                                   | 689/US28  |
| 2 | Kick Plate     | Rockwood K1050 10" x 34" US32D                          | US32D     |
| 1 | Wall Door Stop | Rockwood 409 US32D                                      | US32D     |
| 3 | Door Silencer  | Rockwood 608  |           |



E-1

1 Single door, Restroom Vestibule To Mens Restroom

**Opening:** D3-Sgl-2

**Number**

**Opening Size:** 36" x 84" x 1 3/4" (LH)

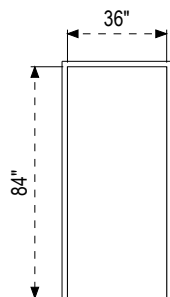
| Label | Frame Catalog | Frame Series | Frame Mat'l | Frame Gauge | Jamb Depth | Frame Construction | Frame Profile | Anchor Type | Facing (Jamb, Hd) |
|-------|---------------|--------------|-------------|-------------|------------|--------------------|---------------|-------------|-------------------|
|       | Curries       | CM           | CRS         | 16          | 5 7/8"     | SW                 | C             | MP          | 2", 2"            |

| Door Catalog  | Door Label | Door Series | Door Mat'l | Door Gauge | Door Thickness | Door Type | Lite Kit | Door Core | Door Seam | Door Edge |
|---------------|------------|-------------|------------|------------|----------------|-----------|----------|-----------|-----------|-----------|
| VT Industries |            | Plam        | Plam       |            | 1 3/4"         | F         |          | PC        |           | 3/3       |

| Door Top | Door Finish | Door Remarks          |
|----------|-------------|-----------------------|
|          | 7949K-18    | Wilsonart Asian Night |

**Installed Hardware (Group: HW SET: 04)**

|   |                |                                      |           |
|---|----------------|--------------------------------------|-----------|
| 3 | Standard Hinge | McKinney MPB79 4-1/2" x 4-1/2" US26D | US26D     |
| 1 | Latchset       | Yale AU 8802FL LH 626 IND            | 626/US26D |
|   |                | Includes Privacy Indicator           |           |
| 1 | Surface Closer | Yale 3501-PA 689 - LH                | 689/US28  |
| 2 | Kick Plate     | Rockwood K1050 10" x 34" US32D       | US32D     |
| 1 | Wall Door Stop | Rockwood 409 US32D                   | US32D     |
| 3 | Door Silencer  | Rockwood 608                         |           |



E-1

1 Single door, Restroom Vestibule From Storage Room

**Opening:** D4

**Number**

**Opening Size:** 30" x 84" x 1 3/4" (LHR)

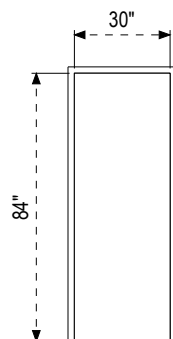
| Label | Frame Catalog | Frame Series | Frame Mat'l | Frame Gauge | Jamb Depth | Frame Construction | Frame Profile | Anchor Type | Facing (Jamb, Hd) |
|-------|---------------|--------------|-------------|-------------|------------|--------------------|---------------|-------------|-------------------|
|       | Curries       | CM           | CRS         | 16          | 5 7/8"     | SW                 | C             | MP          | 2", 2"            |

| Door Catalog  | Door Label | Door Series | Door Mat'l | Door Gauge | Door Thickness | Door Type | Lite Kit | Door Core | Door Seam | Door Edge |
|---------------|------------|-------------|------------|------------|----------------|-----------|----------|-----------|-----------|-----------|
| VT Industries |            | Plam        | Plam       |            | 1 3/4"         | F         |          | PC        |           | 3/3       |

| Door Top | Door Finish | Door Remarks          |
|----------|-------------|-----------------------|
|          | 7949K-18    | Wilsonart Asian Night |

**Installed Hardware (Group: HW SET: 06)**

|   |                |                                      |           |
|---|----------------|--------------------------------------|-----------|
| 3 | Standard Hinge | McKinney MPB79 4-1/2" x 4-1/2" US26D | US26D     |
| 1 | Latchset       | Yale AU 5301LN 626 LHR               | 626/US26D |
| 2 | Kick Plate     | Rockwood K1050 10" x 28" US32D       | US32D     |
| 1 | Wall Door Stop | Rockwood 409 US32D                   | US32D     |
| 3 | Door Silencer  | Rockwood 608                         |           |



E-2

1 Single door, Exterior From Kitchen

**Opening:** D5

**Number**

**Opening Size:** 42" x 84" x 1 3/4" (RHR)

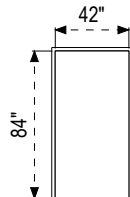
| Label | Frame Catalog | Frame Series | Frame Mat'l | Frame Gauge | Jamb Depth | Frame Construction | Frame Profile | Anchor Type | Facing (Jamb, Hd) |
|-------|---------------|--------------|-------------|-------------|------------|--------------------|---------------|-------------|-------------------|
|       | Curries       | M            | A60         | 14          | 5 3/4"     | SW                 | M             | MP          |                   |

| Door Catalog | Door Label | Door Series | Door Mat'l | Door Gauge | Door Thickness | Door Type | Lite Kit | Door Core | Door Seam | Door Edge |
|--------------|------------|-------------|------------|------------|----------------|-----------|----------|-----------|-----------|-----------|
| Curries      |            | 707S        | A60        | 16         | 1 3/4"         | F         |          | POLYS     | S         | A         |

| Door Top | Door Finish | Door Remarks |
|----------|-------------|--------------|
|          | PRIME-GRAY  |              |

**Installed Hardware (Group: HW SET: 03)**

|   |                        |   |           |
|---|------------------------|---|-----------|
| 1 | Continuous Hinge       | Pemko CFM83HD1                          | C         |
| 1 | Exit Device            | Yale 2100-42 689 RHR 42" x 84" Door     | 689/US28  |
| 1 | Surface Closer         | Yale UNI-4410 689 6190 (42" Door) - RHR | 689/US28  |
| 1 | Kick Plate             | Rockwood K1050 32" x 40" US32D          | US32D     |
| 1 | Lock Protector         | Don-Jo CLP-110-630                      | 630/US32D |
|   |                        | Latch Protector                         |           |
| 1 | Threshold              | NGP 323-42"                             |           |
| 1 | Weatherstripping       | NGP Perimeter Seal 160SA-42" x 84"      | A         |
| 1 | Gasketing              | NGP Sweep C627A-42"                     | A         |
| 1 | Miscellaneous Item     | NGP Drip Cap 16A-42"                    | A         |
| 1 | Miscellaneous Hardware | Detex EAX-500                           |           |
|   |                        | Complete LockNet Kit                    |           |



E-3

1 Pair of doors, Exterior From Storage

**Opening:** D6

**Number**

**Opening Size:** 36", 36" x 84" x 1 3/4" (RHRA)

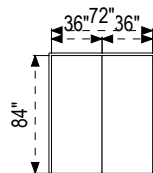
| Label | Frame Catalog | Frame Series | Frame Mat'l | Frame Gauge | Jamb Depth | Frame Construction | Frame Profile | Anchor Type | Facing (Jamb, Hd) |
|-------|---------------|--------------|-------------|-------------|------------|--------------------|---------------|-------------|-------------------|
|       | Curries       | M            | A60         | 14          | 5 3/4"     | SW                 | M             | MP          |                   |

| Door Catalog | Door Label | Door Series | Door Mat'l | Door Gauge | Door Thickness | Door Type | Lite Kit | Door Core | Door Seam | Door Edge |
|--------------|------------|-------------|------------|------------|----------------|-----------|----------|-----------|-----------|-----------|
| Curries      |            | 707S        | A60        | 16         | 1 3/4"         | F         |          | POLYS     | S         | A         |

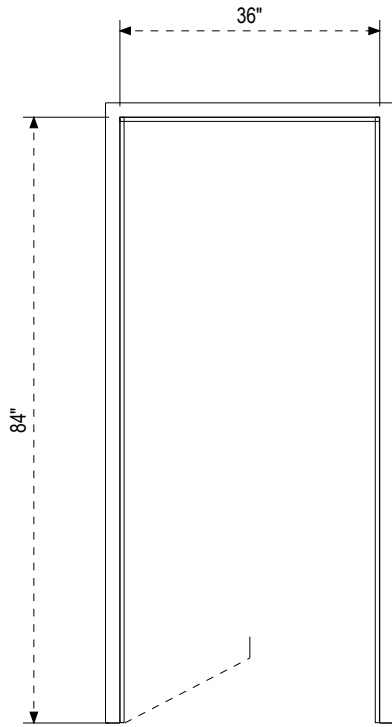
| Door Top | Door Finish | Door Remarks |
|----------|-------------|--------------|
|          | PRIME-GRAY  |              |

**Installed Hardware (Group: HW SET: 07)**

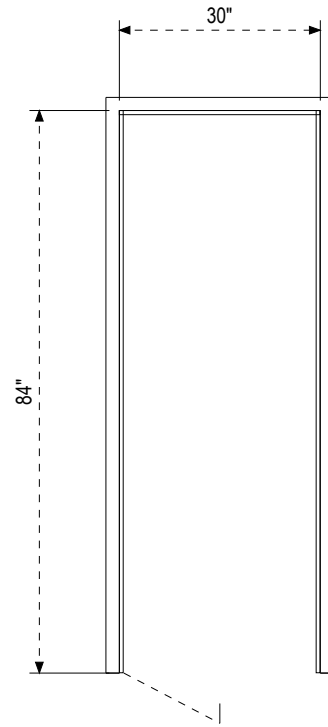
|   |                    |                                 |           |
|---|--------------------|---------------------------------|-----------|
| 2 | Continuous Hinge   | Pemko CFM83HD1                  | C         |
| 2 | Flush Bolt         | Rockwood 555 US26D              | US26D     |
| 1 | Lockset            | Yale B-AU 5405LN RHR 626        | 626/US26D |
| 1 | Keying             | LockNet I/C Core                | 626/26D   |
| 1 | Surface Closer     | Yale 3523T 689 - LH             | 689/US28  |
| 1 | Lock Protector     | Don-Jo CLP-110-630              | 630/US32D |
| 1 | Overhead Door Stop | Rixson 9-336 689                | 689/US28  |
|   |                    | (Locate: Inactive Leaf)         |           |
| 1 | Threshold          | NGP 425-72" (1/4-20 MS/EA)      |           |
| 1 | Weatherstripping   | NGP Nylon Brush 160SA-72" x 84" | A         |
| 1 | Gasketing          | NGP Astragal 115NA-84" (SET)    | A         |
| 2 | Gasketing          | NGP Sweep C627A-36"             | A         |
| 1 | Miscellaneous Item | NGP Drip Cap 16A-76"            | A         |



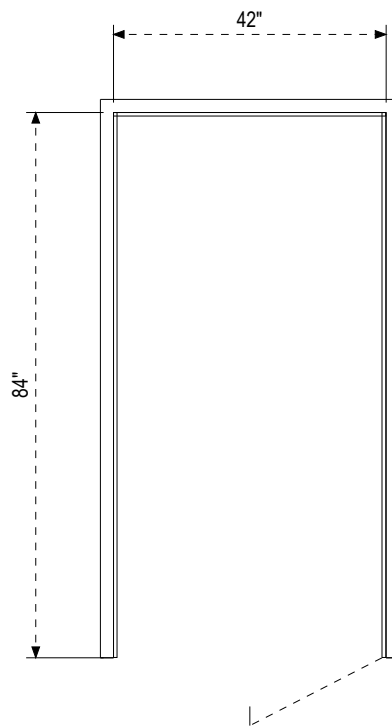
E-4



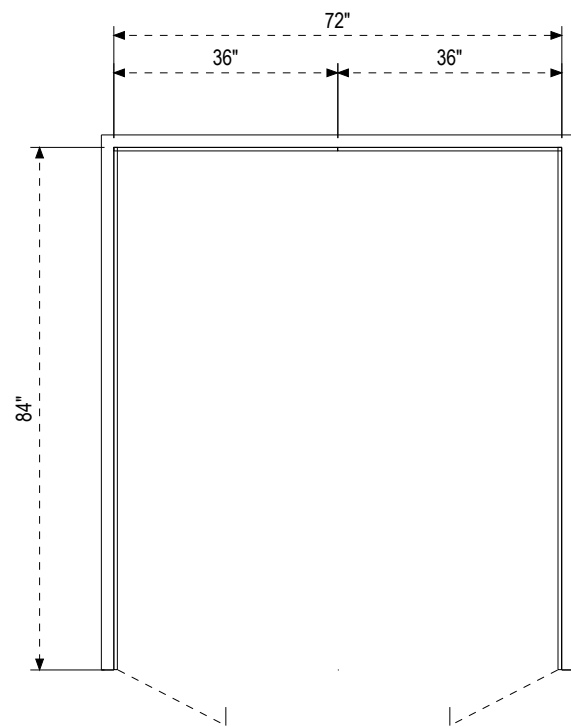
E-1



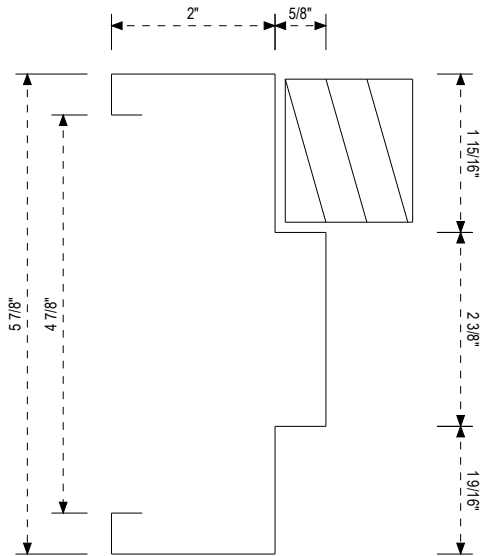
E-2



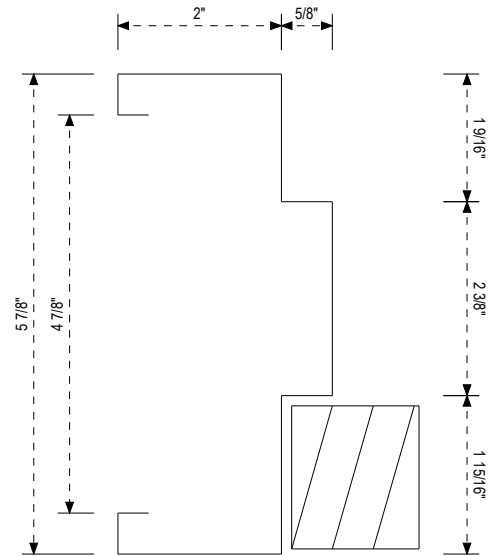
E-3



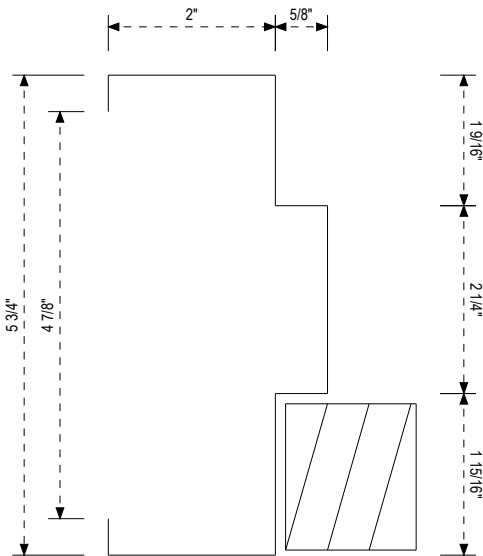
E-4



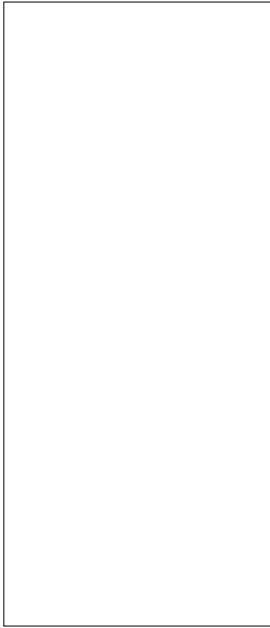
1



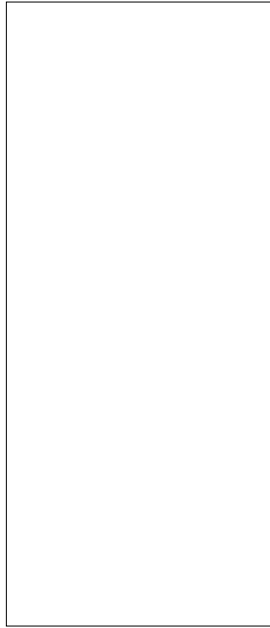
2



3

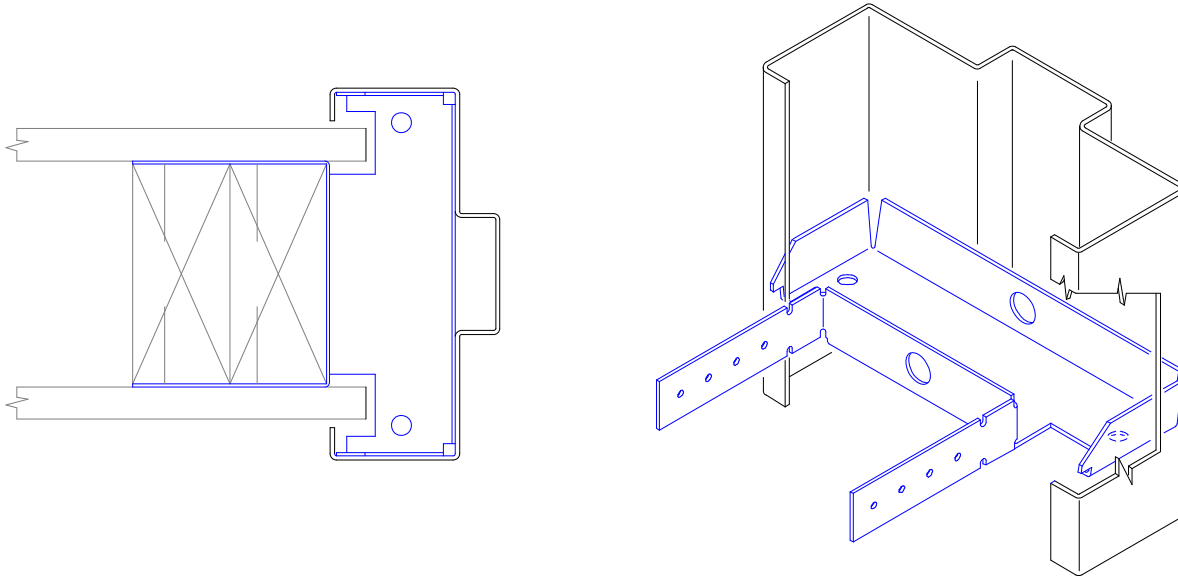


F (Curries)



F (VT Industries)

## Anchor Type



Multipurpose Anchor (MP)

## Hardware Schedule

### Heading #1 (Group: HW SET: 01)

|         |  |  |                       |
|---------|--|--|-----------------------|
| Item #1 | 1 Single door D1, Exterior From Vestibuile |  | RHR                   |
|         | 36" x 84" x ____ - HM DR x HM FR           |  |                       |
| 1       | Continuous Hinge                           | Pemko DFM83HD1, Full Mortise Heavy Duty Continuous Geared Aluminum Hinge | D                     |
| 1       | Exit Device                                | Yale 7205 613E RHR 36" x 84" Door, Rim Exit Device                       | 613E                  |
| 1       | Keying                                     | LockNet I/C Core, Small Format I/C core 14001400<br>Temp Core            | 626/26D               |
| 1       | Door Pull                                  | Rockwood BF168 313 Type 1 HD Mounting, 1" Door Pull, 45° Offset, CTC 12" | 313 (Dark Bronze)/10B |
| 1       | Surface Closer                             | Yale UNI-3501 690 3445 (36" Door) - LH, UNI Spring Door Control          | 690/US20              |
| 1       | Wall Door Stop                             | Rockwood 466-RKW Black, Heavy Duty Door Stop                             | Black                 |
| 1       | Threshold                                  | NGP 323-36", Threshold - 1/2" x 2 1/2" - 3 1/2"                          |                       |

### Heading #2 (Group: HW SET: 01A)

|         |   |  |          |
|---------|---|--|----------|
| Item #2 | 1 Single door D2, Exterior From Dining Room |  | RHR      |
|         | 42" x 84" x ____ - HM DR x HM FR            |  |          |
|         | <hr/>                                       |  |          |
| 1       | Continuous Hinge                            | Pemko DFM83HD1, Full Mortise Heavy Duty Continuous Geared Aluminum Hinge | D        |
| 1       | Exit Device                                 | Yale 7100 (121NL x 613E) 613E RHR 42" x 84" Door, Rim Exit Device        | 613/10B  |
| 1       | Keying                                      | LockNet I/C Core, Small Format I/C core 14001400<br>Temp Core            | 626/26D  |
| 1       | Surface Closer                              | Yale UNI-3501 690 3445 (42" Door) - LH, UNI Spring Door Control          | 690/US20 |
| 1       | Wall Door Stop                              | Rockwood 466-RKW Black, Heavy Duty Door Stop                             | Black    |
| 1       | Threshold                                   | NGP 323-72", Threshold - 1/2" x 2 1/2" - 3 1/2"                          |          |

### Heading #3 (Group: HW SET: 04)

|         |   |   |  |           |
|---------|---|---|--|-----------|
| Item #3 | 1 Single door D3-Sgl-1, Restroom Vestibule To Womens Restroom |   |  | LH        |
| Item #4 | 1 Single door D3-Sgl-2, Restroom Vestibule To Mens Restroom   |   |  | LH        |
|         | 36" x 84" x 1 3/4" - Plam DR x HM FR                          |   |  |           |
| 6       | Standard Hinge  | McKinney MPB79 4-1/2" x 4-1/2" US26D, Steel Standard Weight Five Knuckle          |  | US26D     |
| 2       | Latchset  | Yale AU 8802FL LH 626 IND, Privacy Function Lockset<br>Includes Privacy Indicator |  | 626/US26D |
| 2       | Surface Closer  | Yale 3501-PA 689 - LH, Parallel Arm Closer  |  | 689/US28  |
| 4       | Kick Plate  | Rockwood K1050 10" x 34" US32D, Standard Duty Metal Door Plate                    |  | US32D     |
| 2       | Wall Door Stop  | Rockwood 409 US32D, Wrought Concave Bumper, SMS & Plastic Toggle                  |  | US32D     |
| 6       | Door Silencer   | Rockwood 608, Door Silencers for Metal Frame                                      |  |           |



Panda Express  
Proto 2018

Submittal Date: 06/13/18

Heading #4 (Group: HW SET: 06)

Item #5 1 Single door D4, Restroom Vestibule From Storage Room LHR

30" x 84" x 1 3/4" - Plam DR x HM FR

|   |                |  |           |
|---|----------------|--|-----------|
| 3 | Standard Hinge | McKinney MPB79 4-1/2" x 4-1/2" US26D, Steel Standard Weight Five Knuckle | US26D     |
| 1 | Latchset       | Yale AU 5301LN 626 LHR, Key-In-Lever, Non-Key Latchsets, Passage         | 626/US26D |
| 2 | Kick Plate     | Rockwood K1050 10" x 28" US32D, Standard Duty Metal Door Plate           | US32D     |
| 1 | Wall Door Stop | Rockwood 409 US32D, Wrought Concave Bumper, SMS & Plastic Toggle         | US32D     |
| 3 | Door Silencer  | Rockwood 608, Door Silencers for Metal Frame                             |           |

Heading #5 (Group: HW SET: 03)

Item #6 1 Single door D5, Exterior From Kitchen RHR

42" x 84" x 1 3/4" - HM DR x HM FR

|   |                        |   |           |
|---|------------------------|---|-----------|
| 1 | Continuous Hinge       | Pemko CFM83HD1, Full Mortise Heavy Duty Continuous Geared Aluminum Hinge  | C         |
| 1 | Exit Device            | Yale 2100-42 689 RHR 42" x 84" Door, Panic Rated Flat Bar Rim Exit Device | 689/US28  |
| 1 | Surface Closer         | Yale UNI-4410 689 6190 (42" Door) - RHR, UNI Spring Door Control          | 689/US28  |
| 1 | Kick Plate             | Rockwood K1050 32" x 40" US32D, Standard Duty Metal Door Plate            | US32D     |
| 1 | Lock Protector         | Don-Jo CLP-110-630, Latch Protector                                       | 630/US32D |
| 1 | Threshold              | NGP 323-42", Threshold - 1/2" x 2 1/2" - 3 1/2"                           |           |
| 1 | Weatherstripping       | NGP Perimeter Seal 160SA-42" x 84", Perimeter Seal - 7/8"                 | A         |
| 1 | Gasketing              | NGP Sweep C627A-42", Nylon Brush - 9/16", 1 7/16"                         | A         |
| 1 | Miscellaneous Item     | NGP Drip Cap 16A-42", Drip Strip - 1 1/2" x 2 1/2"                        | A         |
| 1 | Miscellaneous Hardware | Detex EAX-500, Surface Mount Battery Alarm Complete LockNet Kit           |           |

Heading #6 (Group: HW SET: 07)

Item #7 1 Pair of doors D6, Exterior From Storage RHRA

36", 36" x 84" x 1 3/4" - HM DR x HM FR

|   |                    |  |           |
|---|--------------------|--|-----------|
| 2 | Continuous Hinge   | Pemko CFM83HD1, Full Mortise Heavy Duty Continuous Geared Aluminum Hinge | C         |
| 2 | Flush Bolt         | Rockwood 555 US26D, Lever Extension Flush Bolt                           | US26D     |
| 1 | Lockset            | Yale B-AU 5405LN RHR 626, Storeroom Function Lockset                     | 626/US26D |
| 1 | Keying             | LockNet I/C Core, Small Format I/C core 14001400                         | 626/26D   |
| 1 | Surface Closer     | Yale 3523T 689 - LH, Hold Open Thumbturn                                 | 689/US28  |
| 1 | Lock Protector     | Don-Jo CLP-110-630, Latch Protector                                      | 630/US32D |
| 1 | Overhead Door Stop | Rixson 9-336 689, Stop Surface Heavy Duty (Locate: Inactive Leaf)        | 689/US28  |
| 1 | Threshold          | NGP 425-72" (1/4-20 MS/EA), Threshold - 1/2" x 5"                        |           |
| 1 | Weatherstripping   | NGP Nylon Brush 160SA-72" x 84", Perimeter Seal - 7/8"                   | A         |
| 1 | Gasketing          | NGP Astragal 115NA-84" (SET), Astragal - 5/8" x 3/8" - epdm              | A         |
| 2 | Gasketing          | NGP Sweep C627A-36", Nylon Brush - 9/16", 1 7/16"                        | A         |
| 1 | Miscellaneous Item | NGP Drip Cap 16A-76", Drip Strip - 1 1/2" x 2 1/2"                       | A         |



Panda Express  
Proto 2018

Submittal Date: 06/13/18

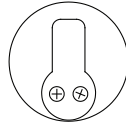
## EAX® EXIT ALARMS

### EAX-500

#### Battery Powered Door or Wall Mount Exit Alarm

The Detex EAX-500 Series is designed for applications requiring a battery-powered alarm on secured doors. The alarm, with approximately 100dB, will sound when an unauthorized exit occurs. The redesigned shape and smaller size of the EAX-500 makes it the ideal choice for quick and easy installations on emergency exit and restricted doors.

Shown with mortise cylinder  
(cylinder sold separately)



#### Benefits

- Low cost, self-contained door alarm with piezo horn that sounds to warn unauthorized use of a door or gate
- Secure, tamper resistant housing
- Quick, easy installation saves time and money

#### Features

- Patented plastic template allows for foolproof alignment of internal magnetic door contact and accurate installation
- Patented cam assembly automatically adjusts for different sizes of cylinders without use of spacers
- Modern graphics on cover to demonstrate key rotation and operation
- Tapered cover allows for installation on narrow stile doors
- Alarm can only be silenced by proper control key
- 9VDC battery operated with Low Battery Alert
- Intelligent circuit senses the external magnet location automatically and sets the correct door handing
- Extended bypass (now a standard feature) allows alarm to remain bypassed when door is open and automatically rearm upon door closing
- LED visual and audible arming indicators
- Field selectable 2-minute auto rearm, if desired
- 100 dB piezo alarm
- Field selectable status indicators, if desired

#### Mechanical Options

- EAX-500 may be ordered in several kit configurations:
  - SK1 Kit allows for wall mounting and includes (1) white MS-1039S door contact
  - SK2 Kit allows for wall mounting and includes (2) white MS-1039S door contacts
  - SK3 Kit allows for wall mounting and includes (1) brown MS-1059S door contact
  - SK4 Kit allows for wall mounting and includes (2) brown MS-1059S door contacts
  - SK5 Kit allows for wall mounting and includes (1) grey MS-2049S door contact
  - SK6 Kit allows for wall mounting and includes (2) grey MS-2049S door contacts
- KS - Key Stop (Key removed only when armed)
- EAX-500SK includes exit alarm prepped for wall mounting, and surface magnetic door contacts - specify cover lock # - additional surface contacts can be ordered separately (mortise cylinder sold separately)
- OKC - Outside Key Control (Rim Cylinder required)

Where Trust is Built™  
**DETEX**®  
Life Safety, Security and Security Assurance

### Electrical Options

Other EAX Exit Alarms Include:

- EAX-500W- Weatherized Battery Powered
- EAX-2500 - AC Powered
- EAX-3500 includes timed bypass alarm, rechargeable battery (mortise cylinder sold separately)

- EAX-3500FK includes timed bypass alarm, rechargeable battery, flush magnetic switch and plug-in 24VDC transformer

- EAX-3500SK includes timed bypass alarm, rechargeable battery, surface magnetic switch and plug-in 24VDC transformer

### Accessories

- IC7 - Interchangeable mortise cylinder
- MC65 - Mortise cylinder

### Technical Information

- Machine and Self-Drilling Screws (Std.)
- Optional Sex Nuts or Security Torx Screws available
- Optional Cylinder Nut Wrench P/N: 103779

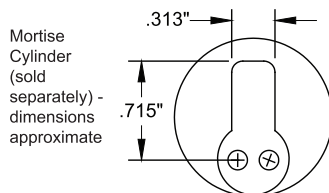
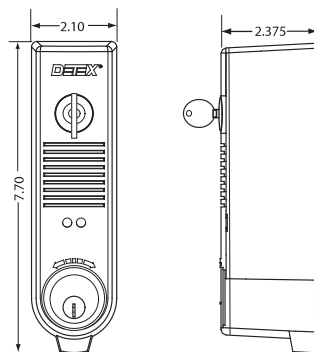


### Finishes

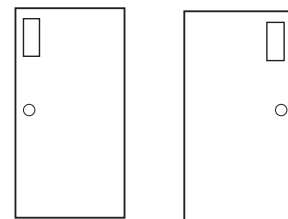
- GY - Grey
- BK - Black

### Dimensions

Front and Side View

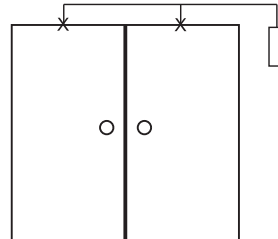


### Riser Diagram



Left-side mounting

Right-side mounting



Door switch actuated

Double door application as shown above available with EAX-500, EAX-2500 and EAX-3500.

**Note:** Double door application as shown above **not** available with EAX-500W weatherized alarm.

### Listings and Approvals



UL Classified Miscellaneous Fire Door Accessory



ANSI/BHMA A156.29

### Detex Limited Warranty

3 Year Limited Manufacturer's Warranty

*Where Trust is Built™*  
**DETEX®**  
*Life Safety, Security and Security Assurance*

Detex Corporation  
302 Detex Drive  
New Braunfels, Texas 78130-3045 USA  
PH. (830) 629-2900  
(800) 729-3839  
FAX (800) 653-3839  
<http://www.detex.com>  
USA Sales:  
[marketing@detex.com](mailto:marketing@detex.com)  
International Sales:  
[export@detex.com](mailto:export@detex.com)

May 6, 2016



Panda Express  
Proto 2018

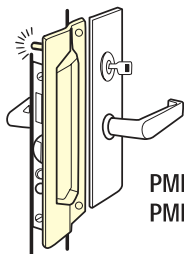
Submittal Date: 06/13/18



EBF Fasteners available with selected Latch Protectors.

**DON-JO** MFG., INC.

### Pin Latch protectors for OUTSWINGING DOORS



PMLP-111  
PMLP-211

| NUMBER       | DIMENSIONS | MATERIAL        |
|--------------|------------|-----------------|
| PMLP-111     | 3" x 11"   | Stainless Steel |
| PMLP-211     | 3" x 11"   | Steel           |
| PMLP-111-EBF | 3" x 11"   | Stainless Steel |
| PMLP-211-EBF | 3" x 11"   | Steel           |

SHELF PACK: 10

Polybagged

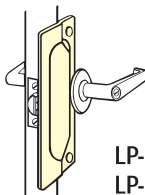
GAUGE: 12 (.104)

FEATURES: • Solid steel pin prevents spreading of door from frame  
• Pin is welded on back leaving no visible point of attack from outside

FINISHES: (PMLP-111) 630

(PMLP-211) BP (Brass Plated), CP (Chrome Plated), DU (Duro Coated), SL (Silver Coated)

### For Outswinging doors



LP-107  
LP-207

| NUMBER     | DIMENSIONS  | MATERIAL        |
|------------|-------------|-----------------|
| LP-107     | 2 3/4" x 7" | Stainless Steel |
| LP-207     | 2 3/4" x 7" | Steel           |
| LP-107-EBF | 2 3/4" x 7" | Stainless Steel |
| LP-207-EBF | 2 3/4" x 7" | Steel           |

SHELF PACK: 10

Display Package Size - 4" x 12"

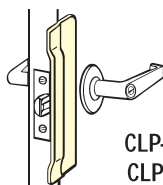
GAUGE: 12 (.104)

FEATURES: Furnished with carriage bolts, washers & acorn cap nuts for safety and strength

FINISHES: (LP-107) 630

(LP-207) BP (Brass Plated), CP (Chrome Plated), DU (Duro Coated), SL (Silver Coated)

### COMMERCIAL TYPE for outswinging doors



CLP-106  
CLP-110

| NUMBER  | DIMENSIONS   | MATERIAL        |
|---------|--------------|-----------------|
| CLP-106 | 2 1/8" x 6"  | Stainless Steel |
| CLP-110 | 2 1/8" x 10" |                 |

SHELF PACK: 10

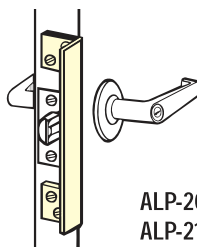
Polybagged

GAUGE: 12 (.104)

FEATURES: • 6" for key-in-knobs • 10" for Mortise Locks  
• Architectural design • Concealed welded studs with fasteners

FINISH: 630

### ANGLE TYPE for outswinging doors



ALP-206  
ALP-210

| NUMBER  | DIMENSIONS | MATERIAL |
|---------|------------|----------|
| ALP-206 | 6"         | Steel    |
| ALP-210 | 10"        |          |

SHELF PACK: 10

Polybagged



GAUGE: 10 (.134)

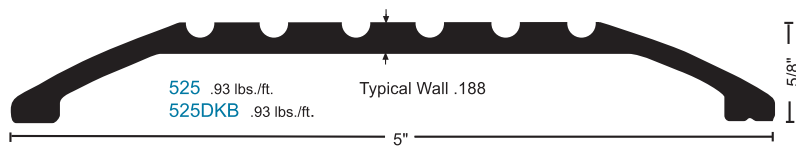
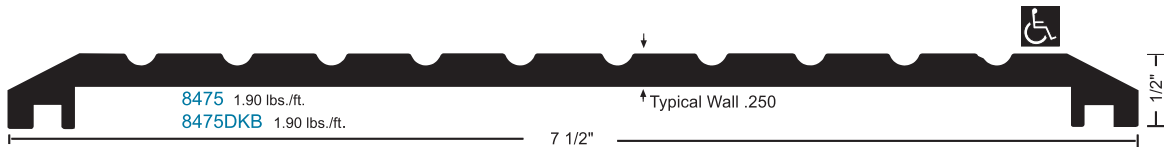
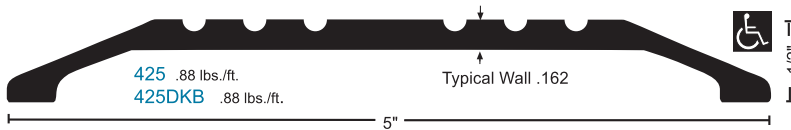
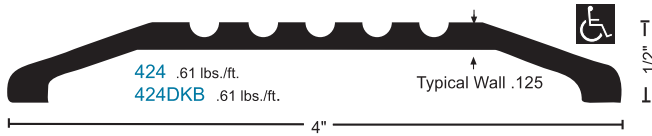
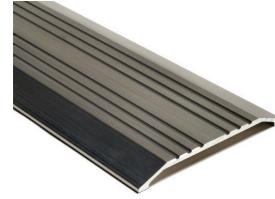
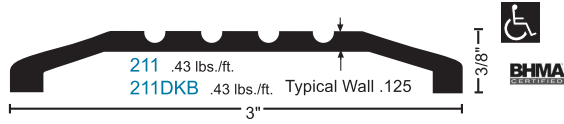
FEATURES: • 6" for key-in-knobs  
• 10" for Mortise Locks  
• 1 1/2" sheet metal screws for wood or metal

FINISHES: BC (Brass Coated), DU (Duro Coated), SL (Silver Coated)

info@don-jo.com • 1.800.628.8389 • 1.800.278.8202 fax

## Saddle Thresholds

All thresholds this page  



### MATERIALS & FINISHES

- Aluminum mill finish
- DKB - Aluminum dark bronze finish



- Optional: Slip Resistant SIA Finish

### FASTENERS

#10 x 1-1/2" FH zinc plated wood screws furnished. Dark bronze supplied with DKB thresholds.



NATIONAL GUARD PRODUCTS, INC.

Phone 800-647-7874  
Fax 800-255-7874

orders@ngp.com  
quotes@ngp.com

www.ngp.com

T 7



Panda Express  
Proto 2018

Submittal Date: 06/13/18

## Half Saddle Thresholds

All Products this page



\* when installed with the non-beveled edge flush with flooring, or where no greater than 1/4" vertical rise occurs.



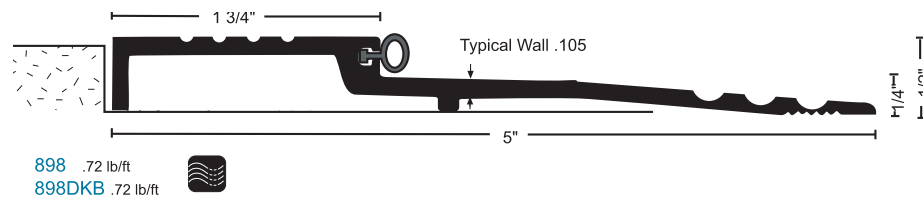
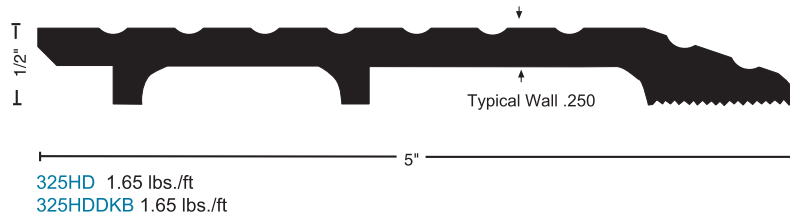
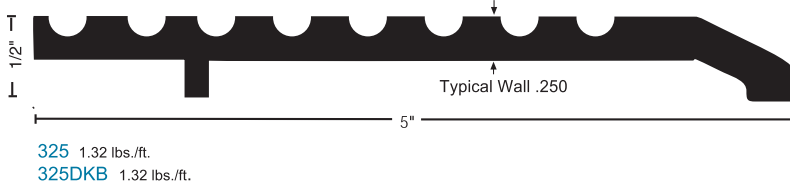
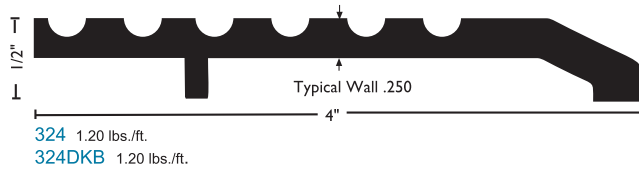
**VINYL FOOT SEAL OPTION:**  
used instead of caulking to increase the weather resistance of the threshold. Specify on order.



**BUMPER SEAL**  
Seals against the door providing weather resistance

Vinyl ("V") supplied unless other material specified

Options:  
NGP-TPV ("N")  
Silicone ("S")



### MATERIALS & FINISHES

- Aluminum mill finish
- DKB - Aluminum dark bronze finish



• Optional: Slip Resistant SIA Finish

### FASTENERS

#10 x 1-1/2" FH zinc plated wood screws furnished. Dark bronze supplied with DKB thresholds.



NATIONAL GUARD PRODUCTS, INC.

Phone 800-647-7874  
Fax 800-255-7874

orders@ngp.com  
quotes@ngp.com

www.ngp.com

T 17



Panda Express  
Proto 2018

Submittal Date: 06/13/18

## Silicone Seals

### Properties:

- Synthetic rubber polymer: Siloxane
- Excellent flexibility and memory
- Flame resistant
- Moisture resistant
- Temperature range -100°F to 500°F, remains flexible at extreme temperatures
- Excellent resistance to ozone, UV and aging
- Recommended for areas using FM200 or Halon Fire Suppression Systems
- BHMA Certified to ANSI/BHMA A156.22 performance tests for Heat, Cold, Air Infiltration and Smoke Infiltration

#6 x 3/4" Stainless Steel Sheet Metal Screws furnished  
Screw holes slotted for adjustment

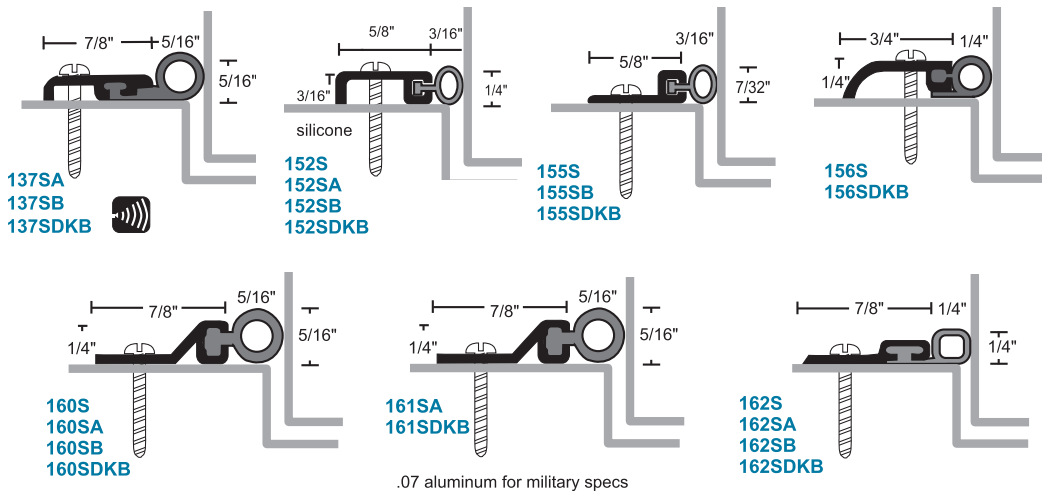
All silicone seals this section



**A** - anodized aluminum  
**B** - gold  
**DKB** - dark bronze  
**no suffix** - mill aluminum  
dense silicone is black  
exception: 137 silicone is gray

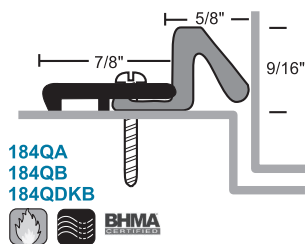


## Dense Bulbs

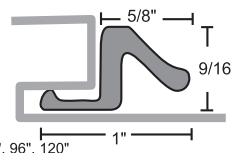


## Q-Lon® Foam Seals

Brown polyethylene liner with foam core



**Kerf Application**  
Fits 1/8" wide x  
7/16" deep kerf



**284Q**  
Stock lengths: 36", 48", 96", 120"



NATIONAL GUARD PRODUCTS, INC.

Phone 800-647-7874  
Fax 800-255-7874

orders@ngp.com  
quotes@ngp.com

www.ngp.com

G 21

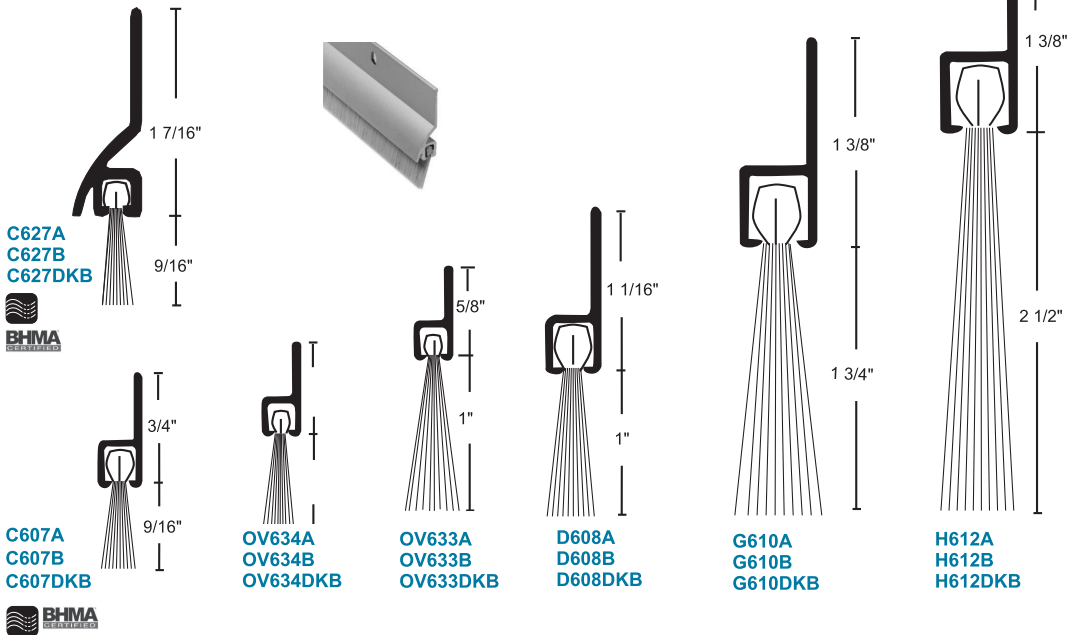
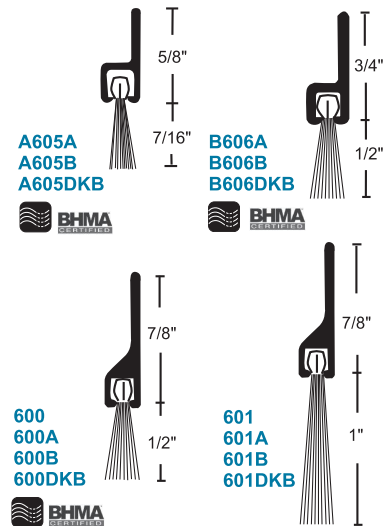


## Nylon Brush Sweeps

#6 x 3/4" Stainless Steel Sheet Metal Screws furnished.  
Screw holes are slotted for adjustment.

**A** - anodized aluminum with gray brush  
**B** - gold with black brush  
**DKB** - dark bronze with black brush  
**no suffix** - mill aluminum with gray brush

All products this page



G 46

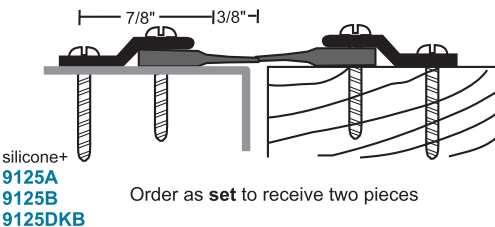
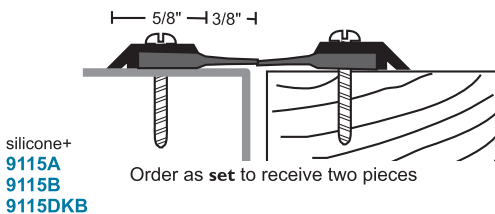
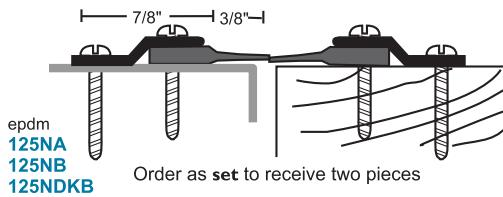
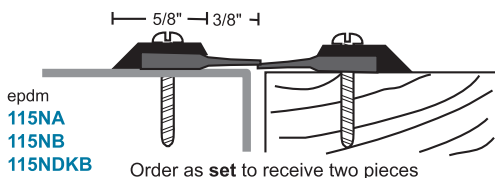


## Smoke-Rated Astragal Seals

Fire-rated Astragal Seals cannot replace any astragal required on the door by the door manufacturer to maintain its fire label. IBC, NFPA 80, NFPA105, and NFPA 252 require the gap at the meeting edge between fire labeled doors must not exceed 1/8".

#6 x 3/4" Stainless Steel Sheet Metal Screws furnished. Screw holes are slotted for adjustment.

| Metal                            | epdm  | silicone | nylon+ |
|----------------------------------|-------|----------|--------|
| <b>A</b> - anodized aluminum     | gray  | tan      | gray   |
| <b>B</b> - gold                  | black | tan      | black  |
| <b>DKB</b> - dark bronze         | black | tan      | black  |
| <b>no suffix</b> - mill aluminum | gray  | tan      | gray   |



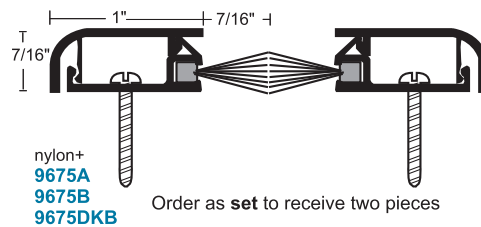
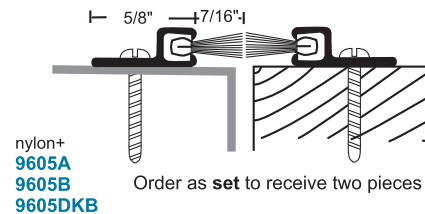
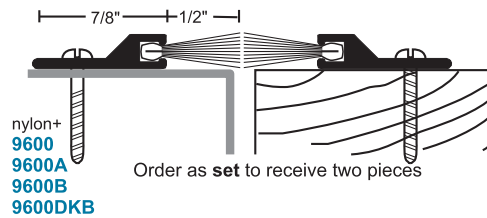
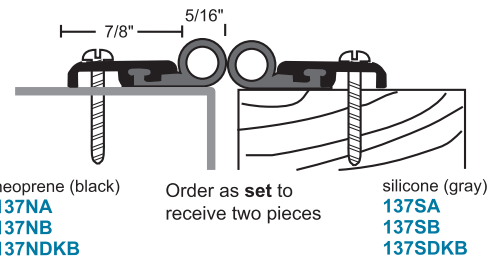
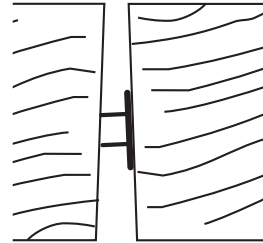
All products this page



**5070B** Brown  
**5070CL** Clear  
self-adhesive TPE



\* antimicrobial not available in clear

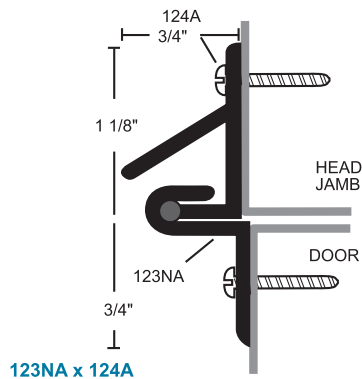
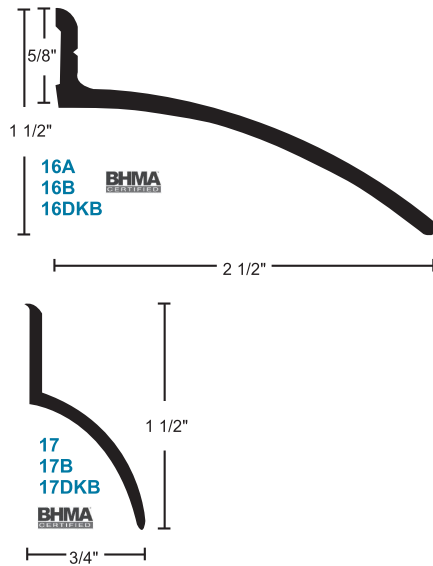


G 48

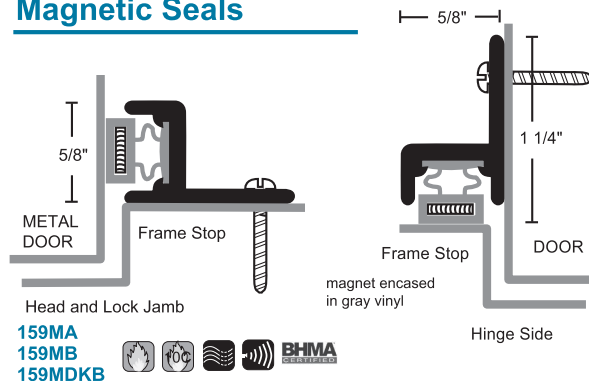
## Rain Drip Guards

#6 x 3/4" Stainless Steel  
SMS furnished

**A** - anodized aluminum  
**B** - gold  
**DKB** - dark bronze  
**No Suffix** - mtl aluminum



## Magnetic Seals

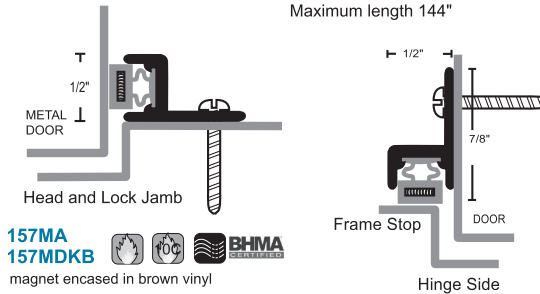


Head and Lock Jamb

159MA  
159MB  
159MDKB



#6 x 3/4" Stainless Steel SMS furnished.  
Screw holes slotted for adjustment.  
Maximum length 144"



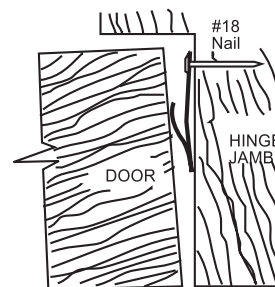
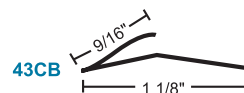
157MA  
157MDKB



magnet encased in brown vinyl

## Cushion Bronze Weatherstrip

Cushion material will not coil. Specify lengths required (36", 48", 72", 84", and 96".) Nails not included. Normal installation requires 3/4 lb. of nails per 100 ft. of weatherstrip; install 2" o.c.. Zinc plated bronze finish nails available in 1 lb. bags. Wafer head pilot point drive nails make excellent applications for metal jambs, normal installation requires 6 per foot. Install using #41 drill bit. Available with Fast Attach Tape - Specify x "FATT".



NATIONAL GUARD PRODUCTS, INC.

Phone 800-647-7874  
Fax 800-255-7874

orders@ngp.com  
quotes@ngp.com

www.ngp.com

G 55



Panda Express  
Proto 2018

Submittal Date: 06/13/18

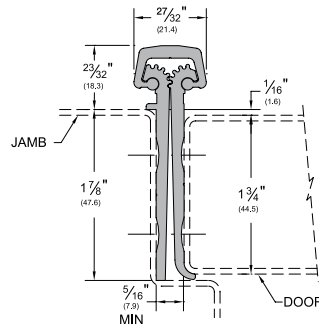
## Full Mortise Hinges

- Full-Mortise units are designed mainly for new door applications and are applied to the frame rabbet and door edge to conceal both leaves

### Full Mortise

\_FM

AVAILABLE FINISHES: BL, C, D, G, PW, SN

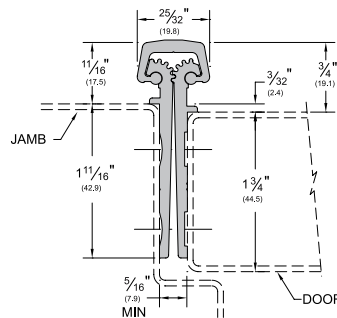


### Full Mortise Short Leaf Inset

- Designed for use with doors which range between 1 3/4" to 2 1/4"
- Designed for use with hollow metal doors and frames where the inset conforms to S.D.I. specifications for aligning doors and frames

\_FM\_SLI

AVAILABLE FINISHES: BL, C, D, G, PW, SN

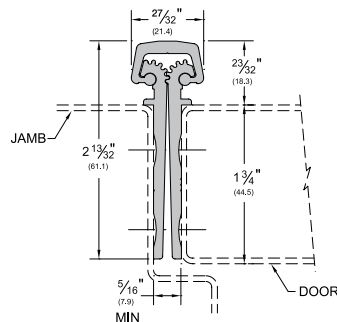


### Full Mortise Short Leaf Flush

- Designed for use with doors which range between 1 3/4" to 2 1/4"
- Also used for bifold applications to keep the faces of the doors flush (not illustrated)

\_FM\_SLF

AVAILABLE FINISHES: BL, C, D, G, PW, SN



AVAILABLE FINISHES FOR PRODUCTS SHOWN ON THIS PAGE (see General Information section for finish chart)  
 BL (Black Anodized) C (Clear Anodized) D (Dark Bronze Anodized) G (Gold Anodized)  
 PW (Painted White) and SN (Satin Nickel) are special finishes available upon request.

800-346-7707 | www.pemko.com  
 Check the web site for the up-to-date catalog

Copyright © 2015-2017, Pemko Manufacturing Co., an ASSA ABLOY Group company. All rights reserved.  
 Reproduction in whole or in part without the express written permission of Pemko Manufacturing Co. is prohibited.

**ASSA ABLOY**

The global leader in  
 door opening solutions

87

# Checkmate® Stops & Holders

Absolute Door Control and  
Entire Opening Protection



**RIXSON®**  
**ASSA ABLOY**

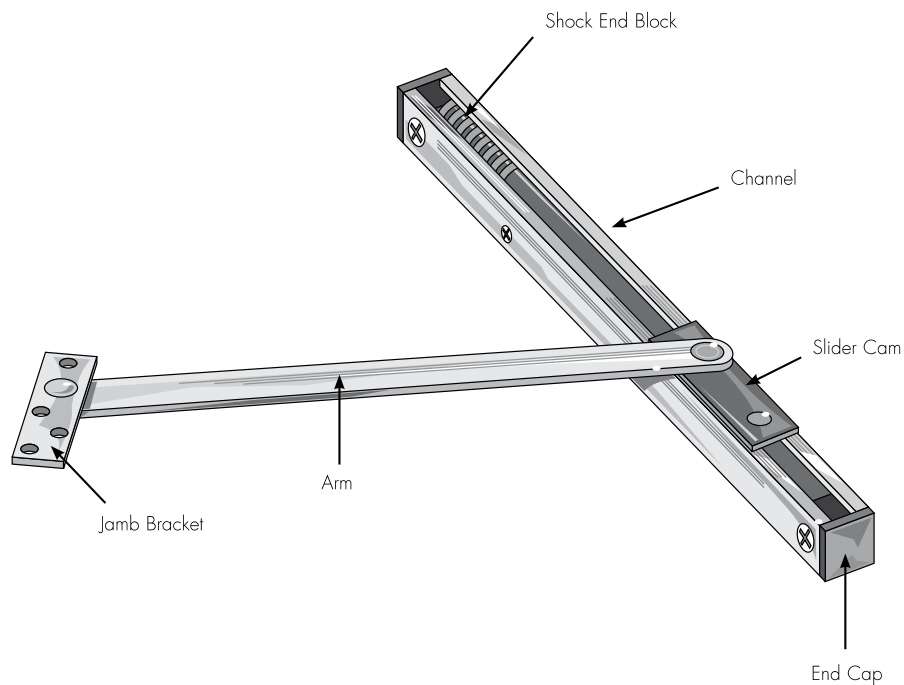
ASSA ABLOY, the global leader  
in door opening solutions

## CHECKMATE® STOPS & HOLDERS GENERAL INFORMATION

**RIXSON®**  
**ASSA ABLOY**

Checkmate® overhead stops and holders are used to extend the life of the door, frame and any door closing devices. They may be necessary if there are strong winds, high traffic or abuse.

- When used in conjunction with a floor closer, you have absolute door control, top and bottom
- Provides positive deadstop at selected degree
- There are three functions, four ways to order
  - Friction Stay – used on doors without closers to keep doors open
  - Hold Open – door remains held open near deadstop location
  - Stops – door deadstops at a particular degree of opening
  - Multi Function – adaptable as hold open and/or stops
- Available as surface mounted or concealed
- Standard mount on push side of door (see model descriptions for pull side installations)
- Thru bolts are furnished with all surface models and must be used for installation.



ASSA ABLOY, the global leader in door opening solutions

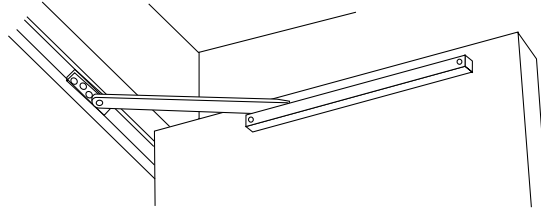
Copyright © 2013, Yale Security Inc., an ASSA ABLOY Group company. All rights reserved.  
Reproduction in whole or in part without the express written permission of Yale Security Inc. is prohibited.

3

9 SERIES

**Product Description & Features**

- Heavy-duty
- Interior or exterior doors
- Doors are single acting
- Non-handed
- Slide track design
- Recommended for high traffic, heavy abuse installations
- Heavy shock absorber spring provides 5-7° compression before deadstop
- LS option omits spring for special application
- On/off knob on hold open models
- Stop, friction stay or hold open function
- Complete screw packet with thru-bolts for door, wood and machine screws for frame
- Torx® screws optional for security applications
- Standard architectural finishes
- Durable slider cam and shock block
- 110° maximum opening
- 1-3/4" minimum door thickness
- 1-3/16" square channel
- Stop function UL listed for fire door assemblies
- For pull side mounting or flush mounting on push side or for rabbeted push side use angle jamb bracket adapter 5458-LH or 5459-RH
- Hanging means other than standard butts or offset pivots require special templating and pricing. Consult factory

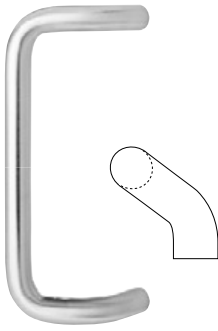


**Door Opening Chart (in inches)**

| Butts<br>Offset<br>Pivots | Center<br>Hung<br>Pivots | Model Number |       |       |
|---------------------------|--------------------------|--------------|-------|-------|
|                           |                          | Friction     | H.O.  | Stop  |
| *24 - 28                  | 25-1/2 - 30              | 9-116        | 9-126 | 9-136 |
| 28-1/16 - 33              | 30-1/16 - 36             | 9-216        | 9-226 | 9-236 |
| 33-1/16 - 38              | 36-1/16 - 41             | 9-316        | 9-326 | 9-336 |
| 38-1/16 - 43              | 41-1/16 - 46             | 9-416        | 9-426 | 9-436 |
| 43-1/16 - 48              | 46-1/16 - 50             | 9-516        | 9-526 | 9-536 |

| ANSI No.                       |          |        |        |
|--------------------------------|----------|--------|--------|
| Shipping<br>Weight<br>4.5 lbs. | Friction | H.O.   | Stop   |
|                                | C02531   | C02511 | C02541 |

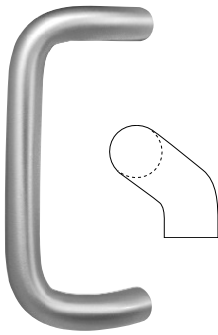
\*Butt hung only on this size door. No swing clear hinges.



## 45° Offset Door Pulls No. BF160, BF161, BF162

- Material:** Aluminum, brass, bronze, stainless steel
- Finishes:** Available in standard architectural finishes, US32DMS, US32D316, US32316, white (WPC), red (RPC), and black (BPC) powder coat finishes (see page 9)
- Fastener:** 1/4" - 20 x 2 1/4" thru bolt & finish washer (standard 1 3/4" door)
- Options:**
- Back to back mounting in pairs — use BTB suffix and mounting type number (BF160BTB16)
  - Concealed mounting single pulls — use C suffix and mounting type number (BF160C17)
  - Advise if door thickness is other than 1 3/4"
  - See page B27 for mounting selection (standard duty 1/4" - 20).
  - Use Y prefix (YBF160) when ordering pulls with base plates, Y plate diameter is 1 1/16"; recommended for use on wood and glass doors

| No.   | Material Size | CTC | Overall | Base | Projection | Clearance | Offset | Weight   | ANSI A156.6 |
|-------|---------------|-----|---------|------|------------|-----------|--------|----------|-------------|
| BF160 | 3/4" dia.     | 8"  | 8 3/4"  | 3/4" | 3 1/4"     | 2 1/2"    | 3"     | 1.8 lbs. | J402        |
| BF161 | 3/4" dia.     | 10" | 10 3/4" | 3/4" | 3 1/4"     | 2 1/2"    | 3"     | 2.0 lbs. | J402        |
| BF162 | 3/4" dia.     | 12" | 12 3/4" | 3/4" | 3 1/4"     | 2 1/2"    | 3"     | 2.2 lbs. | J402        |



## 45° Offset Door Pulls No. BF166, BF167A, BF167, BF168, BF169

- Material:** Aluminum, brass, bronze, stainless steel
- Finishes:** Available in standard architectural finishes, US32DMS, US32D316, US32316, white (WPC), red (RPC), and black (BPC) powder coat finishes (see page 9)
- Fastener:** 1/4" - 20 x 2 1/4" thru bolt & finish washer (standard 1 3/4" door)
- Options:**
- Back to back mounting in pairs — use BTB suffix and mounting type number (BF166BTB16)
  - Concealed mounting single pulls — use C suffix and mounting type number (BF166C17)
  - Advise if door thickness is other than 1 3/4"
  - Heavy duty versions of most fastening types available — use suffix HD to fastening type number (BF166BTB16HD)
  - See page B27 for mounting selection (standard duty 1/4" - 20)
  - Use Y prefix (YBF16) when ordering pulls with base plates, Y plate diameter is 1 1/4"; recommended for use on wood and glass doors

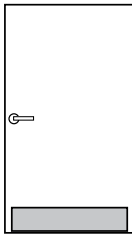
| No.    | Material Size | CTC | Overall | Base | Projection | Clearance | Offset | Weight   | ANSI A156.6 |
|--------|---------------|-----|---------|------|------------|-----------|--------|----------|-------------|
| BF166  | 1" dia.       | 8"  | 9"      | 1"   | 3 1/2"     | 2 1/2"    | 3"     | 2.8 lbs. | J402        |
| BF167A | 1" dia.       | 9"  | 10"     | 1"   | 3 1/2"     | 2 1/2"    | 3"     | 3.0 lbs. | J402        |
| BF167  | 1" dia.       | 10" | 11"     | 1"   | 3 1/2"     | 2 1/2"    | 3"     | 3.2 lbs. | J402        |
| BF168  | 1" dia.       | 12" | 13"     | 1"   | 3 1/2"     | 2 1/2"    | 3"     | 3.6 lbs. | J402        |
| BF169  | 1" dia.       | 18" | 19"     | 1"   | 3 1/2"     | 2 1/2"    | 3"     | 5.0 lbs. | J402        |

**ASSA ABLOY**

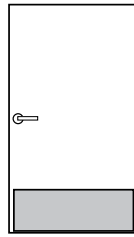
The global leader in  
door opening solutions

B31

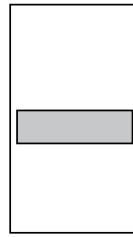
Copyright © 2012-2015, Rockwood Manufacturing Company, an ASSA ABLOY Group company. All rights reserved.  
Reproduction in whole or in part without the express written permission of Rockwood Manufacturing Company is prohibited.



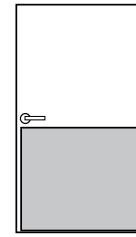
**Mop Plate**  
Up to 6"h x 48"w



**Kick Plate**  
6" to 12"h x 48"w



**Stretcher Plate**  
6" to 12"h and up to 48"w



**Armor Plate**  
Up to 48"h x 48"w and  
available in most finishes



Width of Plates:

Push Side: 2" less than door width. Pull Side: 1 1/2" less than door width.

**NFPA 80 STANDARDS — 2-4.5 Protection Plates:** Factory-installed protection plates shall be installed in accordance with the listing of the door. Field-installed protection plates shall be labeled and installed in accordance with their listing.

Exception: Labeling is not required where the top of the protection plate is not more than 16" (406 mm) above the bottom of the door.

**OPTIONAL  
Self-Drilling TEK  
Screws**

Cuts door plate  
installation time in half.

## Metal Door Plate – Economy Duty No. K1038

**Material:** .038" aluminum, stainless steel

**Finishes:** Brass look aluminum (BRS LK), US32D, and US3**LIFETIME**

**Fastener:** #6 x 5/8" OH SMS

**Ordering:** Specify height x width x finish code. Add any options

**Weight:** 8" x 34" = 3.2 lbs

- Options:**
- SA – self-adhesive mounting
  - TORX – security Torx screws
  - TEK – self-drilling screws
  - Cutouts for locks, louvers, or windows (see worksheets on pages C14-C15 for details on how to order)

## Metal Door Plate – Standard Duty No. K1050, K1050F

**Material:** .050" aluminum, brass, bronze, stainless steel


**Finishes:** Available in standard architectural finishes, US32D**MS**, US32D**316**, and US32**316** (see page 9)

**Fastener:** #6 x 5/8" OH SMS

**Ordering:** Specify height x width x finish code. Add any options

**Weight:** 8" x 34" = 4.0 lbs

**ANSI:** J101 - metal armor plate, J102 - metal kick plate, J103 - metal stretcher & mop plate

- Options:**
- SA – self-adhesive mounting
  - TEK – self-drilling screws
  - Beveled 3 or 4 edges, specify B3E or B4E
  - Cutouts for locks, louvers, or windows (see worksheets on pages C14-C15 for details on how to order)
  - Heavy bevel available, specify HVBEV
  - Screw mounting (K1050F) and UL listed for use on 90-minute label wood doors and 3-hour label metal doors 
  - CSK – countersunk holes
  - TORX – security Torx screws

**ASSA ABLOY**

The global leader in  
door opening solutions

C1

Copyright © 2012-2015, Rockwood Manufacturing Company, an ASSA ABLOY Group company. All rights reserved.  
Reproduction in whole or in part without the express written permission of Rockwood Manufacturing Company is prohibited.



## Solid Cast Wall Stops No. 400, 401, 402

**Material:** Cast brass with DuraFlex bumper

**Finishes:** Available in standard architectural finishes (see page 9)

**Features:** Concealed mounting, convex bumper. Back plate prevents damage to wall

| No. | Bumper | Fastener                        | Size     | Projection | Weight      | ANSI A156.16 |
|-----|--------|---------------------------------|----------|------------|-------------|--------------|
| 400 | Convex | #6 x 1½" FH SMS, plastic toggle | 2⅞" dia. | 1"         | 3.3 lbs./10 | L02101       |
| 401 | Convex | #8 x 1" RH WS, plastic anchor   | 2⅞" dia. | 1"         | 3.3 lbs./10 | L02101       |
| 402 | Convex | #8-32 x 1" TH MS, lead anchor   | 2⅞" dia. | 1"         | 3.3 lbs./10 | L02101       |



## Solid Cast Wall Stops No. 403, 404, 405

**Material:** Cast brass with DuraFlex bumper

**Finishes:** Available in standard architectural finishes (see page 9)

**Features:** Concealed mounting, concave bumper. Back plate prevents damage to wall

| No. | Bumper  | Fastener                        | Size     | Projection | Weight      | ANSI A156.16 |
|-----|---------|---------------------------------|----------|------------|-------------|--------------|
| 403 | Concave | #6 - 1½" FH SMS, plastic toggle | 2⅞" dia. | 1"         | 3.3 lbs./10 | L02251       |
| 404 | Concave | #8 x 1" RH WS, plastic anchor   | 2⅞" dia. | 1"         | 3.3 lbs./10 | L02251       |
| 405 | Concave | #8-32 x 1" TH MS, lead anchor   | 2⅞" dia. | 1"         | 3.3 lbs./10 | L02251       |



## Wrought Wall Stops No. 406

**Material:** Wrought brass, bronze, and stainless steel with DuraFlex bumper

**Finishes:** Available in standard architectural finishes (see page 9)

**Features:**

- Concealed mounting, convex bumper. Back plate prevents damage to wall
- Accepted by the New York State Office of Mental Health (OMH) for use in high risk areas

| No. | Bumper | Fastener                        | Size     | Projection | Weight      | ANSI A156.16 |
|-----|--------|---------------------------------|----------|------------|-------------|--------------|
| 406 | Convex | #8 x 1¼" TH SMS, plastic toggle | 2½" dia. | ¾"         | 1.8 lbs./10 | L02101       |



## Wrought Wall Stops No. 409

**Material:** Wrought brass, bronze, and stainless steel with DuraFlex bumper

**Finishes:** Available in standard architectural finishes (see page 9)

**Features:**

- Concealed mounting, concave bumper. Back plate prevents damage to wall
- Accepted by the New York State Office of Mental Health (OMH) for use in high risk area

**Options:** DuraFlex bumper available in standard gray or optional black

| No. | Bumper  | Fastener                        | Size     | Projection | Weight      | ANSI A156.16 |
|-----|---------|---------------------------------|----------|------------|-------------|--------------|
| 409 | Concave | #8 x 1¼" TH SMS, plastic toggle | 2½" dia. | ¾"         | 1.8 lbs./10 | L02251       |

**ASSA ABLOY**

The global leader in  
door opening solutions

D1

Copyright © 2012-2015, Rockwood Manufacturing Company, an ASSA ABLOY Group company. All rights reserved.  
Reproduction in whole or in part without the express written permission of Rockwood Manufacturing Company is prohibited.



## Heavy Duty Door Stop No. 466

- Material:** Flame resistant molded rubber bumper
- Finishes:** Black
- Mounting:** Drill 1" dia. x 2 1/2" deep hole, fill with anchoring grout
- Features:**
- Ideal for use in high vandalism or security areas
  - No exposed fasteners

| No. | Diameter | Height     | Mounting Bolt | Weight   |
|-----|----------|------------|---------------|----------|
| 466 | 2" dia.  | x 1 1/2" h | 5/8" x 2 1/2" | 0.6 lbs. |



## Heavy Duty Door Stop No. 467

- Material:** Flame resistant molded rubber bumper
- Finishes:** Black
- Mounting:** Drill 1" dia. x 2 1/2" deep hole, fill with anchoring grout
- Features:**
- Suitable for concrete floor or wall mounting
  - Ideal for use in high vandalism or security areas
  - No exposed fasteners
  - Accepted by the New York State Office of Mental Health (OMH) for use in high risk areas

| No. | Diameter | Height     | Mounting Bolt | Weight   |
|-----|----------|------------|---------------|----------|
| 467 | 2" dia.  | x 3 1/2" h | 5/8" x 2 1/2" | 0.9 lbs. |



## Heavy Duty Door Stop No. 468

- Material:** Wrought stainless steel and black rubber bumper
- Finishes:** US32D
- Mounting:** Drill 1 1/2" dia. x 7" deep hole, fill with anchoring grout
- Features:**
- Ideal for use in high vandalism or security area
  - No exposed fasteners
  - Accepted by the New York State Office of Mental Health (OMH) for use in high risk areas

| No. | Diameter | Height | Mounting Bolt | Weight   |
|-----|----------|--------|---------------|----------|
| 468 | 2" dia.  | x 3" h | 1" x 7"       | 2.6 lbs. |

## ASSA ABLOY

D10

The global leader in  
door opening solutions

Copyright © 2012-2015, Rockwood Manufacturing Company, an ASSA ABLOY Group company. All rights reserved.  
Reproduction in whole or in part without the express written permission of Rockwood Manufacturing Company is prohibited.



## Lever Extension Flush Bolt No. 555

- Material:** Brass
- Finishes:** Available in standard architectural finishes (see page 9)
- Fastener:** 8 ea. #8 x 3/4" FH combo screws
- Features:**
- For Fire Rated Hollow Metal Swinging Doors measuring up to 4'w x 10'h rated up to and including 3 Hours
  - Fits ANSI A115 door and frame preparation
  - 3/4" bolt throw, 3/4" rod backset
  - 12" rod length (center of face to bolt end - retracted)
  - 1 1/2" adjustable bolt head
- Options:**
- Other size rods available are 18", 24", 36", 48"
  - Extra long bolt head - 2 1/2" (or to your specification)
  - Use No. 570 Dust Proof Strike (shown on page E4) to prevent dirt blocking bottom strike

| No. | Size  | Weight     | ANSI A156.16 |
|-----|---|------------|--------------|
| 555 | Face plate: 1" x 6 3/4"<br>Strike: 1 3/16" x 2 1/4"<br>Guide: 1" x 2" | 1.5 lbs./2 | L04251       |



## Lever Extension Flush Bolt with Bottom Fire Bolt No. 555 x 18BFB

- Material:** Flush bolt – brass  
Bottom fire bolt – stainless steel
- Finishes:** Available in standard architectural finishes (see page 9)
- Fastener:** 8 ea. #8 x 3/4" FH combo screws
- Features:**
- For Fire Rated Hollow Metal Swinging Doors measuring up to 4'w x 9'h rated up to and including 3 Hours
  - Fits ANSI A115 door and frame preparation
  - 3/4" bolt throw, 3/4" rod backset
  - 12" rod length (center of face to bolt end - retracted)
  - 1 1/2" adjustable bolt head
  - When door is subjected to 230°F the plug and black plastic cover will melt allowing the bolt to project, locking the leaves together
  - Bottom fire bolt eliminates need for floor prep.
  - Oversize fire bolt strike hole allows for slight door misalignment
- Options:**
- Other size rods available are 18", 24", 36", 48"
  - Extra long bolt head – 2 1/2" (or to your specification)

| No.         | Size   | Weight   |
|-------------|--|----------|
| 555 x 18BFB | Top bolt: 1" x 6 3/4"<br>Bottom bolt: 1 3/16" dia. | 0.9 lbs. |

**ASSA ABLOY**

The global leader in  
door opening solutions

E2

Copyright © 2012-2015, Rockwood Manufacturing Company, an ASSA ABLOY Group company. All rights reserved  
Reproduction in whole or in part without the express written permission of Rockwood Manufacturing Company is prohibited.



# 2100 Series

Flatbar Exit Devices

An ASSA ABLOY Group brand

**ASSA ABLOY**



Panda Express  
Proto 2018

Submittal Date: 06/13/18



## rugged reliability

### introduction

It's no secret that the 2100 series flatbar exit device has a reputation as the right choice for meeting the rigors of demanding industry segments.

The quality and certified ANSI/BHMA A156.3 Grade 1 performance of the 2100 series are unmatched in the security industry. So it's no wonder that architects and specifiers request it for their toughest applications.

Patented mechanisms made of heavily electroplated high-grade steel and non-ferrous materials provide sturdy construction and superior protection against corrosion. High quality finishes of baked powder coatings resist rust and abrasion, with cosmetic and functional life extended to match that of the architectural finishes offered on the optional outside trim.

In an evolutionary move for the 2100 series devices, Yale also offers architectural-grade finishes. Architectural finishes add new dimensions of versatility to the 2100 series, making it a perfect fit for prominent entryways in office buildings, department stores, movie theaters and other venues that call for a blending of performance and style.

### ANSI/BHMA

Certified ANSI/BHMA  
A156.3, Grade 1.



### fire listings

2100F series exit devices are UL-cUL Listed for use on fire doors having a rating up to and including 3-hours unless otherwise noted.

Note: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Yale Locks & Hardware 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.

### free wheeling lever trim

2100 exit device lever trims feature the unique Free Wheeling lever mechanism. This Free Wheeling trim features a clutch mechanism which allows the lever to float down 60° when operated in the locked condition, greatly improving vandal resistance.



### windstorm

Certified (refer to local codes). Specify suffix "WS" to 2100(F) devices.



### iso 9001

Designed and manufactured under a certified ISO 9001 quality system.

### warranty

The 2100 series exit devices carry a three-year warranty. Rose trims carry a two-year warranty and escutcheon trims carry a five-year warranty.

### microshield®

2100 series exit devices and trims are available with *MicroShield* antimicrobial coating. *MicroShield* is a revolutionary hardware finish coating which inhibits the growth of bacteria, algae, yeast fungus, mold and mildew. *MicroShield* is non-toxic and lasts for the lifetime of the finish to which it is applied. To order, suffix option code "YMS".

Note: *MicroShield* coating may vary finish color from architectural standards. *MicroShield* is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated products must still be cleaned to insure the surfaces will be free of destructive microbes. Yale makes no representations or warranties, express or implied, as to the efficacy of the *MicroShield* antimicrobial. A copy of the *MicroShield* warranty is available upon request.

### contents

|                              |       |
|------------------------------|-------|
| Introduction .....           | 2     |
| Functions .....              | 3     |
| Applications .....           | 4-5   |
| SquareBolt® and Rim .....    | 6-7   |
| Surface Vertical Rod .....   | 8-9   |
| Concealed Vertical Rod ..... | 10-11 |
| Trim Designs .....           | 12    |
| Exit Device Trims .....      | 13-15 |
| Cylinders .....              | 16-18 |
| Strikes .....                | 19    |
| Accessories .....            | 20-21 |
| Mullions .....               | 22-23 |
| Stand-Alone Door Alarm ..... | 24    |
| Facts and Figures .....      | 25    |
| Ordering Information .....   | 26    |
| Sample Specification .....   | 27    |

### finishes

| ANSI/BHMA Code | Finish Description  |
|----------------|---|
| 605            | Bright Brass, Clear Coated  |
| 606            | Satin Brass, Clear Coated   |
| 612            | Satin Bronze, Clear Coated  |
| 613            | Dark Oxidized Satin Bronze, Oil Rubbed <sup>1</sup>   |
| 630            | Satin Stainless Steel  |
| 689            | Aluminum Painted  |
| 691            | Light Bronze Painted  |
| 693            | Black Painted   |
| 695            | Dark Bronze Painted   |
| 722            | Black Oxidized Bronze, Oil Rubbed <sup>2</sup>  |

<sup>1</sup> New May 1, 2010

<sup>2</sup> Formerly 613 prior to May 1, 2010



**Finish available with MicroShield® antimicrobial coating, additional finishes by special application. Consult factory for availability.**



## rim

## 2100(F)

The 2100(F) is a rim exit device to be used with single doors or pairs of doors constructed of metal, wood or composite materials. The 2100(F) can be paired with a wide variety of trims to meet many applications.



## certification/compliance

UL/cUL Listed: FVSR/FVSR7 - Panic hardware  
GXHX/GXHX7 - Fire exit hardware (F)  
(4' x 8' single, 8' x 8' pairs, 3 hr.)  
ZHEM - Latching hardware  
ZHLA - Windstorm rated assemblies

ANSI/BHMA Certified: A156.3 Type 1, Grade 1



## features

- Designed for wide stile doors
- Non-handed for easy installation
- Steel interlock "E" bracket maintains door-to-mullion relationship in fire-labeled devices
- Deadlocking pullman latchbolt positively engages roller strike
- Available certified hurricane resistant (refer to local codes). Specify 2100(F)WS



Hurricane

## applications

- Single swing doors
- Pairs of doors (mullion required)
- Metal, wood or composite door materials

## specifications

|                      |  |
|----------------------|--|
| Door Opening Width:  | -36 for 30" - 36" (76cm - 91cm) doors<br>-42 for 36" - 42" (91cm - 107cm) doors<br>-48 for 42" - 48" (107cm - 122cm) doors   |
| Door Thickness:      | 1-3/4" (44mm) standard. Optional door thicknesses available to 4-1/2"; specify door thickness when ordering.   |
| Minimum Stile Width: | 4-1/2" (114mm)   |
| Projection:          | 2-1/2" (64mm) active, 1-3/4" (44mm) depressed  |
| Latchbolt:           | 3/4" (19mm) deadlocking stainless steel pullman-type   |
| Strike:              | 757F, 793 optional (double door application, panic only)   |
| Fasteners:           | Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.   |
| Trims:               | 121NL cylinder only, 210F series utility trim, 440F series rose trim, 580F series rose trim with escutcheon plate, 620F series escutcheon trim, 630F series pull/thumbpiece trim. See pages 13-15. |
| Dogging:             | Hex key dogging supplied standard on panic devices   |
| Finishes:            | 605, 606, 612, 613, 630, 689, 691, 693, 695, 722   |
| Options:             | Cylinder dogging, shim kit #223, sex nuts and bolts, MicroShield®  |
| Warranty:            | 3-year limited   |



# 3000 Series

Architectural Door Closer

An ASSA ABLOY Group brand

**ASSA ABLOY**



Panda Express  
Proto 2018

Submittal Date: 06/13/18



## the perfect choice

The Yale® 3000 Series Architectural Door Closers offer the perfect combination of reliability, appearance and durability in today's market. With features such as staked valves, self-drilling/self-tapping screws, rack and pinion design and precise valve adjustment, and a complete range of arm and cover options, the Yale® 3000 can meet virtually any application challenge.

This U.L. listed, ANSI Grade 1 closer has a long history of proven quality. It is the ideal choice for upscale facilities that demand superior performance such as: conference centers, office buildings, courthouses, religious facilities, banks, nursing homes, restaurants, hotels and medical offices.

### finishes

Product will be painted with a combination of waterborne acrylic and polyester powder coat. Closers will withstand 100 hours of salt spray. (The ANSI requirement is 25 hours.)

### contents

|                                |       |
|--------------------------------|-------|
| Overview .....                 | 3     |
| Features .....                 | 4-5   |
| Optional Features .....        | 6     |
| Applications.....              | 7-9   |
| Technical Details .....        | 10-19 |
| Accessories.....               | 20-31 |
| Parts List .....               | 32-41 |
| Suggested Specifications ..... | 42    |
| How To Order .....             | 43    |

| Sprayed Finishes |                            |                                    |                 |
|------------------|----------------------------|------------------------------------|-----------------|
| Description      | Specify Designation (BHMA) | Complements the following finishes | Old Designation |
| Aluminum         | 689                        | 625, 628, 629, 630, 651, 652       | SB              |
| Statuary Bronze  | 690                        | 613, 640, 695                      | STAT            |
| Dull Bronze      | 691                        | 612, 637, 639                      | BL              |
| Black            | 693                        | 315                                | 315             |
| Medium Amber     | 694                        | 312                                | 312             |
| Gold             | 696                        | 605, 606, 632, 633                 | GB              |
| Prime Coat       | 600*                       | —                                  | SRI             |

\* 600 is a special rust inhibiting prime coat. Closers can be ordered prime coat only (specify closer x 600). An additional charge applies if finish coat is required over prime coat (ex: 3501 x 600 x 689).

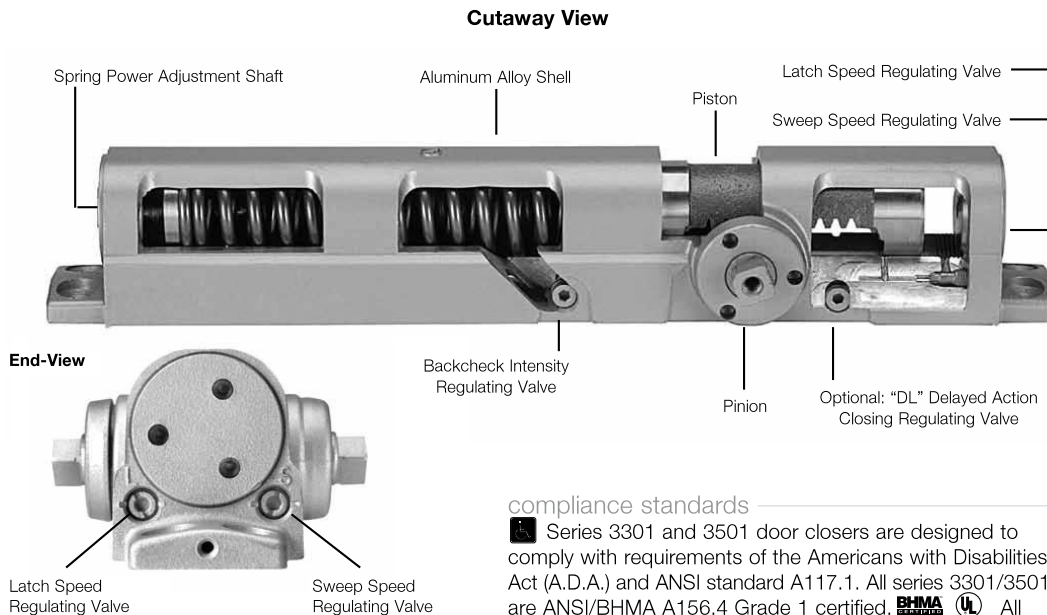
| Plated Finishes*           |      | Cover |             | Old Designation |
|----------------------------|------|-------|-------------|-----------------|
|                            |      | Metal | Arch. Metal |                 |
| Bright Brass               | 605E | Yes   | Yes         | US3             |
| Satin Brass                | 606E | Yes   | Yes         | US4             |
| Bright Bronze              | 611E | Yes   | Yes         | US9             |
| Satin Bronze               | 612E | Yes   | Yes         | US10            |
| Oxidized Oil Rubbed Bronze | 613E | Yes   | Yes         | US10B           |
| Bright Chrome              | 625E | Yes   | Yes         | US26            |
| Satin Chrome               | 626E | Yes   | Yes         | US26D           |

\* When a plated finish is ordered, arm and cover will be plated unless "cover only" is specified. 3100/3300 - available with plated arm only.

## 3000 series | grade 1 door closer



### overview



### compliance standards

Series 3301 and 3501 door closers are designed to comply with requirements of the Americans with Disabilities Act (A.D.A.) and ANSI standard A117.1. All series 3301/3501 are ANSI/BHMA A156.4 Grade 1 certified. **BHMA** **UL** All Yale® series 3301/3501 closers with non-hold open arms are listed by Underwriters Laboratories for labeled fire doors. This includes compliance to UL10C for 3-hour assemblies. The product is manufactured in an ISO 9001 facility.

**CAUTION:** Door Closers for Low Opening Force Applications: Door closers installed in openings required to meet the requirements of The Americans with Disabilities Act or ANSI Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door.

### standard on all 3000 series closers

#### Features

- Exceeds 10 million cycles
- Cast aluminum body
- Adjustable spring sizes 1 through 6
- Tri-packed (regular arm, top jamb and parallel arm mounting)
- Non-handed
- Staked valves
- Rack & pinion design
- 1-1/4" (32mm) diameter piston
- 5/8" (16mm) diameter pinion journals
- Separate and independent, latch, sweep and backcheck intensity valves
- 2-1/8" (54mm) projection (standard covers)
- All standard arm applications (with slim, full or metal covers) allow doors to swing 180 degrees, conditions permitting

- 3301 - shipped with slim-line plastic cover
- 3501 - shipped with full cover
- 25-year limited warranty

#### Optional Features

- Metal and architectural covers (3500 or 3501 only)
- Heavy-duty arms: Regular Rigid, Parallel Rigid, Holder/Stop, Holder/Stop Spring, UNI Stop™
- Delayed action
- Lead-lined metal cover (suffix MLL)



## applications



Parallel



Top Jamb

### UNI Stop™ Arm

Can be used for either parallel arm or top jamb applications. *UNI Stop* arms combine the features of a double lever arm overhead door stop/holder with the backcheck feature of the door closer to reduce door stopping shock loads to a minimum. This arm uses a compression spring buffer at the soffit plate/arm shoe that absorbs 30 lbf. of force, 5° prior to the door's dead stop. The *UNI Stop* arm, coupled with the door closer's

backcheck feature, proves the most controlled stop available with a surface door closer.

For parallel arm applications there are three different length arm assemblies. Each length is designed for a specific range of door widths, to provide precise door control. This further lessens the dead stop impact on the door's hinges/pivots.



### Regular Arm

Allows closer to be installed where there is as little as 1" (25mm) of frame face ceiling clearance

### Low Profile Arm

Supplied with 3380/3580, 3381/3581 series door closers for non-hold open installations only. Low profile arms have a reduced height elbow joint and a straight main arm. This enables the door closer to be installed in less vertical space.

**Note:** *Low profile arm door closers are not supplied tri-packed.*



### Parallel Arm

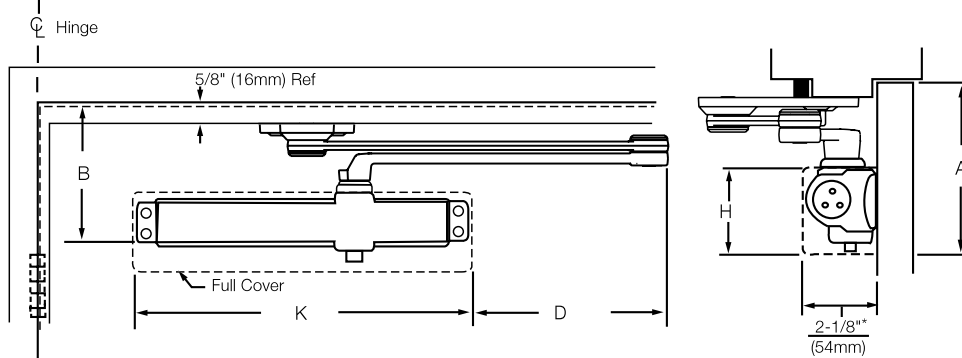
Allows closer to be installed 1/2" (13mm) higher up on door than standard parallel arm application.

## 3000 series | grade 1 door closer



### technical details

#### holder/stop arm



Mounting holes for closer body are spaced 3/4" (19mm) vertically x 12" (305mm) horizontally.  
Note: All measurements are Inches/mm.

| Closer Series | Covers            | B<br>Minimum Top Rail |                 | A<br>Minimum Top Rail<br>Clearance | K<br>Closer Length | H<br>Closer Height | D<br>Arm Extensions |
|---------------|-------------------|-----------------------|-----------------|------------------------------------|--------------------|--------------------|---------------------|
|               |                   | W/O Drop Plate        | With Drop Plate |                                    |                    |                    |                     |
| 3100          | No Cover          | 4-5/8"<br>(117)       | 2-3/8"<br>(60)  | 5-7/8"<br>(149)                    | 12-3/4"<br>(324)   | 2-7/8"<br>(73)     | 8"<br>(203)         |
| 3300          | Slim Line Plastic |                       |                 |                                    | 13"<br>(330)       |                    |                     |
| 3500          | Full Plastic      |                       |                 |                                    | 6-1/2"<br>(165)    |                    |                     |
| 3500M         | Metal             |                       |                 | 6"<br>(152)                        | 13-5/8"<br>(346)   | 3-7/8"<br>(98)     | 7-5/8"<br>(194)     |
| 3500A         | Arch. Plastic     |                       |                 | 5-7/8"<br>(149)                    | 14"<br>(356)       | 3-1/8"<br>(79)     | 7-1/2"<br>(191)     |
| 3500MA        | Arch. Metal       |                       |                 |                                    |                    | 3"<br>(76)         |                     |

| Door Size (Wood or Metal)<br>Inches (cm) |                       | Model Number |                |
|--|-----------------------|--------------|----------------|
| Interior                                 | Exterior              | Stop Only    | Hold Open      |
| 28" (71) - 32" (81)                      | N/A                   | 3321<br>3521 | 3321T<br>3521T |
| 33" (84) - 36" (91)                      | 28" (71) - 32" (81)   |              |                |
| 37" (94) - 41" (104)                     | 33" (84) - 36" (91)   |              |                |
| 42" (107) - 48" (122)                    | 37" (94) - 41" (104)  |              |                |
| N/A                                      | 42" (107) - 48" (122) |              |                |

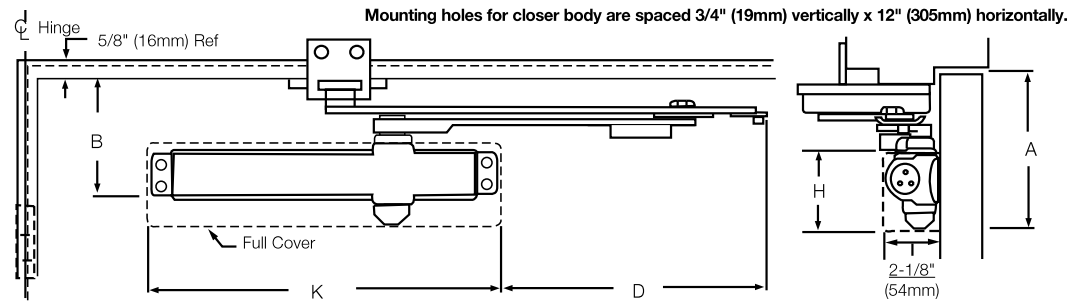
Note: 3301/3501 series door closers are set at midpower range from the factory and can be adjusted for door sizes noted above.  
\* Projection is for Slim Line or Full Covers. Projection for Metal Covers = 2-3/16" (56mm). Projection for Architectural Plastic & Architectural Metal Covers = 2-1/4" (57mm).



## 3000 series | grade 1 door closer

### technical details

#### uni stop™ - parallel arm



| Closer Series | Door Width | Covers            | B<br>Minimum Top Rail |                    | A<br>Minimum Top Rail<br>Clearance | K<br>Closer Length | H<br>Closer Height | D<br>Arm Extensions |
|---------------|------------|-------------------|-----------------------|--------------------|------------------------------------|--------------------|--------------------|---------------------|
|               |            |                   | W/O Drop<br>Plate     | With Drop<br>Plate |                                    |                    |                    |                     |
| 3300          | 28-32      | Slim Line Plastic | 4-3/4"<br>(121)       | 2-1/2"<br>(64)     | 5-3/4"<br>(146)                    | 13"<br>(330)       | 2-7/8"<br>(73)     | 8-3/8"<br>(213)     |
|               | 33-41      |                   |                       |                    |                                    |                    |                    | 9-7/8"<br>(251)     |
|               | 42-48      |                   |                       |                    |                                    |                    |                    | 11-1/4"<br>(286)    |
| 3500          | 28-32      | Full Plastic      |                       |                    | 6-3/8"<br>(162)                    | 13-5/8"<br>(346)   | 3-7/8"<br>(98)     | 8-3/8"<br>(213)     |
| 3500M         |            | Metal             |                       |                    |                                    |                    |                    | 8"<br>(203)         |
| 3500A         |            | Arch. Plastic     |                       |                    |                                    |                    |                    | 7-7/8"<br>(200)     |
| 3500MA        |            | Arch. Metal       |                       |                    |                                    |                    |                    | 7-1/2"<br>(191)     |
| 3500          | 33-41      | Full Plastic      |                       |                    | 5-3/4"<br>(146)                    | 13"<br>(330)       | 2-7/8"<br>(73)     | 9-7/8"<br>(251)     |
| 3500M         |            | Metal             |                       |                    |                                    |                    |                    | 9-1/2"<br>(241)     |
| 3500A         |            | Arch. Plastic     |                       |                    |                                    |                    |                    | 9-3/8"<br>(238)     |
| 3500MA        |            | Arch. Metal       |                       |                    |                                    |                    |                    | 9"<br>(229)         |
| 3500          | 42-48      | Full Plastic      |                       |                    | 5-3/4"<br>(146)                    | 13-5/8"<br>(346)   | 3-7/8"<br>(98)     | 11-1/4"<br>(286)    |
| 3500M         |            | Metal             |                       |                    |                                    |                    |                    | 10-7/8"<br>(276)    |
| 3500A         |            | Arch. Plastic     |                       |                    |                                    |                    |                    | 10-3/4"<br>(273)    |
| 3500MA        |            | Arch. Metal       |                       |                    |                                    |                    |                    | 10-3/8"<br>(264)    |

| Door Widths (Wood or Metal)<br>Inches (cm) |                       | Model Number       |                    | x Specify Door<br>Width |
|--|-----------------------|--------------------|--------------------|-------------------------|
| Interior                                   | Exterior              | Stop Only          | Hold Open          |                         |
| 28" (71) - 32" (81)                        | N/A                   | UNI3301<br>UNI3501 | UNI3311<br>UNI3511 |                         |
| 33" (83) - 36" (91)                        | 28" (71) - 32" (81)   |                    |                    |                         |
| 37" (94) - 41" (104)                       | 33" (83) - 36" (91)   |                    |                    |                         |
| 42" (107) - 48" (122)                      | 37" (94) - 41" (104)  |                    |                    |                         |
| N/A  | 42" (107) - 48" (122) |                    |                    |                         |



accessories

uni stop™ arm

| CLOSER MOUNTING PLATES PARALLEL ARM                |   |
|--|---|
|  | <b>Narrow Top Rail - #3148 Drop Plate:</b> For use where a narrow top rail prevents the closer from being mounted directly to the door surface. This drop plate can be used to mount a closer on a top rail as narrow as 2-7/16" (62mm) in height.  |
| FULL COVER INSTALLATIONS                           |   |
|  | <b>Exposed Back - #3445 Molded Full Cover Decorative Back Plate:</b> For use on doors with glass lights where a closer with molded full cover is installed and the closer back is exposed. This plate covers the back of the installation to give a pleasing appearance from the reverse side.  |
|  | <b>Exposed Back/Narrow Top Rail - #3158 Molded Full Cover Drop Plate:</b> For use on doors with glass lights where a closer with molded full cover is installed and the back of the closer is exposed. This covers the back of the installation and gives a pleasing appearance from the reverse side.  |
| METAL COVER INSTALLATIONS                          |   |
|  | <b>Exposed Back - #3545 Metal Full Cover Decorative Back Plate:</b> For use on doors with glass lights where a closer with full metal cover is installed and the back of the closer is exposed. This plate covers the back of the installation and gives a pleasing appearance from the reverse side.   |
|  | <b>Exposed Back/Narrow Top Rail - #3548 Metal Full Cover Drop Plate:</b> For use on doors with glass lights where a closer with metal full cover is installed on a narrow top rail, and the back of the cover is exposed. This drop plate can be used to mount a closer on a top rail as narrow as 2-9/16" (65mm) in height. This plate covers the back of the installation and gives a pleasing appearance from the reverse side.  |
| ARCHITECTURAL PLASTIC OR METAL COVER INSTALLATIONS |   |
|  | <b>Exposed Back - #3545A Architectural Plastic or Architectural Metal Cover Decorative Back Plate:</b> For use on doors with glass lights where a closer with an architectural plastic or metal cover is installed and the closer back is exposed. This plate covers the back of the installation to give a pleasing appearance from the reverse side.  |
|  | <b>Exposed Back/Narrow Top Rail - #3548A Architectural Plastic or Architectural Plastic or Architectural Metal Cover Drop Plate:</b> For use on doors with glass lights where a closer with an architectural plastic or metal cover is installed on a narrow top rail, and the back of the cover is exposed. This drop plate can be used to mount a closer on a top rail as narrow as 2-7/16" (62mm) in height. This plate covers the back of the installation to give a pleasing appearance from the reverse side. |

Note: All measurements are Inches/mm.



# 4400 Series

Institutional Door Closer

An ASSA ABLOY Group brand

**ASSA ABLOY**



Panda Express  
Proto 2018

Submittal Date: 06/13/18



## the engineer's choice

Yale's 4400 Series Institutional Door Closers offer customers the ideal combination of superior performance, quality and strength. With upgraded pinion and piston materials, improved valve design, and staked valves, the closers are the most efficient, dependable closers in the industry. The size 1-6 spring also simplifies the process of specifying and ordering product.

This U.L. listed, ANSI/BHMA Grade 1 certified closer has a proven history. It is an ideal choice for interior or exterior doors in facilities that demand reliability such as schools, office buildings, hospitals, department stores and airports.

## finishes

Product will be painted with a combination of waterborne acrylic and polyester powder coat. Closers will withstand 100 hours of salt spray. (ANSI requires 25 hours.)

## contents

|                                |       |
|--------------------------------|-------|
| Overview .....                 | 3     |
| Fasteners and Features .....   | 4-5   |
| Optional Features .....        | 5-6   |
| Suggested Specifications ..... | 7     |
| Applications .....             | 8-12  |
| Technical Details .....        | 13-23 |
| Accessories .....              | 24-31 |
| Parts List .....               | 32-45 |
| How To Order .....             | 46-47 |

### Sprayed Finishes

| Description         | Specify Designation (ANSI/BHMA) | Complements the following finishes | Old Designation |
|---------------------|---------------------------------|------------------------------------|-----------------|
| Aluminum            | 689                             | 625, 628, 629, 630, 651, 652       | SB              |
| Statuary Bronze     | 690                             | 613, 640, 695                      | STAT            |
| Dull Bronze         | 691                             | 612, 637, 639                      | BL              |
| Black               | 693                             | 315                                | 315             |
| Medium Amber        | 694                             | 312                                | 312             |
| Gold                | 696                             | 605, 606, 632, 633                 | GB              |
| Prime Coat (Beige)* | 600                             | —                                  | SRI             |

\*600 is a special rust-inhibiting prime coat. Closers can be ordered prime coat only (specify closer x 600). An additional charge applies if finish coat is required over prime coat (ex: 4400 x 600 x 689).

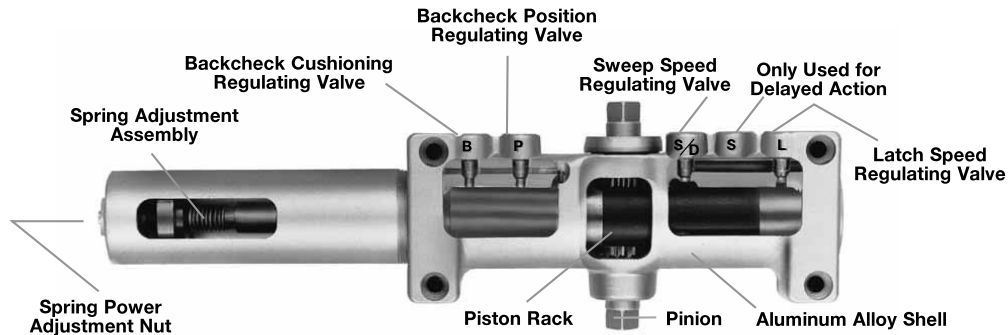
| Plated Finishes            |      | Metal Covers Only | Old Designation |
|----------------------------|------|-------------------|-----------------|
| Bright Brass               | 605E | Yes               | US3             |
| Satin Brass                | 606E | Yes               | US4             |
| Bright Bronze              | 611E | Yes               | US9             |
| Satin Bronze               | 612E | Yes               | US10            |
| Oxidized Oil Rubbed Bronze | 613E | Yes               | US10B           |
| Bright Chrome              | 625E | Yes               | US26            |
| Satin Chrome               | 626E | Yes               | US26D           |

\* When a plated finish is ordered, arm and cover will be plated unless "cover only" is specified.



## overview

### cutaway view



### compliance standards

- 4400 Series door closers are designed to comply with requirements of the Americans with Disabilities Act (A.D.A.) and ANSI standard A117.1. All series 4400 are ANSI/BHMA A156.4, Grade 1 certified. **BHMA**
- All Yale® series 4400 closers with non-hold open arms are listed by Underwriters Laboratories for labeled fire doors. This includes compliance to UL10C and for 3-hour assemblies. The product is manufactured in an ISO 9001 facility.

### CAUTION: Door Closers for Low Opening Force Applications

Door closers installed in opening required of The Americans with Disabilities Act or ANSI Standard A117.1, when adjusted to meet those requirements, may not provide adequate closing power to dependably close and latch the door.

### standard features

- Exceeds 10 million cycles
- Cast aluminum body
- Adjustable spring sizes 1 through 6 (ADA Compliant)
- Tri-packed (regular arm, top jamb, and parallel arm mounting)
- Rack and pinion body
- Staked valves
- Separate and independent, latch, sweep and backcheck intensity valves
- Non-handed
- 1-1/2" (38mm) diameter piston
- 5/8" (16mm) diameter pinion journals
- 2-1/8" (54mm) projection (standard covers)
- All standard arm applications allow doors to swing 180°, conditions permitting
- 25-year limited warranty
- Self-drilling screws

- Molded plastic cover
- Backcheck positioning valve
- Full-size template

### optional features

- Corrosion-resistant model (Non-Hold Open only) (4400S only)
- Metal cover
- Enhanced backcheck (specify EBC suffix)
- Delayed action with pressure relief valve
- Heavy-duty arms: Regular Rigid, Parallel Rigid, Holder/Stop, Holder/Stop Spring, UNI Stop™
- Slide Tracks: push or pull side mounting
- Lead-lined metal cover (specify MLL suffix)

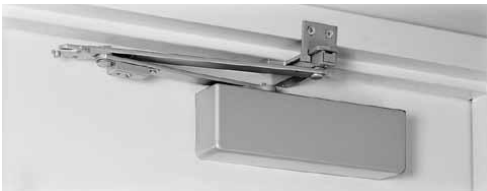


## applications



### Regular Rigid Heavy-Duty Arm

This double lever arm features a non-adjustable secondary arm. Orbitally riveted joints prevent tampering or disassembly. The rigid heavy-duty arm is standard with the security closers featuring a regular arm (SCR4400 or SCR400) but is also available with standard product. Prefix "R" to model number. Available non-hold open only.



Parallel arm



Top jamb

### UNI Stop™ Arm

Can be used for either parallel arm or top jamb applications. *UNI Stop* arms combine the features of a double lever arm overhead door stop/holder with the backcheck feature of the door closer to reduce door stopping shock loads to a minimum. The *UNI Stop* uses a compression spring buffer at the soffit plate/arm shoe that will absorb 30 lbf. of force, 5° prior to the door's dead stop. Coupled with the door closer's backcheck feature, this arm provides the most controlled stop available with a surface door closer.

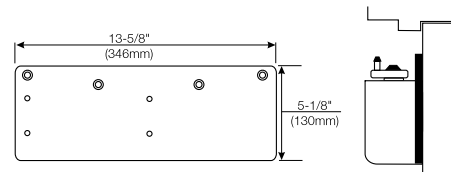
For parallel arm applications there are three different length arm assemblies. Each length is designed for a specific range of door widths to provide precise door control. This further lessens the dead stop impact on the door's hinges/pivots.



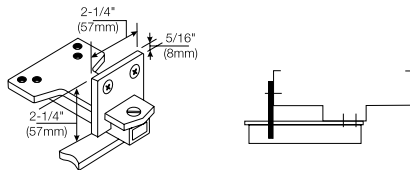
## uni stop™ arm

### closer mounting plate (for parallel arm)

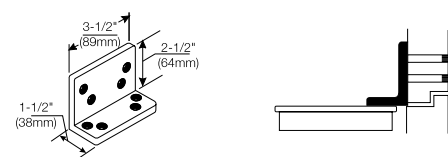
**Narrow Top Rail - #488 Drop Plate:** For use where a narrow top rail prevents the closer from being mounted directly to the door surface. This drop plate can be used to mount a closer on a top rail as narrow as 2-3/8" (60mm) in height.



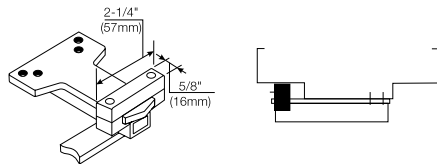
### soffit plate reinforcing brackets (for parallel arm)



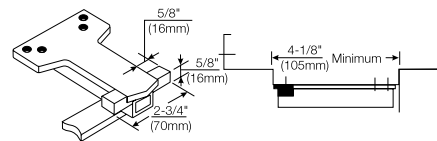
**Additional Support - #6190 Reinforcing Bracket:** Standard for use with all Parallel Arm *UNI Stop* Door Controls. Provides additional support to the soffit plate on installations with door frame reveals from 1-7/8" to 4-5/8" (48 to 117mm).



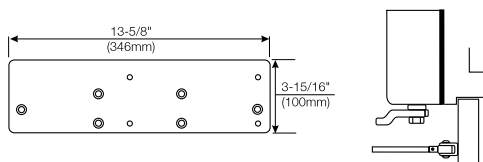
**Flush Rabbeted Transom - #589L Angle Bracket:** Optional for use with all Parallel Arm *UNI Stop* Door Controls. For use where rabbeted or flush transom conditions prevent installation of the soffit plate assembly. This bracket fastens to the overhead transom to provide a mounting surface for the soffit plate assembly.



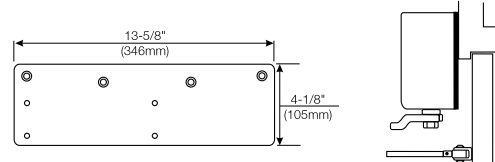
**Wide Frame - #6191 Reinforcing Kit:** Optional for use with all Parallel Arm *UNI Stop* Door Controls. Used to support the soffit plate on installations with wide frames. Clamps may be used with or without the spacer block, depending on frame conditions.



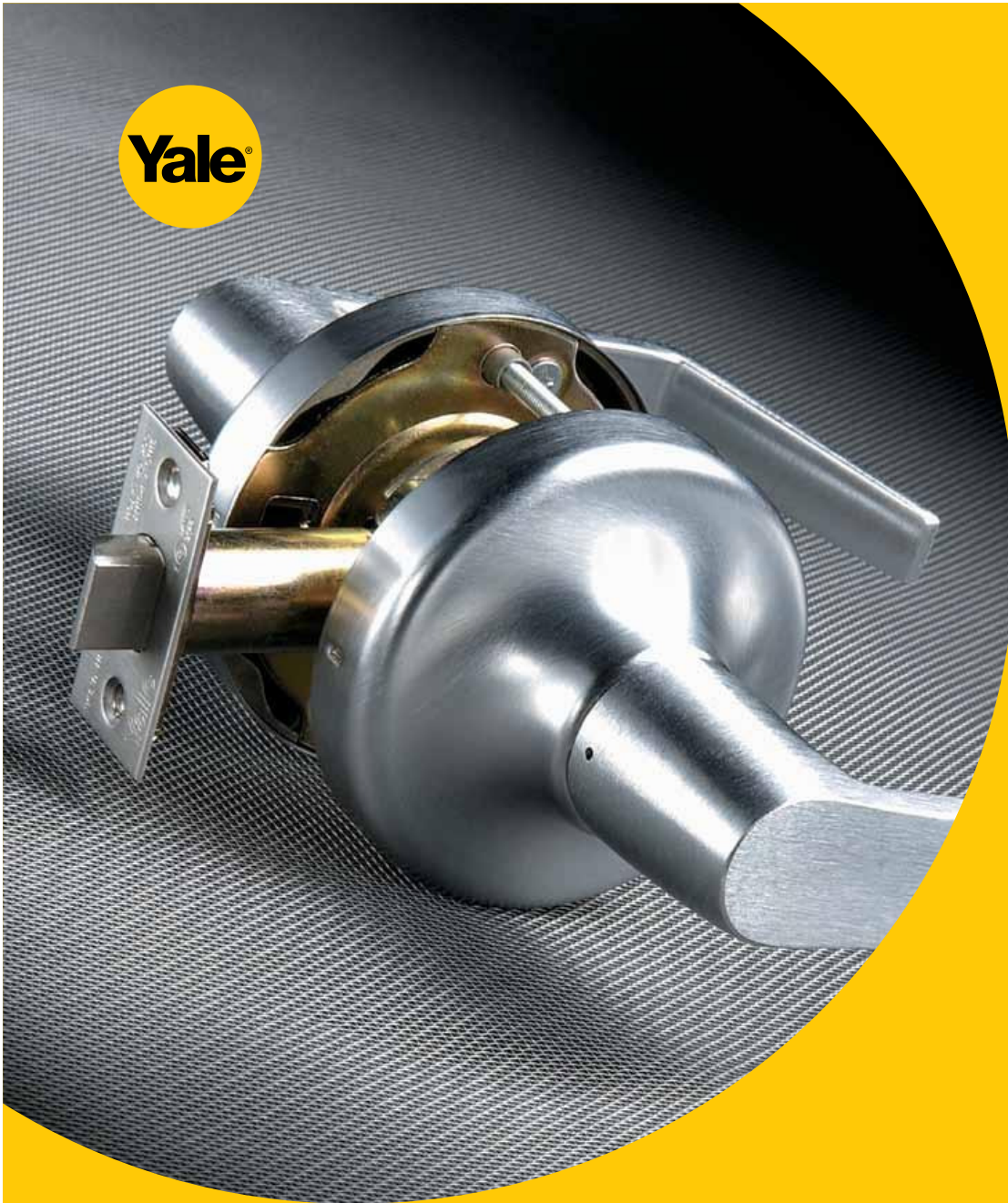
### closer mounting plates (for top jamb)



**Standard Installation - #486 Back Plate:** Can be mounted where a frame face is as narrow as 1-5/8" (41mm) in height.



**Minimum Ceiling Clearance - #487 Drop Plate:** For use where the ceiling clearance is as little as 1-7/8" (48mm).



# 5300LN Series

Grade 2 Cylindrical Lever Locks

An ASSA ABLOY Group brand

**ASSA ABLOY**



Panda Express  
Proto 2018

Submittal Date: 06/13/18



## innovation and inspiration

Thanks to state-of-the-art engineering and innovative thinking, the 5300LN is truly a source of inspiration. With three lever designs and a choice of twelve different finishes, you have the freedom and ability to match any décor.

But looks aren't everything. This revolutionary Grade 2 cylindrical lockset boasts design features such as a vandal-resistant Free Wheeling lever mechanism and adjustable door thickness (Patent #6,131,970) that makes installation a breeze. Through-bolting gives the 5300LN a secure fit that resists shaking and rattling. And with a lifetime warranty against lever sag, you never have to worry about your pleasing aesthetics becoming a displeasing eyesore.

### A.D.A.

The 5300LN meets accessibility guidelines of the Americans with Disabilities Act and the requirements of the Uniform Federal Accessibility Standards and ANSI 117.1, all requiring ease of accessibility for the handicapped.

### door thickness

Patented (patent no. 6,131,970) door adjustable rose support plates allow the 5300LN to easily adjust to doors from 1-3/4" (44mm) to 2" (51mm) thick. For 1-3/8" (35mm) or 2-1/4" (57mm) thick doors, please specify door thickness on order.

### installation

5300LN series cylindrical locks conform to ANSI/BHMA Specifications A156.115 which cover hardware preparations for steel doors and steel frames and A156.115-W which cover hardware preparations for wood doors with wood or steel frames.

### ISO 9001

Designed and manufactured under a certified ISO 9001 quality system.

### ANSI/BHMA

Certified ANSI/BHMA A156.2, Series 4000 Grade 2.



### free wheeling lever trim

All 5300LN functions feature the Free



Wheeling lever mechanism. When the outside lever is locked, it will rotate freely up and down while remaining securely locked.

### microshield®

5300LN series locks are available with *MicroShield* antimicrobial coating. *MicroShield* is a revolutionary hardware finish coating, using a silver ion based technology, which inhibits the growth of bacteria, algae, yeast, fungus, mold and mildew. *MicroShield* is non-toxic and lasts for the lifetime of the finish to which it is applied. To order, suffix option code "YMS". Available for 626 finish, additional finishes by special application. Contact factory for availability.

Note: *MicroShield* coating may vary finish color from architectural standards. *MicroShield* is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated products must still be cleaned to insure the surfaces will be free of destructive microbes. Yale makes no representations or warranties, express or implied, as to the efficacy of *MicroShield*.

## contents

|                            |       |
|----------------------------|-------|
| Introduction .....         | 2     |
| Features .....             | 3     |
| Lever Designs.....         | 4     |
| Functions .....            | 5-7   |
| SecureX® .....             | 8     |
| SecureX® Accessories ..... | 9     |
| Cylinders .....            | 10-11 |
| Latchbolts .....           | 12    |
| Strikes .....              | 13    |
| Ordering Information.....  | 14    |
| Sample Specification ..... | 15    |

## fire listings

All functions are UL - cUL Fire Listed for use on fire doors having a rating up to and including 3 hours.

Note: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Yale Locks & Hardware 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.

## finishes

| ANSI/BHMA Code | Finish Description   |
|----------------|--|
| 605            | Bright Brass, Clear Coated                                   |
| 606            | Satin Brass, Clear Coated                                    |
| 609            | Satin Brass, Blackened, Satin Relieved, Clear Coated         |
| 612            | Satin Bronze, Clear Coated                                   |
| 613            | Satin Bronze, Oxidized and Oil Rubbed <sup>1</sup>           |
| 616            | Satin Bronze, Blackened, Satin Relieved, Clear Coated        |
| 619            | Satin Nickel Plated, Clear Coated                            |
| 620            | Satin Nickel Plated, Blackened, Satin Relieved, Clear Coated |
| 625            | Bright Chrome Plated   |
| 626            | Satin Chrome Plated  |
| 693            | Black Powder Coat  |
| 722            | Black Oxidized Bronze, Oil Rubbed <sup>2</sup>               |

1. New May 1, 2010  
2. Formerly 613 prior to May 1, 2010



## features

### warranty

The 5300LN Series cylindrical lever lock carries a five-year warranty. Likewise, the 5300LN carries a lifetime warranty against lever sag and lever spring breakage.

### windstorm

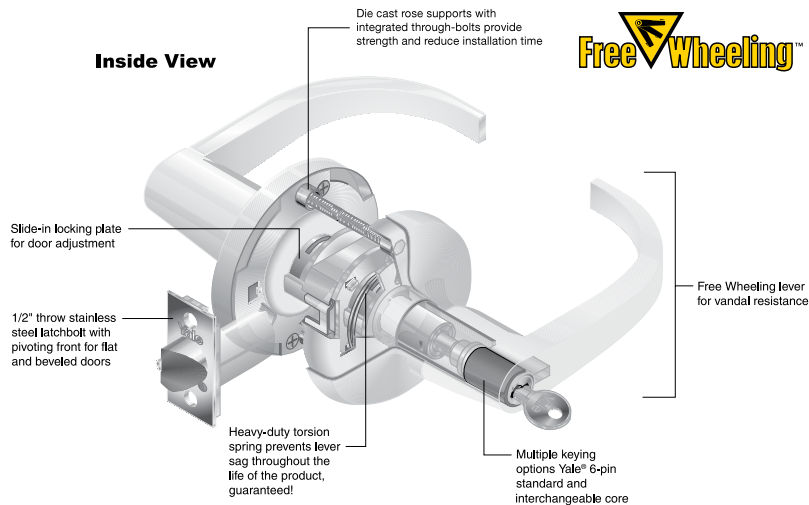
Certified (refer to local codes).



Hurricane

### full featured grade 2 key-in-lever lockset offering

- Free Wheeling lever mechanism for increased vandal resistance
- 12 finish options
- 3 lever designs
- 19 mechanical functions, 4 electrified
- Adjustable door thickness: (Patent #6,131,970)
  - Pre-assembled for 1-3/8" (35mm) and 1-3/4" (44mm) doors
  - Preset at factory for 1-3/4" (44mm)
  - Special order available for 2" (51mm), 2-1/4" (57mm)
- 3-1/2" rose covers ANSI/BHMA door prep A156.115 "Spider Cut Out"
- Through-bolts solidly through the door, providing greater stability
- Wide range of Yale® 6-pin cylinder options:
  - Standard, Interchangeable core, Security and Yale® KeyMark® protected keyway cylinders (see page 10)
- Competitive keying options:
  - Standard cylinders with Schlage® C and Sargent® LA keyways
  - Levers which accept interchangeable core cylinders by Best®, Schlage®, Medeco® and ASSA®
  - Levers which accept standard cylinders by Schlage®
- Lifetime warranty against lever sag and lever spring breakage



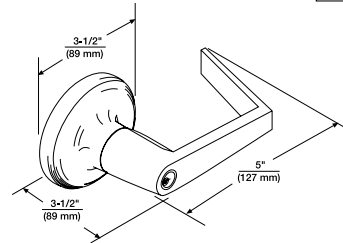


## 5300LN series | cylindrical lever locks

### lever designs

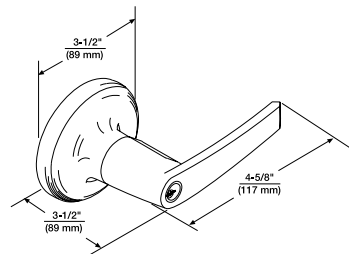
#### Augusta AU

**Lever:** Cast Zinc  
**Rose:** Cold Forged Brass, Bronze



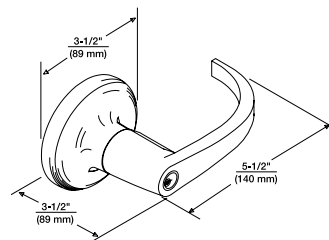
#### Monroe MO

**Lever:** Cast Zinc  
**Rose:** Cold Forged Brass, Bronze



#### Pacific Beach PB

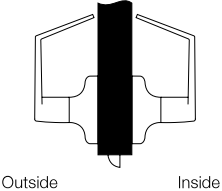
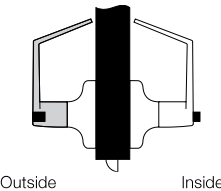
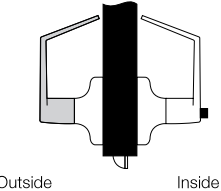
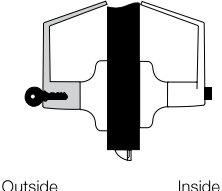
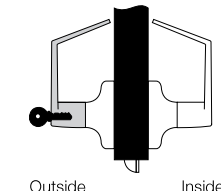
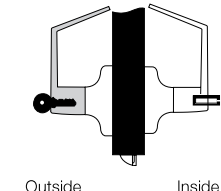
**Lever:** Cast Zinc  
**Rose:** Cold Forged Brass, Bronze



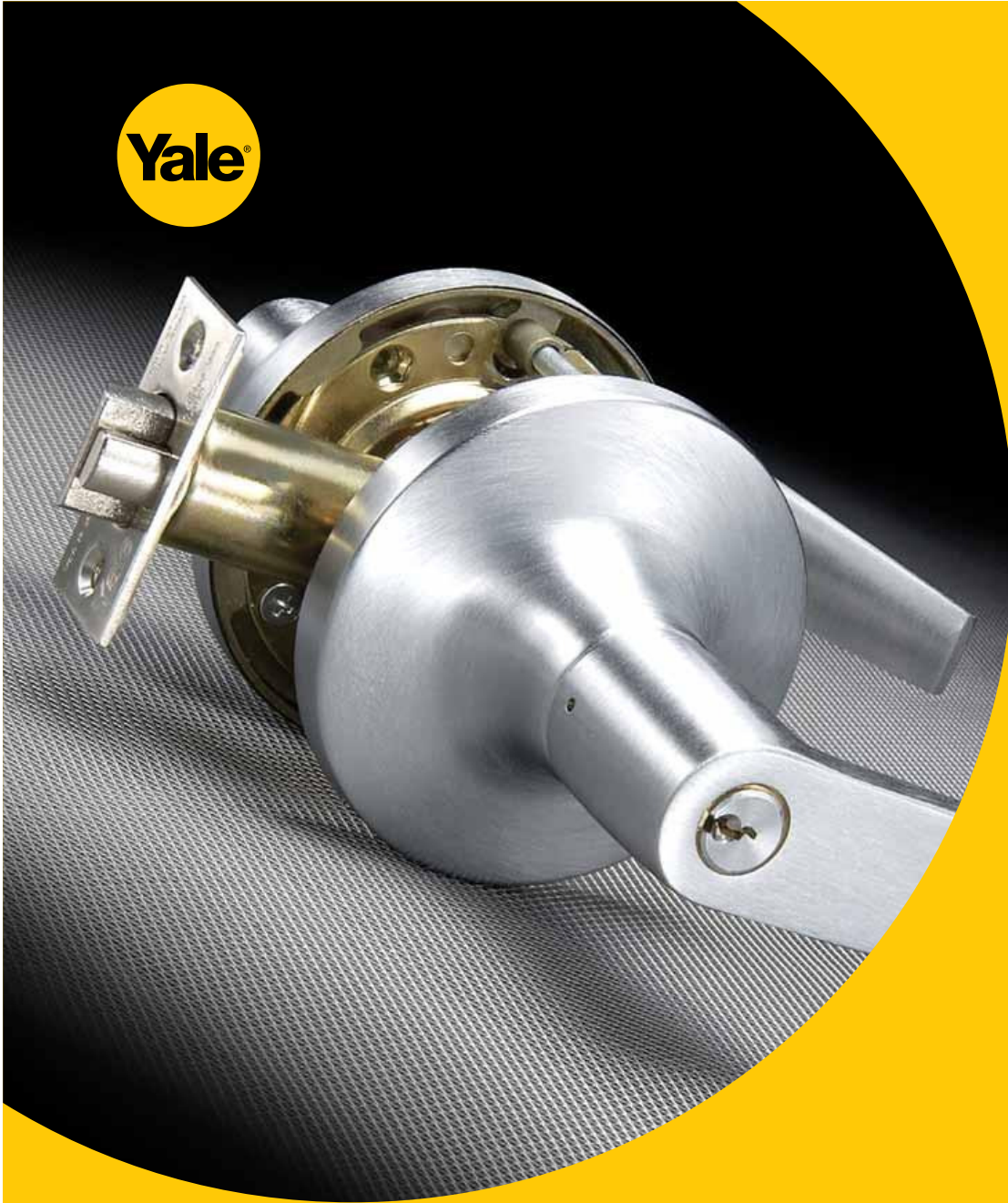
See page 10 & 11 to order interchangeable core cylinder.  
Dimensions are in inches (millimeters).



## functions

|  |   |   |
|--|---|---|
| <p><b>5301LN (F75)</b></p> <p><b>Passage or Closet Latch</b></p> <ul style="list-style-type: none"> <li>For doors that do not require locking.</li> <li>Either knob operates latchbolt at all times.</li> </ul>  <p>Outside      Inside</p>   | <p><b>5302LN (F76B)</b></p> <p><b>Privacy, Bedroom or Bath Lock</b></p> <ul style="list-style-type: none"> <li>For lavatory or other privacy doors.</li> <li>Either lever operates latchbolt unless outside lever is locked by pushbutton inside.*</li> <li>Button automatically releases when inside lever is turned or door is closed.</li> <li>Emergency release in outside lever. Emergency key supplied. (P/N 14-5302-1053)</li> <li>Inside lever always active.</li> </ul>  <p>Outside      Inside</p> | <p><b>5303LN (F77B)</b></p> <p><b>Patio or Privacy Lock</b></p> <ul style="list-style-type: none"> <li>For exit doors with limited entry.</li> <li>Deadlocking latchbolt.</li> <li>Either lever operates latchbolt unless outside lever is locked by pushbutton inside.*</li> <li>Button automatically releases when inside lever is turned or door is closed.</li> <li>Inside lever always active.</li> </ul>  <p>Outside      Inside</p>   |
| <p><b>5304LN (F82B)</b></p> <p><b>Entry Lock</b></p> <ul style="list-style-type: none"> <li>For entrance or office doors.</li> <li>Deadlocking latchbolt.</li> <li>Either lever operates latchbolt (except when outside lever is locked from inside).*</li> <li>Pushing button in inside lever locks outside lever. (Automatically releases when inside lever is turned or key is rotated in locked outside lever.)</li> <li>Latchbolt is operated by key in outside lever or by rotating inside lever.</li> <li>Inside lever always active.</li> </ul>  <p>Outside      Inside</p> | <p><b>5305LN (F86)</b></p> <p><b>Storeroom or Closet Lock</b></p> <ul style="list-style-type: none"> <li>For use on storeroom, utility, exit doors.</li> <li>Deadlocking latchbolt.</li> <li>Latchbolt operated by lever inside, key in outside lever.</li> <li>Outside lever always locked.*</li> </ul>  <p>Outside      Inside</p>   | <p><b>5306LN (F92)</b></p> <p><b>Service Station Lock</b></p> <ul style="list-style-type: none"> <li>Deadlocking latchbolt.</li> <li>Either lever operates latchbolt.</li> <li>Pushbutton in inside lever locks outside lever. (Automatically releases when inside lever is turned, door is closed or key is rotated in outside lever, except when slotted pushbutton is rotated 90° clockwise to retain outside lever in locked position.)*</li> <li>Latchbolt operated by key in outside lever, inside lever always active.</li> </ul>  <p>Outside      Inside</p> |

\*Lever handles are Free Wheeling in locked position. Shaded area denotes Free Wheeling lever.



# 5400LN Series

Grade 1 Cylindrical Lever Locks

An ASSA ABLOY Group brand

**ASSA ABLOY**



Panda Express  
Proto 2018

Submittal Date: 06/13/18



## rugged yet refined

Designed for industrial, commercial and institutional use, the Yale® 5400LN Series heavy-duty cylindrical lockset offers no compromise when it comes to rugged reliability and performance. With key construction features such as our Free Wheeling lever mechanism, wear-resistant chassis plates, heavy-duty lever return springs and through-bolting, this Grade 1 trendsetter proves time and again why it's the favorite among architects and building owners who demand the highest standard of product quality.

And who says a lockset can't be tough and look good at the same time? The 5400LN features three aesthetic lever designs and a diverse line of eleven architectural finishes, which allow the freedom of enhancing any décor. With a lifetime warranty against lever sag and lever spring breakage, you'll never have to worry about your intended attraction becoming an unintended distraction.

### A.D.A.

The 5400LN meets accessibility guidelines of the Americans with Disabilities Act and the requirements of the Uniform Federal Accessibility Standards and ANSI 117.1, all requiring ease of accessibility for the handicapped.

### free wheeling lever trim

All 5400LN locking functions feature the



Free Wheeling lever mechanism. When the outside lever is locked, it will rotate freely up and down while remaining securely locked.

### installation

5400LN Series Cylindrical Locks conform to ANSI/BHMA Specifications A156.115 which cover hardware preparations for steel doors and steel frames and A156.115-W which cover hardware preparations for wood doors with wood or steel frames.

### windstorm

Certified (refer to local codes). 5400LN Series can be provided to meet FEMA 320 standards. See page 14 for How to Order.



Hurricane



Tornado

### knurled designs

Where required by the local authority, 5400LN trim can be knurled to be identifiable to the touch for blind persons. All lever designs in all finishes may be ordered knurled. Only the outside lever will be knurled unless specified otherwise.

### warranty

The 5400LN Series cylindrical lever lock carries a seven-year warranty. Likewise, the 5400LN carries a lifetime warranty against lever sag and lever spring breakage.

### iso 9001

Designed and manufactured under a certified ISO 9001 quality system.

### microshield®

5400LN Series Locks are available with *MicroShield* antimicrobial coating.

*MicroShield* is a revolutionary hardware finish coating, using a silver ion based technology, which inhibits the growth of bacteria, algae, yeast, fungus, mold and mildew.

To order, suffix option code "YMS". Available for 626 finish, additional finishes by special application. Contact factory for availability.



Note: *MicroShield* coating may vary finish color from architectural standards. *MicroShield* is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated products must still be cleaned to insure the surfaces will be free of destructive microbes. Yale makes no representations or warranties, express or implied, as to the efficacy of *MicroShield*.

### contents

|                            |       |
|----------------------------|-------|
| Introduction .....         | 2     |
| Features .....             | 3     |
| Lever Designs .....        | 4     |
| Functions .....            | 5-7   |
| SecureX® .....             | 8     |
| SecureX® Accessories ..... | 9     |
| Cylinders .....            | 10-11 |
| Latchbolts .....           | 12    |
| Strikes .....              | 13    |
| Ordering Information ..... | 14    |
| Sample Specification ..... | 15    |

### finishes

| ANSI/<br>BHMA<br>Code | Finish Description   |
|-----------------------|--|
| 605                   | Bright Brass, Clear Coated                                   |
| 606                   | Satin Brass, Clear Coated                                    |
| 609                   | Satin Brass, Blackened, Satin Relieved, Clear Coated         |
| 612                   | Satin Bronze, Clear Coated                                   |
| 613                   | Dark Oxidized Satin Bronze, Oil Rubbed <sup>1</sup>          |
| 616                   | Satin Bronze, Blackened, Satin Relieved, Clear Coated        |
| 619                   | Satin Nickel Plated, Clear Coated                            |
| 620                   | Satin Nickel Plated, Blackened, Satin Relieved, Clear Coated |
| 625                   | Bright Chrome Plated   |
| 626                   | Satin Chrome Plated  |
| 693                   | Black Painted  |
| 722                   | Black Oxidized Bronze, Oil Rubbed <sup>2</sup>               |

1. New May 1, 2010

2. Formerly 613 prior to May 1, 2010



## features

### door thickness

Patented (patent no. 6,131,970) door adjustable rose support plates allow the 5400LN to easily adjust to doors from 1-3/4" to 2" thick. It can also be used on 1-3/8" thick doors by adding two spacer plates P/N 14-5401-6644. For 2-1/4" thick doors, please specify door thickness on order.

### ANSI/BHMA

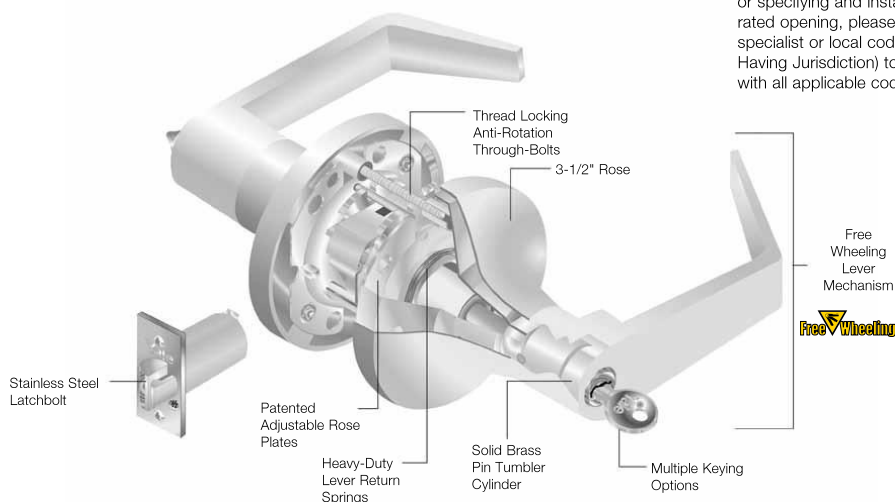
Certified ANSI/BHMA A156.2, Series 4000 Grade 1.



### fire listings

UL - cUL Fire Label for all door functions up to 3 hours.

Note: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Yale Locks & Hardware 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.



### full-featured grade 1 lever lockset offering

- Free Wheeling lever mechanism increases vandal resistance and reduces the amount of maintenance typically required of locksets with rigid levers.
- 12 finish options.
- 3 lever designs.
- 24 functions including electrified.
- Stainless steel latchbolt provides added strength and wear resistance. Direct 1/2" throw is standard.
- A 3/4" latch throw for fire-rated or pairs of doors is available.
- Wear-resistant plates in the chassis help extend the life of the lockbody and provide smoother lock operation.
- Longer thread locking through-bolts through the chassis provide greater stability and prevent rotation.
- Lifetime warranted heavy-duty lever return springs prevent lever sag and provide positive return of lever to horizontal position.
- Patented (patent no. 6,131,970) door adjustable rose support plates allow for easy adjustment of lockset to fit doors ranging in thickness from 1-3/4" to 2". Rose spacers available for 1-3/8" thick doors.
- Three non-handed lever options (Augusta, Monroe, and Pacific Beach) comply with ADA requirements for easy gripping and operation.
- Expanded cylinder and keying options:
  - Yale® 6- and 7-pin standard and interchangeable core cylinders including Yale® KeyMark® protected keyway cylinders (see page 11).
  - Standard cylinders with Schlage® C and Sargent® LA keyways. Small format interchangeable cores with Best® keyways.
  - Levers which accept interchangeable core cylinders by Best®, Schlage®, ASSA® and Medeco®.
- 3-1/2" roses cover ANSI/BHMA hollow metal door cutout.

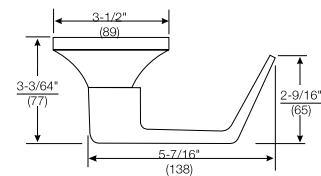


## 5400LN series | cylindrical lever locks

### lever designs

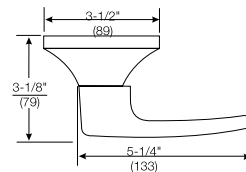
#### Augusta AU

**Lever:** Cast Zinc  
**Rose:** Cold Forged Brass, Bronze



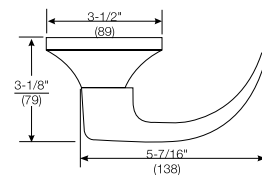
#### Monroe MO

**Lever:** Cast Zinc  
**Rose:** Cold Forged Brass, Bronze



#### Pacific Beach PB

**Lever:** Cast Zinc  
**Rose:** Cold Forged Brass, Bronze

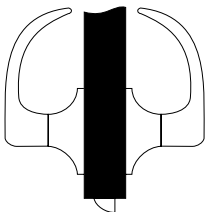
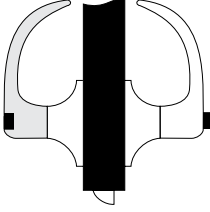
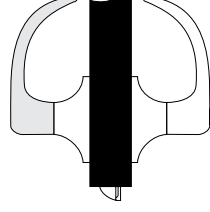
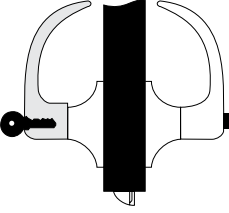
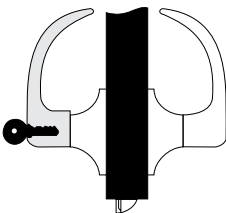
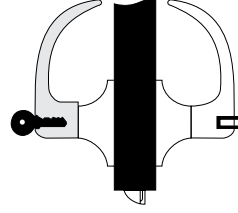


Dimensions are shown in inches (millimeters).

See page 10 and 11 for interchangeable core cylinder order options.



## functions

|  |  |   |
|--|--|---|
| <p><b>5401LN (F75)</b></p> <p><b>Passage or Closet Latch</b></p> <ul style="list-style-type: none"> <li>For doors that do not require locking.</li> <li>Either lever operates latchbolt at all times.</li> </ul>  <p>Outside      Inside</p>  | <p><b>5402LN (F76A)</b></p> <p><b>Privacy, Bedroom or Bath Lock</b></p> <ul style="list-style-type: none"> <li>For lavatory or other privacy doors.</li> <li>Either lever operates latchbolt unless outside lever is locked by pushbutton inside.*</li> <li>Button automatically releases when inside lever is turned or door is closed.</li> <li>Emergency release in outside lever. Emergency key supplied. (PN 14-5302-1053-048)</li> <li>Inside lever always active.</li> </ul>  <p>Outside      Inside</p> | <p><b>5403LN (F77A)</b></p> <p><b>Patio or Privacy Lock</b></p> <ul style="list-style-type: none"> <li>For exit doors with limited entry.</li> <li>Deadlocking latchbolt.</li> <li>Either lever operates latchbolt unless outside lever is locked by pushbutton inside.*</li> <li>Button automatically releases when inside lever is turned or door is closed.</li> <li>Inside lever always active.</li> </ul>  <p>Outside      Inside</p>   |
| <p><b>5404LN (F82A)</b></p> <p><b>Entry Lock</b></p> <ul style="list-style-type: none"> <li>For entrance or office doors.</li> <li>Deadlocking latchbolt.</li> <li>Either lever operates latchbolt (except when outside lever is locked from inside).*</li> <li>Pushing button in inside lever locks outside lever. (Automatically releases when inside lever is turned or key is rotated in locked outside lever.)</li> <li>Latchbolt is operated by key in outside lever or by rotating inside lever.</li> <li>Inside lever always active.</li> </ul>  <p>Outside      Inside</p> | <p><b>5405LN (F86)</b></p> <p><b>Storeroom or Closet Lock</b></p> <ul style="list-style-type: none"> <li>For use on storeroom, utility, and exit doors.</li> <li>Deadlocking latchbolt.</li> <li>Latchbolt operated by lever inside, key in outside lever.</li> <li>Outside lever always locked.*</li> <li>Inside lever always active.</li> </ul>  <p>Outside      Inside</p>   | <p><b>5406LN (F92)</b></p> <p><b>Service Station Lock</b></p> <ul style="list-style-type: none"> <li>Deadlocking latchbolt.</li> <li>Either lever operates latchbolt.</li> <li>Pushbutton in inside lever locks outside lever. (Automatically releases when inside lever is turned, door is closed or key is rotated in outside lever, except when slotted pushbutton is rotated 90° clockwise to retain outside lever in locked position).*</li> <li>Latchbolt operated by key in outside lever, inside lever always active.</li> </ul>  <p>Outside      Inside</p> |

\* Lever handles are Free-Whelling in locked position. Shaded area denotes FreeWhelling lever.



# 7000 Series

Architectural Exit Devices

An ASSA ABLOY Group brand

**ASSA ABLOY**



Panda Express  
Proto 2018

Submittal Date: 06/13/18



## 7000 series | architectural exit devices

## introduction

Yale® 7000 series exit devices deliver an unparalleled combination of durability, breadth of line, innovation and aesthetics.

As the most recognized name in the door hardware industry, Yale offers a proven selection of hard-working exit devices. The simple, clean lines of our wide and narrow stile devices are visually appealing and bring a gracious totality to the Yale line of locks and hardware.

To meet electronic access control needs, Yale 7000 series exit devices come with a full array of electromechanical options and accessories. The 7000 series can be effortlessly integrated into existing security or fire alarm systems to ensure every opening is safeguarded.

Today's architecture stresses the safety and security of a building's contents, the most important of these being people. Reducing the consequences of potential risks is the goal of any designer. By mounting panic and fire exit devices, vandals are deterred, but swift, unobstructed egress is permitted. Yale 7000 series exit devices meet life safety codes and fire safety requirements, allowing for local ordinances to be met and allowing peace of mind for the people inside.

## 7000 series features

**Durability**

- Steel chassis and heavy-duty components for superior strength, robustness and lower maintenance

**Breadth and Innovation**

- Full range of mechanical and electromechanical options for security and life safety applications
- Patented security features including SquareBolt® latchbolts (Pat. no. 5,605,362) and delayed egress exit devices (Pat. no. 7,469,942).

**Aesthetics**

- Clean, modern, sleek design
- High-quality attractive architectural finishes deliver consistency & durability

## 7100(F) series

A conventional exit device for single swing doors or pairs of doors of metal, wood or composite construction.

## 7200 series

A narrow stile exit device compatible with the aesthetics and function requirements of contemporary doors of aluminum or metal construction.

## 7200M(F) series

A narrow appearance exit device designed for wide or flush stile doors of metal, wood or composite construction.

## contents

|  |       |
|--|-------|
| Introduction .....                     | 2-3   |
| Functions .....                        | 4-5   |
| 7100 Introduction & Applications.....  | 6-7   |
| SquareBolt® & Rim .....                | 8-9   |
| Surface Vertical Rod .....             | 10-11 |
| Concealed Vertical Rod .....           | 12-13 |
| Mortise .....                          | 14    |
| 7200 Introduction & Applications.....  | 15    |
| SquareBolt® .....                      | 16    |
| Rim .....                              | 17    |
| Surface Vertical Rod .....             | 18    |
| Concealed Vertical Rod .....           | 19    |
| 7200M Introduction & Applications..... | 20-21 |
| SquareBolt® .....                      | 22    |
| Rim .....                              | 23    |
| Surface Vertical Rod .....             | 24    |
| Concealed Vertical Rod .....           | 25    |
| Trim Designs for Escutcheons .....     | 26    |
| 7100 Series Trims .....                | 27-29 |
| 7200 & 7200M Series Trims .....        | 30-31 |
| SecureX® Electrified Options .....     | 32-35 |
| Alarms, Electric Trim & Monitoring     |       |
| Switches .....                         | 36-38 |
| SecureX® Accessories .....             | 39    |
| Electrified System Guides .....        | 40-41 |
| Cylinders .....                        | 42-45 |
| Strikes .....                          | 46-47 |
| Accessories/Options .....              | 47-49 |
| Mullions .....                         | 50-51 |
| Facts and Figures .....                | 52    |
| Sample Specification .....             | 53    |
| Ordering Information .....             | 54-55 |

## finishes

| ANSI/<br>BHMA<br>Code | Finish Description                                       | ANSI/<br>BHMA<br>Code | Finish Description  |
|-----------------------|--|-----------------------|---|
| 605                   | Bright Brass, Clear Coated                               | 620                   | Satin Nickel Plated, Blackened,<br>Satin Relieved, Clear Coated |
| 606                   | Satin Brass, Clear Coated                                | 625                   | Bright Chrome Plated (540F trim<br>only)                        |
| 609                   | Satin Brass, Blackened,<br>Satin Relieved, Clear Coated  | 626                   | Satin Chrome Plated<br>(trim only)                              |
| 611                   | Bright Bronze, Clear Coated                              | 629                   | Bright Stainless Steel  |
| 612                   | Satin Bronze, Clear Coated                               | 630                   | Satin Stainless Steel   |
| 613                   | Dark Oxidized Satin Bronze, Oil<br>Rubbed <sup>1</sup>   | 693                   | Black Painted   |
| 616                   | Satin Bronze, Blackened,<br>Satin Relieved, Clear Coated | 722                   | Black Oxidized Bronze, Oil<br>Rubbed <sup>2</sup>               |
| 619                   | Satin Nickel Plated, Clear<br>Coated                     |                       |   |

## Finishes For Touchbar Covers Only

|                 |                                |
|-----------------|--------------------------------|
| BN <sup>3</sup> | Semi-gloss black fused polymer |
| LUM             | Lumi-Lite® Photoluminescence   |
| SS              | Stainless Steel                |

1. New May 1, 2010
2. Formerly 613 prior to May 1, 2010
3. Standard for device accent parts and strikes

Finish available with MicroShield®  
antimicrobial coating, additional finishes  
by special application. Consult factory  
for availability.



## features

### squarebolt® exit device

A revolutionary security and safety exit device from Yale®, the **SquareBolt** patented design (Pat. no. 5,605,362) presents an improved physical barrier over standard rim latchbolts.

Available in wide stile, narrow stile, and narrow appearance designs, the **SquareBolt** exit device locks into place and stays there. Credit cards, crowbars, door rattling and shaking are resisted, significantly reducing the threat of unauthorized entry.

### electrified exit devices


The Yale 7000 series exit device offers a complete range of electrical options:

- Latch Pullback
- Electric Dogging
- Mortise Device Trim Control
- Touchbar Monitor or Signaling
- Outside Trim Monitor or Signaling
- Latchbolt Position Monitor or Signaling
- Delayed Egress (Pat. no 7,469,942)
- Electric Trim Control
- Exit Alarm

Continuity in appearance, security and functions with the 7000 Series mechanical exit devices is maintained.

7000 series electrified exit devices may be integrated into the security and alarm monitoring systems of most buildings.

### windstorm

Certified (refer to local  Hurricane codes). Specify suffix "WS" to 7150(F), 7170(F) or 7250M(F) devices.

### warranty

- Mechanical exit devices and heavy-duty trim carry a five-year limited warranty.
- Utility-duty trim carries a one-year limited warranty.
- Electrical options and components carry a two-year limited warranty.

### microshield®

7000 series exit devices and trim are available with **MicroShield**® antimicrobial coating. **MicroShield** is a revolutionary hardware finish coating, using a silver ion based technology, which inhibits the growth of bacteria, algae, yeast, fungus, mold and mildew. **MicroShield** is non-toxic and lasts for the lifetime of the finish to which it is applied. To order, suffix option code "YMS".

Note: **MicroShield** coating may vary finish color from architectural standards. **MicroShield** is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated products must still be cleaned to insure the surfaces will be free of destructive microbes. Yale makes no representations or warranties, express or implied, as to the efficacy of the **MicroShield** antimicrobial. A copy of the **MicroShield** warranty is available upon request.

### lumi-lite®

**Lumi-lite** uses photoluminescence technology to provide visibility of exit doors in low-light, no light or smokey conditions. **Lumi-lite** absorbs ambient lighting which is then emitted when the light source is diminished or eliminated. This patent pending feature is provided as an option for the touchpad cover for the 7000 series exit devices. To order with device, suffix option code "LUM".

The touchpad cover can also be ordered separately and easily retrofits to existing 7000 series exit devices in the field. See page 48 for how to order separately.

Touchpad cover comes standard with the word "EXIT" centered on the top half in approximately 1" high lettering.



### performance standards

UL - cUL Panic Exit Listing: Doors up to 4'0" x 10'0" (1.22m x 3.05m), single swing or pairs.

UL - cUL Fire Exit Label: Doors up to 4'0" x 10'0" (1.22m x 2.44m), single swing or pairs.

*\*UL does not set height limitations on panic devices.*

| Listing Agency                  | Listing Number                                     |                   |                          |                   |
|---------------------------------|--|-------------------|--------------------------|-------------------|
|                                 | Panic Exit Devices                                 | Fire Exit Devices | Windstorm Rated Assembly | Latching Hardware |
| Underwriters Laboratories, Inc. | (FVSR)   | (GXHX)            | (ZHXA)                   | (ZHEM)            |
| California Fire Marshal         | 4140-0257: 111                                     | 3725-0257: 112    |                          |                   |
| New York City                   | MEA: 477-91-E<br>MEA: 333-05-M                     |                   |                          |                   |
| B.H.M.A. (ANSI A156.3)          | Directory of Certified Exit Devices                |                   |                          |                   |
| B.H.M.A. (ANSI A156.24)         | Directory of Certified Delayed Egress Exit Devices |                   |                          |                   |

Note: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Yale Locks & Hardware 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.

### free-wheeling lever trim

All Yale exit device trims (except mortise trim) feature the unique Free-Wheeling lever mechanism, similar to our 5400LN cylindrical lock. This Free-Wheeling trim features a clutch mechanism which allows the lever to float down 60 degrees when operated in the locked condition, greatly improving vandal resistance.



## 7000 series | architectural exit devices



### rim

#### 7100(F)

The 7100(F) is a rim exit device to be used with single doors or pairs of doors constructed of metal, wood or composite materials. Designed for application in high-use areas, the 7100(F) comes in a variety of finishes and can be combined with a variety of trims to match any desired style.



### certification/compliance

UL/cUL Listed: FVSR/FVSR7 - Panic hardware  
GXHX/GXHX7 - Fire exit hardware (F)  
(4' x 8' single, 8' x 8' pairs, 3 hr.)

ANSI/BHMA Certified: A156.3 Type 1, Grade 1

### features

- Designed for wide stile doors
- 3/4" throw deadlocking stainless steel pullman latchbolt
- Electroplated ferrous components provide corrosion resistance
- Available in double cylinder function (handing must be specified)

### applications

- Non-handed for easy installation
- Single swing doors
- Pairs of doors with removable mullions
- Metal, wood or composite door materials

### specifications

|                      |  |
|----------------------|--|
| Door Opening Width:  | -24 for 24" (60cm) doors<br>-36 for 30" - 36" (76cm - 91cm) doors<br>-48 for 36" - 48" (91cm - 122cm) doors<br>Optional sizes can be special ordered. Consult Technical Product Support. |
| Door Thickness:      | 1-3/4" (44mm) standard. Optional door thicknesses available to 4-1/2"; specify door thickness when ordering.   |
| Minimum Stile Width: | 4-1/2" (114mm)   |
| Projection:          | 3-1/4" (83mm) active, 2-3/4" (70mm) dogged   |
| Latchbolt:           | 3/4" (19mm) deadlocking stainless steel pullman-type   |
| Strike:              | 757F, 793 optional (double door application, panic only)   |
| Fasteners:           | Machine screws and wood door fasteners standard for panic hardware. Sex nuts and bolts supplied standard for fire exit hardware.   |
| Trims:               | 620F series escutcheon trim, 630F series pull/thumbpiece trim, 680F series offset pull trim, 540F series rose trim, 121NL cylinder only. See pages 27-29.                                |
| Dogging:             | Hex key dogging supplied standard on panic devices   |
| Options:             | Cylinder dogging, shim kit #723, sex nuts and bolts, MicroShield®, Lumi-Lite®  |
| Warranty:            | 5-year limited   |

## 7000 series | architectural exit devices



### rim

#### 7200

The 7200 is a narrow stile rim exit device compatible with the aesthetics and functional requirements of contemporary doors. The 7200 comes in varied finishes and can be combined with a variety of trims to match any desired style.



### certification/compliance

UL/cUL Listed: FVSR/FVSR7 - Panic hardware

ANSI/BHMA Certified: A156.3, Type 4, Grade 1



### features

- Designed for narrow stile doors
- 3/4" throw deadlocking stainless steel pullman latch
- Non-handed for easy installation

### applications

- Single swing narrow stile doors
- Pairs of narrow stile doors with removable mullions
- Metal and aluminum doors
- For panic-rated doors only

### specifications


|                      |  |
|----------------------|--|
| Door Opening Width:  | -24 for 24" (60cm) doors<br>-36 for 30" - 36" (76cm - 91cm) doors<br>-48 for 36" - 48" (91cm - 122cm) doors<br>Optional sizes can be special ordered. Consult Technical Product Support. |
| Door Thickness:      | 1-3/4" (44mm) standard. 2" (51mm) and 2-1/4" (57mm); specify when ordering.  |
| Minimum Stile Width: | 2" (51mm)  |
| Projection:          | 3-1/4" (83mm) active, 2-3/4" (70mm) dogged   |
| Latchbolt:           | 3/4" (19mm) deadlocking stainless steel pullman type.  |
| Strike:              | Standard: 759. Optional: 793 (double door applications, panic only)  |
| Fasteners:           | Machine screws standard for panic hardware   |
| Trims:               | 500F series escutcheon trim, 510F series pull/thumbpiece trim, 480F series offset pull trim. See pages 30-31.  |
| Dogging:             | Hex key dogging supplied standard  |
| Options:             | Cylinder dogging, shim kit #723NS, sex nuts and bolts, MicroShield®, Lumi-Lite®  |
| Warranty:            | 5-year limited   |


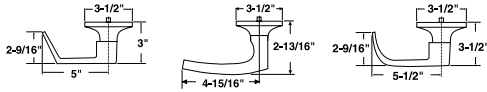
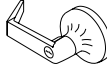
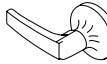



## 7000 series | architectural exit devices

### 7100 series trims

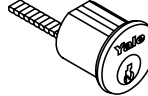
#### 540F series rose trim

- Certified ANSI/BHMA A156.3, Grade 1. 
- 540F rose trim for stock doors (161 Prep).
- Trim through-bolts to exit device for strength.
- 1-3/4" (44mm) door standard. For doors through 2-1/4" (57mm) or shim-mounted devices, specify on order.
- AU, PB and MO trim designs. See below.
- Accepts cylindrical type cylinders. Cylinders included, see page 43 for cylinder options.
- Finishes: 605, 606, 609, 612, 613, 616, 619, 620, 625, 626, 693, 722
- "B" trim prefix - Lever trim accepting all small format interchangeable cores. 6- or 7-pin (Example: B-AU546F)
- "M" trim prefix - Lever trim accepting Medeco® (32 series) and ASSA® large format interchangeable cores. Available in AU lever only. 6-pin only. (Example: M-AU546F)
- "S" trim prefix - Lever trim accepting Schlage® standard cylinders. 6-pin only. (Example: S-AU546F)
- "SI" trim prefix - Lever trim accepting Schlage® large format interchangeable cores. 6-pin only. (Example: SI-AU546F)
- 3-year limited warranty.

|  |   |                                   |               |                                |                        |
|---|---|-----------------------------------|---------------|--------------------------------|------------------------|
|   |  <b>AU</b>  <b>MO</b>  <b>PB</b> |                                   |               |                                |                        |
| Applications  | Nightlatch Access by Key  | Classroom Cylinder Controls Lever | Passage Lever | Dummy Trim Free-Wheeling Lever | Dummy Trim Rigid Lever |
| 7100(F), 7150(F), 7110(F), 7120(F), 7160(F), 7170(F)                              | 541F  | 546F                              | 548F          | 548F                           | 549F                   |
| ANSI  | 03  | 08                                | 14            | 02                             | 02                     |

#### 121NL cylinder only

- Application: 7100(F) and 7150(F) rim and SquareBolt® exit devices. Not recommended for surface or concealed vertical rod devices.
- Must specify rim cylinder when ordering. See page 42 for cylinder options.
- Cylinder collar 1765.250 furnished standard for 1-3/4" thick doors.
- For 1109, 5109, K300, K640, A640 and 2109 cylinders:
  - Screw part number 34-2311-8738-048
  - Backplate part number 34-0010-1015-059
- For 1193, 5193 and K840 cylinders:
  - Screw part number 10-1193-1018-048
  - Backplate part number 34-0010-1015-059

|  |                          |
|--|--------------------------|
| Function Description   | Nightlatch Access by Key |
| Model No.  | 121NL                    |
| ANSI   | 03                       |



## 7000 series | architectural exit devices

### ordering information

From this outline select the Model Number for the Yale® 7000 Exit Device Series you require.

| 7 | X   | X  | X  | Mechanical/Electrical   | Size   | Design                                     | Trim                     | Finish            | Other Info.   |
|---|---|--|--|---|--|--|--------------------------|-------------------|---|
|   | <b>Second Digit:</b><br>"1" -Standard device, 4-1/2" (114mm) or wider door stile.<br><br>"2" -Narrow stile door or narrow escutcheon trim (500F, 510F Series) | <b>Third Digit:</b><br>"0" -Rim Device, Pullman Latch<br><br>"1" -SVR Device up to 8'<br><br>"2" -CVR Device, Metal Doors up to 8'<br><br>"3" -Mortise Device<br><br>"5" SquareBolt®, Rim Security<br><br>"6" -CVR Device over 8', wood door or LBR<br><br>"7" - SVR Device over 8' or LBR | <b>Fourth Digit:</b><br>"0" - Standard<br><br>"5" - Cylinder Dogging (Not with suffix "F") | <b>Mechanical Feature</b><br>"F" - Fire Exit Device<br>"M" - Narrow escutcheon Trim in 4-1/2" (114mm) or wider door stile<br>"LBR" - Less Bottom Rod (Note 2)<br>"K5" - Mortise Device, EO or Entry by Key with/ without Rigid Knob.<br>"K8" - Mortise Device, Entry by Knob<br>"L5" - Mortise Device, Entry by Key with/ without Rigid Lever (Note 1)<br>"L8" - Mortise Device, Entry by Lever<br>"T5" - Mortise Device with Thumbpiece Trim<br>"T8" - Mortise Device, Active Thumbpiece Trim<br>"2" - Double Cylinder Device (Note 3)<br>"WS" - Windstorm Certified Products (Note 5, 6, 7)<br><b>Electrical Feature</b><br>"A" - Alarm Kit<br>"B" - Bar Monitor or Signaling<br>"D" - Delayed Egress<br>"G" - Electric Dogging<br>"H" - Security Package (DPS)<br>"O" - Outside Trim Monitor or Signaling<br>"P" - Latch Pullback<br>"S" - Latchbolt Status Monitor or Signaling<br>"Safe" - Mortise Device Trim Control (lever only)<br>"Secure" - Mortise Device Trim Control (lever only) | <b>Size:</b><br>DOW = Door Opening Width<br><br>"36" - 30" to 36" DOW<br><br>"48" - 36" to 48" DOW<br><br>"24" - 24" DOW<br><br><b>Door Height:</b><br>-8 = 8' (2.44m)<br>-9 = 9' (2.74m)<br>-10 = 10' (3.05m) | <b>Trim Design</b><br>(Lever or knob only) | <b>Trim Model Number</b> | <b>See Page 2</b> | <b>Other Information:</b><br><b>Door Hand</b> - RHR or LHR<br><br><b>Door Thickness</b> - Over 1-3/4" (45mm)<br><br><b>Fastener Options</b><br>- TORX® Security Screws<br>SNB (wood, composite, or unreinforced metal doors)<br><br><b>Specialty Cylinders &amp; Components</b> |

It is recommended that exit devices and trim for the same opening be ordered together. Standard product is for 1-3/4" (44mm) reinforced metal doors. Accessories detached from the device and trim should be specified separately. Materials by others are required to be fit for the purpose as detailed in this catalog and the product installation literature.

**Notes:**

1. Required for electrical feature, Suffix "-SAFE" or "-SECURE".
2. LBR available on 7160(F90) and 7170(F90) devices only.
3. For double cylinder devices, suffix "-2" after fourth digit.
4. If "-24" device is to be used with a DOW greater than 24", the device will ship without UL label. The 12" touchpad will not cover 50% of the device touchbar length.
5. "WS" applies only to 7150(F), 7250M(F) and 7170(F) devices.
6. Maximum opening size 8'0" x 8'0".
7. Contact Ceco, Curries® or Fleming for detailed frame/door requirements and limitations.



# 8800 Series

Grade 1 Mortise Locks

An ASSA ABLOY Group brand

**ASSA ABLOY**



Panda Express  
Proto 2018

Submittal Date: 06/13/18



## never compromise

The value of any product is equal to the quality of the labor and materials put into making it. And the Yale® 8800 series mortise lock is a perfect example that true quality doesn't just happen. Meticulous design and engineering have gone into manufacturing a mortise lock that brings you versatility as well as uncompromising strength and durability.

With quick lever handing and a quick reversible latchbolt, lockset handing takes only seconds. Add a standard non-handed curved lip strike, and you have a no-hassle mortise lock that's quick and easy to install.

When it comes to strength, the Yale® 8800 series brings a new measure of security to the door. Its 1" throw stainless steel deadbolt extends further back into the reinforced steel case when in the locked position, providing added stability and resistance to abuse. Solid trim packages also provide deterrence to vandalism, making the 8800 series a prime player in your total opening security package.

For over 160 years, Yale Locks and Hardware has built a reputation on manufacturing products that exceed expectations of quality and reliability. The Yale 8800 series mortise lock is no exception, and to demonstrate that quality proves itself, we back it with a 10-year mechanical warranty.

We won't compromise, and neither should you.

### 8800

The Yale 8800 series mortise lock is an industry standard product. Suitable for installation on doors 1-3/4" to 3-1/4" thick with standard trims, these products have a 1" throw stainless steel deadbolt. The latchbolt is 3/4" throw with stainless steel two-piece anti-friction camming action.

### finishes

The Yale 8800 series mortise lock is available in the trim finishes as listed. All knobs, lever handles, roses, escutcheons, cylinder collars and other exposed parts are fabricated of either brass, bronze, stainless steel or zinc and will be compatible with the finish ordered. When ordering, specify the finish required by the ANSI/BHMA Code Number only. When locksets are ordered with different trim finishes on each side, specify the outside finish first, i.e. COR8817-2 x 612 x 625. The front and strike finish will match the inside finish unless specified otherwise.

### camden escutcheon

8800 series locks with escutcheon trim are provided standard with the Camden (CN) escutcheon. This zinc die cast escutcheon features one-piece casting for superior strength. Locks with this escutcheon are ANSI/BHMA certified operational and security Grade 1 and will retrofit to existing Yale escutcheon preps. The aesthetics of the CN escutcheon provide a design continuum with Yale exit device trim for a consistent look throughout the facility.

### windstorm

Certified (refer to local codes).





Hurricane

### warranty

Yale 8800 series mechanical mortise locks carry a ten (10) year warranty and 8800 series electrified mortise locks carry a two (2) year warranty.

### contents

|  |       |
|--|-------|
| Introduction . . . . .                     | 2     |
| Finishes . . . . .                         | 2     |
| Features . . . . .                         | 3     |
| SL8800 . . . . .                           | 4     |
| Facts and Figures . . . . .                | 5     |
| Standard Lever Trim Installation . . . . . | 5     |
| Standard Lever Trim . . . . .              | 6-9   |
| 8800RL Reflections® Trim . . . . .         | 10-11 |
| Knob Trim . . . . .                        | 12-13 |
| Lockset Functions . . . . .                | 14-23 |
| SecureX® Electrified . . . . .             | 24-26 |
| SecureX® Electrified Accessories . . . . . | 27    |
| Cylinders . . . . .                        | 28-30 |
| Cylinder Collars . . . . .                 | 31-37 |
| Strikes . . . . .                          | 38    |
| Miscellaneous . . . . .                    | 39    |
| Occupancy Indicators . . . . .             | 40    |
| How to Order . . . . .                     | 41    |
| Handing . . . . .                          | 42    |

| ANSI/<br>BHMA<br>Code | Finish Description  |
|-----------------------|---|
| 605                   | Bright Brass, Clear Coated  |
| 606                   | Satin Brass, Clear Coated   |
| 609                   | Satin Brass, Blackened,<br>Satin Relieved, Clear Coated   |
| 611                   | Bright Bronze, Clear Coated   |
| 612                   | Satin Bronze, Clear Coated  |
| 613                   | Dark Oxidized Satin Bronze,<br>Oil Rubbed <sup>1</sup>  |
| 616                   | Satin Bronze, Blackened, and<br>Satin Relieved, Clear Coated  |
| 618                   | Bright Nickel Plated, Clear Coated  |
| 619                   | Satin Nickel Plated, Clear Coated   |
| 620                   | Satin Nickel Plated, Blackened,<br>Satin Relieved, Clear Coated   |
| 625                   | Bright Chrome Plated  |
| 626                   | Satin Chrome Plated    |
| 629                   | Bright Stainless Steel  |
| 630                   | Satin Stainless Steel  |
| 693                   | Black Painted   |
| 722                   | Black Oxidized Bronze, Oil Rubbed <sup>2</sup>  |

1. New May 1, 2010

2. Formerly 613 prior to May 1, 2010



Finish available with MicroShield® antimicrobial coating, additional finishes by special application. Consult factory for availability.



## features

### A.D.A.

The 8800FL meets accessibility guidelines of the Americans with Disabilities Act and the requirements of the Uniform Federal Accessibility standards and ANSI 117.1, all requiring ease of accessibility for the handicapped.

### ANSI/BHMA

Certified ANSI/BHMA A156.13, Series 1000, Operational Grade 1 (8800FL with CN escutcheon & SL8800 meet Security Grade 1).



### bevel front

Yale 8800 series fronts are free-floating to adjust from flat to the standard bevel of 1/8" in 2".

### door thickness

8800 series mortise locks are supplied as standard for 1-3/4" thick doors. For other than standard, specify the door thickness on the order: (i.e. 2", 2-1/4", etc.)

### installations

8800 series mortise locks conform to ANSI/BHMA Specifications A156.115 which cover hardware preparations for steel doors and steel frames and A156.115-W which cover hardware preparations for wood doors with wood or steel frames.

### microshield®

8800 series locks are available with MicroShield® antimicrobial coating. MicroShield is a revolutionary hardware finish coating, using a silver ion based technology, which inhibits the growth of bacteria, algae, yeast, fungus, mold and mildew. MicroShield is non-toxic and lasts for the lifetime of the finish to which it is applied. To order, suffix option code "YMS".



Note: MicroShield® coating may vary finish color from architectural standards. MicroShield is not intended as a substitute for traditional infection control programs such as hand hygiene or use of disinfectants. Coated product must still be cleaned to insure the surfaces will be free of destructive microbes. Yale Locks & Hardware makes no representations or warranties, express or implied, as to the efficacy of the MicroShield antimicrobial.

### ISO 9001

Designed and manufactured under a certified ISO 9001 quality system.

### knurled designs

Where required by the local authority, trim can be knurled to be identifiable to the touch for blind persons. All knob designs except CA may be ordered knurled; all lever designs except designer trim and Reflections® trim (pages 9 & 11) may be ordered knurled.

Only the outside knob or lever will be knurled or abrasive coated unless specified otherwise. To order a complete lockset knurled or abrasive coated, suffix the lockset model number with "Knurled" or "Abrasive Coated," i.e. LF x CN8807 x "Knurled," LF x CN8817-2 x "Knurled Inside Only," AU x CN8828FL "Abrasive Coated."

### lead shielding

All Yale 8800 series mortise locks are available with a lead shield for installation in lead-lined doors. To order, suffix the lockset model number with "lead-lined."

### quick reversibility

Yale mortise locks with the same trim on both sides (knob x knob or lever x lever) are field reversible. These locks can be converted to accommodate the hand of the door. However, to reduce installation costs, it is recommended that the hand of the door be specified for each lockset ordered. If the hand of the door is not specified, RH will be furnished.

### underwriters laboratories

(UL - cUL)

Yale 8800 series mortise locks have been listed by Underwriters Laboratories Inc. for use on fire doors having a rating up to and including 3 hours and for use on 20 minute wood doors. This pertains to single swing doors not exceeding 4 feet in width and 8 feet in height and in doors mounted in pairs not exceeding 8 feet in either direction (unless otherwise noted in the individual listings.)

In general, single-point mortise locks or latches with 3/4" minimum latch throw are intended for the active leaf of doors mounted in pairs, with the inactive leaf provided with top and bottom flush or surface bolts of the manual, automatic, or self-latching type. The door Classification Marking specifies the minimum latch throw required for the individual door.

Yale 8800 series mortise locks with 3/4" throw latchbolts may also be used on single swing doors rated 1-1/2 hours or less, up to 4 feet in width and 9 feet in height. This is in addition to the rating mentioned above. All Yale 8800 Series Mortise Locks with Lever Handle Trim are UL listed for fire door applications. Underwriters Laboratories does not list locks with rabbeted fronts, locks with deadbolt only, or locks with hold-back feature on the latchbolt.

Note: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Yale Locks & Hardware 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.



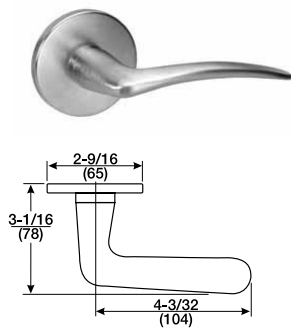
8800 series | grade 1 mortise locks

## standard lever trim

### Arcadia - ARR

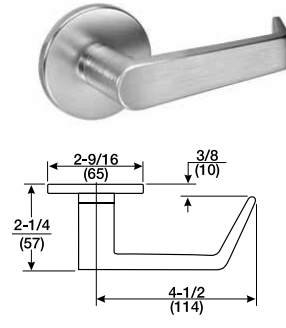
|                                |                 |
|--------------------------------|-----------------|
| AR Lever Handle <sup>3</sup> : | Cast            |
| CO Rose <sup>1</sup> :         | Stamped         |
| Cylinder Collar:               | See pages 32-33 |

1. Available with Reflections® roses. See page 11 for options.



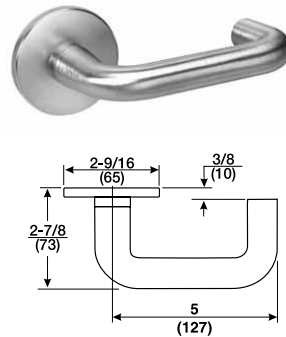
### Augusta - AUR

|                        |                 |
|------------------------|-----------------|
| AU Lever Handle:       | Cast            |
| CO Rose <sup>1</sup> : | Stamped         |
| Cylinder Collar:       | See pages 32-33 |



### Carmel - CRR

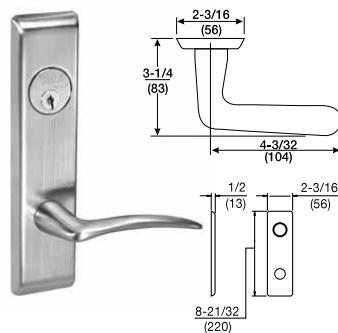
|                        |                 |
|------------------------|-----------------|
| CR Lever Handle:       | Cast            |
| CO Rose <sup>1</sup> : | Stamped         |
| Cylinder Collar:       | See pages 32-33 |



### Arcadia - AR x CN

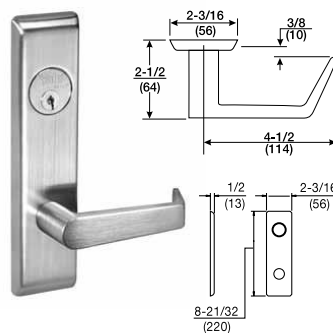
|                                |                 |
|--------------------------------|-----------------|
| AR Lever Handle <sup>3</sup> : | Cast            |
| CN Escutcheon <sup>2</sup> :   | Cast            |
| Cylinder Collar:               | See pages 34-37 |

2. Available with Reflections® escutcheons. See page 11 for options.  
3. Indicates levers that are handed.



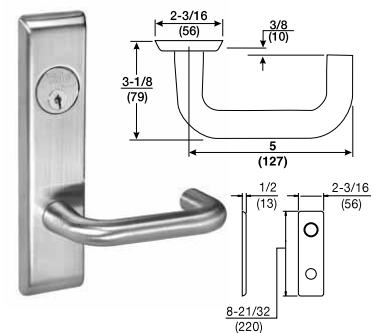
### Augusta - AU x CN

|                              |                 |
|------------------------------|-----------------|
| AU Lever Handle:             | Cast            |
| CN Escutcheon <sup>2</sup> : | Cast            |
| Cylinder Collar:             | See pages 34-37 |



### Carmel - CR x CN

|                              |                 |
|------------------------------|-----------------|
| CR Lever Handle:             | Cast            |
| CN Escutcheon <sup>2</sup> : | Cast            |
| Cylinder Collar:             | See pages 34-37 |





## mechanical functions and descriptions

| Mechanical Functions (ANSI)                     | Description / Model Numbers   | Armor Front Part Number | *Cylinder       | *Cam     | Escutcheon Plate Spacing Numbers |        | Spindles |               | Illustration |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
|---|---|-------------------------|-----------------|----------|----------------------------------|--------|----------|---------------|--------------|----------|----------|------|--------|----------|------|--------------|---|----------|------|------------------|--------------|------|--------|------|-------|------------------|---|---|--|-----|-------|-------|--|
|   |   |                         |                 |          | Outside                          | Inside | Knobs    | Levers (Std.) |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| 8801<br><br>Passage or closet latch (F01)       | <ul style="list-style-type: none"><li>For doors that do not require locking.</li><li>Latchbolt retracted by knob/lever either side at all times.</li></ul> <table><tr><th rowspan="2">Trim</th><th colspan="2">Model Numbers</th><th rowspan="2">Latchbolt Throw</th></tr><tr><th>Knobs</th><th>Levers</th></tr><tr><td>Standard</td><td>8801</td><td>8801FL</td><td>3/4"</td></tr><tr><td>SL</td><td>—</td><td>SL8801FL</td><td>3/4"</td></tr><tr><td>Reflections®</td><td>—</td><td>8801RL</td><td>3/4"</td></tr></table>   | Trim                    | Model Numbers   |          | Latchbolt Throw                  | Knobs  | Levers   | Standard      | 8801         | 8801FL   | 3/4"     | SL   | —      | SL8801FL | 3/4" | Reflections® | — | 8801RL   | 3/4" | 50-8801-x019-FIN | —            | —    | 201    | 201  | 1178L | 1178L            |   |   |  |     |       |       |  |
| Trim  | Model Numbers   |                         | Latchbolt Throw |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
|   | Knobs   | Levers                  |                 |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| Standard  | 8801  | 8801FL                  | 3/4"            |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| SL  | —   | SL8801FL                | 3/4"            |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| Reflections®                                    | —   | 8801RL                  | 3/4"            |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| 8802<br><br>Privacy, bedroom or bath lock (F19) | <ul style="list-style-type: none"><li>Latchbolt retracted by knob/lever either side.</li><li>Deadbolt operated by thumbturn inside.</li><li>When the deadbolt is projected, outside knob/lever is automatically locked.</li><li>Anti-panic operation. Operating inside knob/lever retracts the latchbolt and deadbolt simultaneously, automatically unlocking outside knob/lever.</li><li>In emergency, deadbolt may be unlocked from outside by E203 emergency key, supplied.</li></ul> <table><tr><th rowspan="2">Trim</th><th colspan="2">Model Numbers</th><th colspan="2">Throw</th></tr><tr><th>Knobs</th><th>Levers</th><th>Latchbolt</th><th>Deadbolt</th></tr><tr><td>Standard</td><td>8802</td><td>8802FL</td><td>3/4"</td><td>1"</td></tr><tr><td>SL</td><td>—</td><td>SL8802FL</td><td>3/4"</td><td>1"</td></tr><tr><td>Reflections®</td><td>—</td><td>8802RL</td><td>3/4"</td><td>1"</td></tr></table> | Trim                    | Model Numbers   |          | Throw                            |        | Knobs    | Levers        | Latchbolt    | Deadbolt | Standard | 8802 | 8802FL | 3/4"     | 1"   | SL           | — | SL8802FL | 3/4" | 1"               | Reflections® | —    | 8802RL | 3/4" | 1"    | 50-8802-x019-FIN | — | — | 211<br><br>(261 for Occupancy Indicator) | 211 | 1178L | 1178L |  |
| Trim  | Model Numbers   |                         | Throw           |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
|   | Knobs   | Levers                  | Latchbolt       | Deadbolt |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| Standard  | 8802  | 8802FL                  | 3/4"            | 1"       |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| SL  | —   | SL8802FL                | 3/4"            | 1"       |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| Reflections®                                    | —   | 8802RL                  | 3/4"            | 1"       |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| 8805<br><br>Storeroom or closet lock (F07)      | <ul style="list-style-type: none"><li>For use on storeroom, utility, exit doors.</li><li>Latchbolt retracted by key outside, knob/lever inside.</li><li>Outside knob/lever rigid at all times.</li><li>Inside knob/lever always active.</li><li>Deadlocking latchbolt.</li></ul> <table><tr><th rowspan="2">Trim</th><th colspan="2">Model Numbers</th><th rowspan="2">Latchbolt Throw</th></tr><tr><th>Knobs</th><th>Levers</th></tr><tr><td>Standard</td><td>8805</td><td>8805FL</td><td>3/4"</td></tr><tr><td>SL</td><td>—</td><td>SL8805FL</td><td>3/4"</td></tr><tr><td>Reflections®</td><td>—</td><td>8805RL</td><td>3/4"</td></tr></table>   | Trim                    | Model Numbers   |          | Latchbolt Throw                  | Knobs  | Levers   | Standard      | 8805         | 8805FL   | 3/4"     | SL   | —      | SL8805FL | 3/4" | Reflections® | — | 8805RL   | 3/4" | 50-8805-x019-FIN | 2153         | 2160 | 208    | 201  | 1178L | 1178L            |   |   |  |     |       |       |  |
| Trim  | Model Numbers   |                         | Latchbolt Throw |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
|   | Knobs   | Levers                  |                 |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| Standard  | 8805  | 8805FL                  | 3/4"            |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| SL  | —   | SL8805FL                | 3/4"            |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| Reflections®                                    | —   | 8805RL                  | 3/4"            |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| 8807<br><br>Entry lock (F04)                    | <ul style="list-style-type: none"><li>For office doors where locking is required.</li><li>Latchbolt retracted by knob/lever either side, except when outside knob/lever is locked by stopwork activator.</li><li>When outside knob/lever is locked, latchbolt is operated by key outside and knob/lever inside.</li><li>Deadlocking latchbolt.</li></ul> <table><tr><th rowspan="2">Trim</th><th colspan="2">Model Numbers</th><th rowspan="2">Latchbolt Throw</th></tr><tr><th>Knobs</th><th>Levers</th></tr><tr><td>Standard</td><td>8807</td><td>8807FL</td><td>3/4"</td></tr><tr><td>SL</td><td>—</td><td>SL8807FL</td><td>3/4"</td></tr><tr><td>Reflections®</td><td>—</td><td>8807RL</td><td>3/4"</td></tr></table>   | Trim                    | Model Numbers   |          | Latchbolt Throw                  | Knobs  | Levers   | Standard      | 8807         | 8807FL   | 3/4"     | SL   | —      | SL8807FL | 3/4" | Reflections® | — | 8807RL   | 3/4" | 50-8807-x019-FIN | 2153         | 2160 | 208    | 201  | 1178L | 1178L            |   |   |  |     |       |       |  |
| Trim  | Model Numbers   |                         | Latchbolt Throw |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
|   | Knobs   | Levers                  |                 |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| Standard  | 8807  | 8807FL                  | 3/4"            |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| SL  | —   | SL8807FL                | 3/4"            |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |
| Reflections®                                    | —   | 8807RL                  | 3/4"            |          |                                  |        |          |               |              |          |          |      |        |          |      |              |   |          |      |                  |              |      |        |      |       |                  |   |   |  |     |       |       |  |

\*Standard cylinder and cam indicated. For optional cylinders, see pages 28-30.



## miscellaneous

### rabbeted door kits

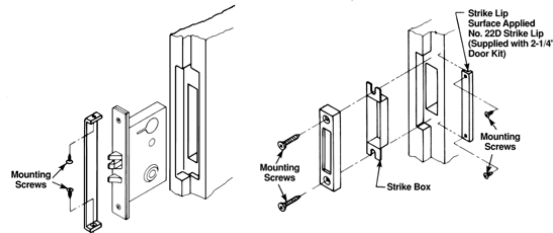
The Yale® 8800 series mortise lock can be installed on a pair of doors with a standard 1/2" (13mm) step rabbet. Kits are available which adapt these locks to the rabbeted doors. These kits contain a 1/2" (13mm) standard step rabbet strip for the active door, a strike, a strike box, and, depending on the door thickness, a strike lip. They are available for doors 1-3/4" (44mm), 2" (51mm) and 2-1/4" (57mm) thick. All components of these kits are reversible.

To order a complete Yale mortise lock with a Rabbet Door Kit, suffix the lock model number with a Rabbeted Door by door thickness, hand and finish required, i.e. AU8807 x Rabbeted Door x 1-3/4" x RH x 626.

Kits for rabbeted doors can be ordered by model number separately from the accompanying chart. When ordered separately, specify the finish required.

| Door Thickness | Rabbeted Door Kit Model No. | Strike Model No. |
|----------------|-----------------------------|------------------|
| 1-3/4"<br>2"   | RK245                       | 22E              |

These kits contain the above components plus a No. 22D strike lip with attaching screws for doors above 2".



### miscellaneous trim design

#### GF1824 Thumbturn and Round Plate

Supplied as standard on all locks with round rose sectional trim or lock functions with no roses.

**Thumbturn:** Cast Zinc.

**Plate:** 1-7/8" (48mm) Diameter, Brass, Bronze, Simulated Stainless Steel.

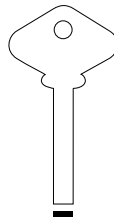
GF1826-Plate Only  
- Used for outside of 8802 Privacy Lock.



### emergency key

#### E203

Used with 8802 privacy lock and 8862 bathroom lock for emergency access from outside.



### attaching screws

#### GF1824 and GF1826

No. 6 x 3/8" (10mm) type "AB", Oval Phillips Head sheet metal screw, stainless steel plated to match trim (P/N 81-3173-0308). Specify finish required.



## occupancy indicators

### privacy function indicator

This indicator can be ordered as an option with the 8802 (privacy) and 8862 (bathroom) functions. Available for all lever and knob trim designs.

The privacy occupancy indicator can be ordered with locksets by specifying IND as an option. It can be ordered separately as a retrofit kit for sectional trim by specifying model number IND-K and required finish and for escutcheon trim by specifying CN88 x 261 x finish (available for CN escutcheon only).

When specifying option IND, the lockset will be provided with an indicator that shows the room is either occupied (OCC) when deadbolt is thrown or vacant (VAC) when deadbolt is retracted.



**Deadbolt Retracted  
"Vacant"**



**Deadbolt Thrown  
"Occupied"**

### cylinder function indicator

The cylinder indicator is standard with the 8820 (hotel guest), 8827(hotel/motel), and 8864 (bathroom) functions and can be ordered as an option with 8832 (hotel/motel), 8822 (dormitory) and 8818-2 (classroom security intruder) functions. Available for all lever and knob trim designs. Note: Cylinder indicator is not available for use with R1, R2, R3, R4, or R5 roses.

The cylinder occupancy indicator can be ordered with locksets by specifying IND as an option. It can be ordered separately as a retrofit kit for sectional trim by specifying model number CIND-K and required finish and for escutcheon trim by specifying CN88 x 260 x finish (without cointurn) or CN88 x 262 x finish (with cointurn). When ordered separately, cylinder not included (available for CN escutcheon only).



**Thumbturn Retracted  
"Vacant"**



**Thumbturn Thrown  
"Occupied"**